



Demand Management with BrightWork

Training Guide

Contents

1	Introduction.....	4
1.1	Demand Management with BrightWork.....	4
1.2	High-Level Process Overview	5
1.3	Prerequisites	5
1.4	Getting In	5
2	Loosely Structured: Project Request Tracker	6
2.1	Scenario	6
2.2	Add Request List to Project Office	7
2.3	Review Existing Requests	9
2.4	Create a Request.....	10
2.5	Assess a Request	12
2.6	View Version History.....	14
3	Semi-Structured Approach: Project Request Manager.....	16
3.1	Scenario	16
3.2	Create Request Manager Site	16
3.3	Understand Project Request Manager Elements.....	18
3.4	Review and Create Goals	18
3.5	Request a New Project.....	19
3.5.1	Upload Project Documents.....	19
3.5.2	Create and Submit Request	21
3.6	Assess a Request	23
3.7	Examine Reports	26
4	Semi-Structured Approach: Customize Workflow Email	27
4.1	Set-Up for SharePoint Designer	27
4.1.1	Download and Install SharePoint Designer 2010.....	27
4.1.2	Enable Basic Authentication for Microsoft Office.....	27
4.2	Configure Workflow	28
5	Fully Structured Approach: Project Forecast Manager	33
5.1	Scenario	33
5.2	Similarities to Project Request Manager.....	34
5.3	Extra Demand Management: Resource Planning.....	34
5.3.1	Resource Estimates.....	35
5.3.2	Resource Pool	35
5.3.3	Resource Reports.....	36

6	Portfolio Management: What-if Forecasting	37
6.1	Scenarios	37
6.1.1	Portfolio with Placeholder Project Sites	37
6.1.2	Portfolio with Forecast Manager	38
7	Summary and Next Steps	39
7.1	Summary	39
7.2	Next Steps	39
7.3	Feedback	39

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1 Introduction

The industry term for the management of potential, as well as existing projects, is Project Portfolio Management (PPM). In this training guide we will focus on one aspect of PPM: Demand Management.

Demand Management is the process used to determine which of the projects being requested should be initiated.

Many organizations want to introduce processes to help determine which incoming projects get approved and which do not. To do this, organizations need to establish criteria to allow comparisons between requested projects. For example: alignment to business goals; cost/benefit ratios; optimal use of capacity; change management implications; ability to execute; and so on.

This guide will explore some of the Demand Management options available in BrightWork.

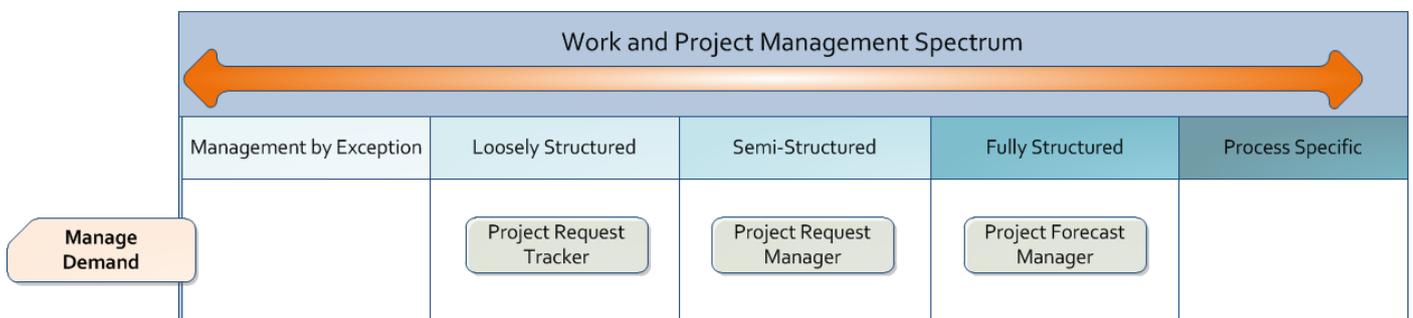
1.1 Demand Management with BrightWork

Organizations need a process that allows requests for new projects be submitted, reviewed and accepted or rejected. BrightWork includes three approaches of varying complexity; these approaches are situated below on the Work and Project Management Spectrum.

Each of the subsequent chapters in this guide is devoted to a specific approach. All approaches can be easily configured to fit local needs and requirements.

The approaches and their associated chapters are:

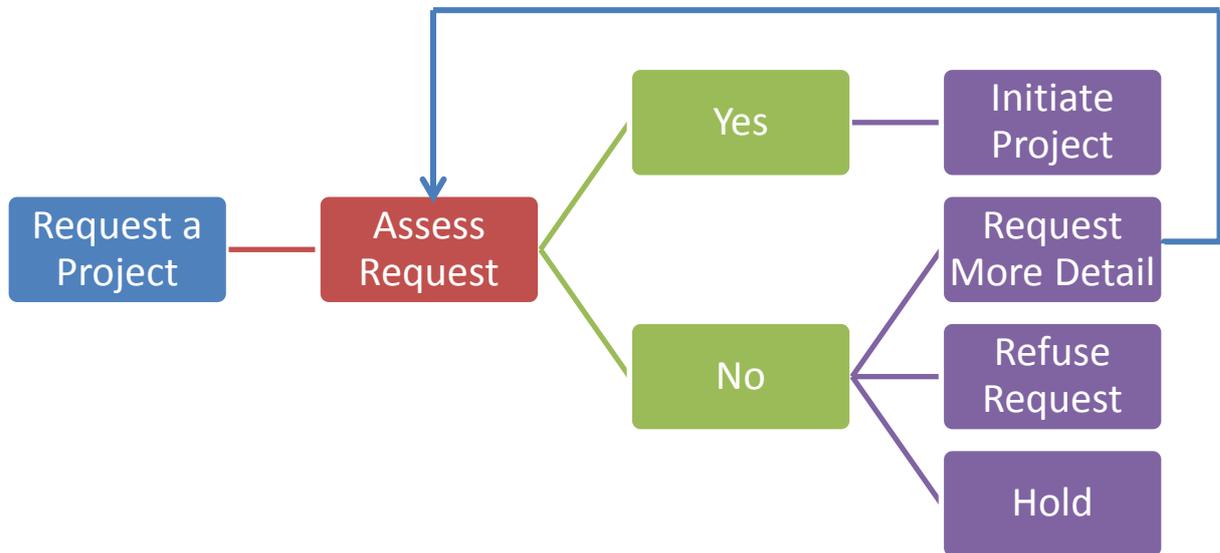
- Chapter 2: Loosely Structured: **Project Request Tracker**
- Chapters 3 and 4: Semi-Structured: **Project Request Manager**
- Chapter 5: Fully Structured: **Project Forecast Manager**



- Chapter 6 describes another approach: **Portfolio Management: What-if Forecasting**

1.2 High-Level Process Overview

Common to all of the process approaches described in this guide is the idea that organizations desire that projects must be evaluated and approved before going ahead.



1.3 Prerequisites

It is assumed that you have already completed at least one of the BrightWork Project Manager training guides available in the TrainingZone and, as a result, that you have a Project Office site created in the BrightWork TrainingZone to do these exercises in.

1.4 Getting In

For this training, you are logging in as Alex Hankin. This fictional person has the same level of access that a site owner would have in a typical BrightWork environment.

We have adapted the standard Project Requests area in TrainingZone for this training. To access this Project Requests area, use the details below:

- **URL:** <http://sp2010.brightworkdemo.com/sites/trainingzone/training>
- **User Name:** bw\ahankin
- **Password:** BrightWork2011

2 Loosely Structured: Project Request Tracker

This is the simplest approach and involves tracking project requests in a single list. The Project Request Tracker provides a simple and transparent approach to managing project requests. It facilitates the capture of key data about requested projects and allows this information to be sent for review and approval/rejection.

2.1 Scenario

Your organization is getting requests for projects all the time. Some are small, some are large. You need to track these requests in a single place, decide which are important enough to initiate, which should be put on hold for now, and which should be rejected.

The criteria for deciding is relatively straight forward, you check the requests against business goals, get high level estimates of effort and cost (if available) and set indicators for cost/benefit and risks. Then using this information you determine the priority of project requests.

The approach we recommend for such a scenario is the Project Request Tracker.

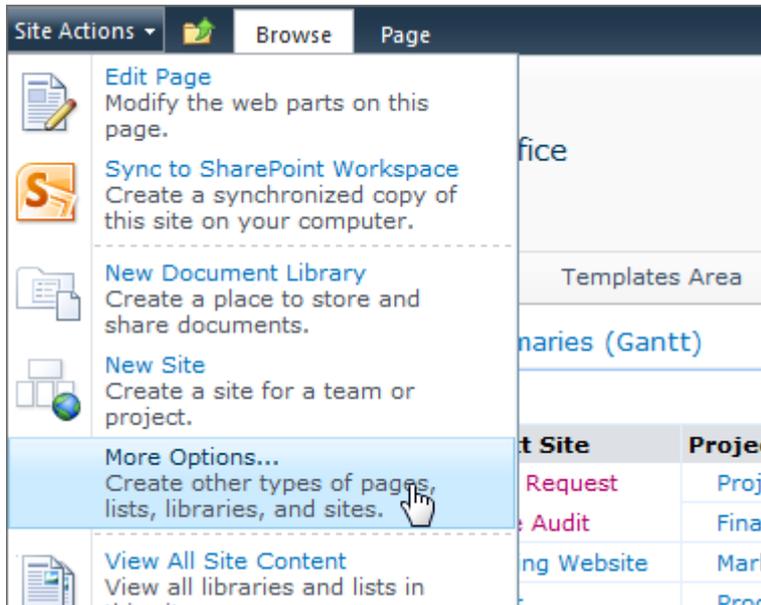
Note: The criteria for project submission and acceptance vary from organization to organization. The project request list should be regarded as a basic starting place for simple demand management that can be tailored to the processes that exist in your organization.

2.2 Add Request List to Project Office

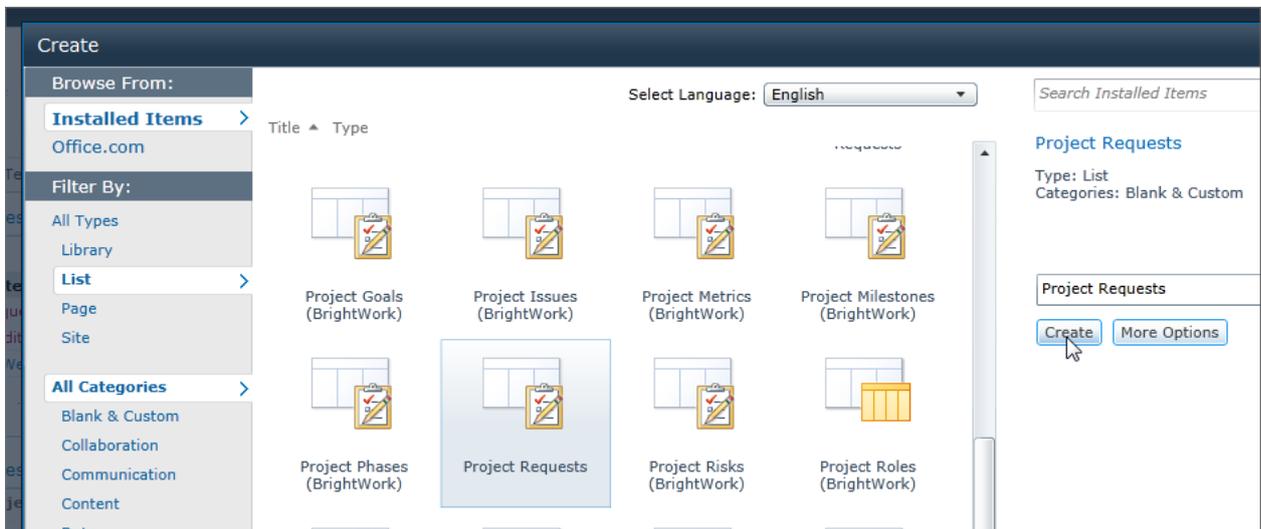
The Project Request list you will be adding here includes some sample data. This is included to help add some clarity to your training!

To add the list to your project office:

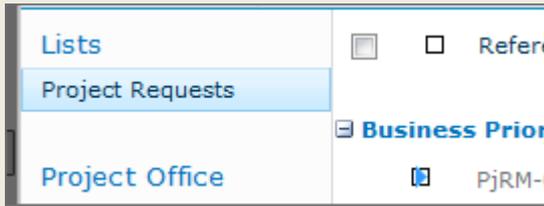
1. Navigate to your Project Office and click **Site Actions | More Options**.



2. Click **List** and select the **Project Requests** list.
3. Give the list a title (e.g. Project Requests) and click **Create**.

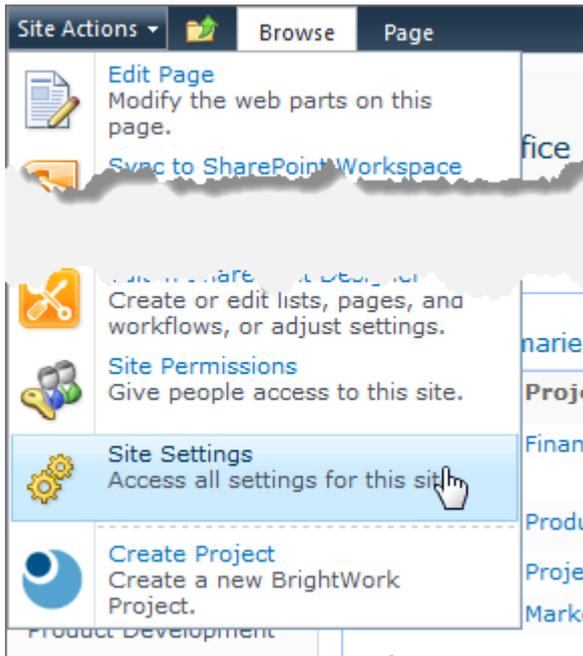


Note: The list will be added at the top of the Quick Launch.

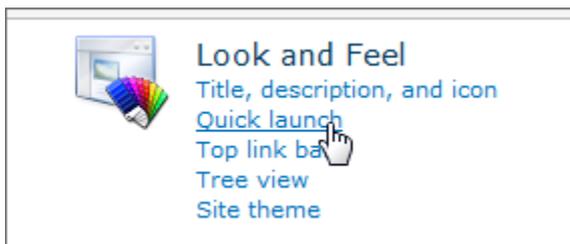


The best place for it is probably under the Metrics list and you will remedy this next.

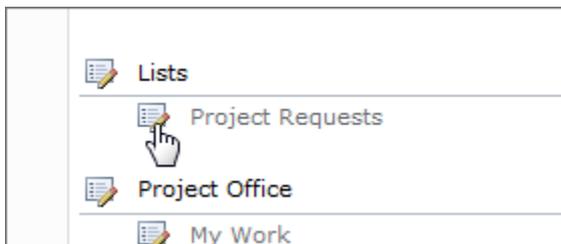
4. Click **Site Actions | Site Settings**.



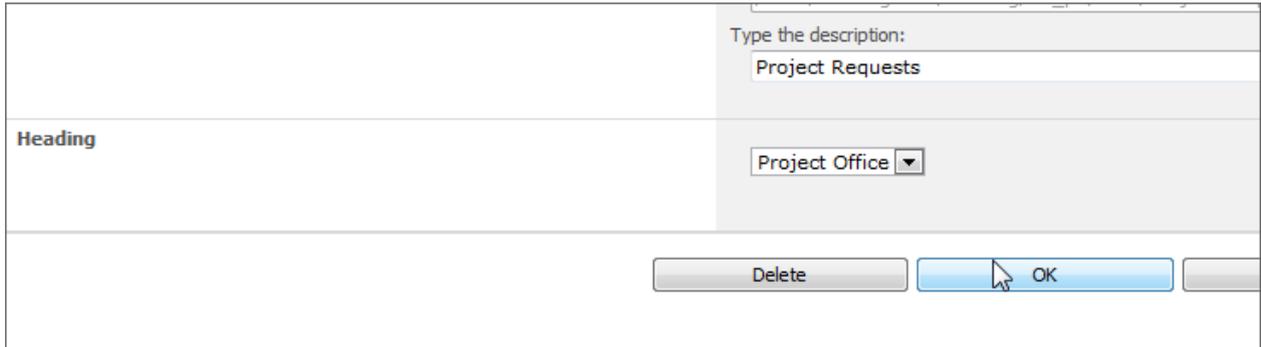
5. Click **Quick Launch**.



6. Click the **Edit** button beside Project Requests.

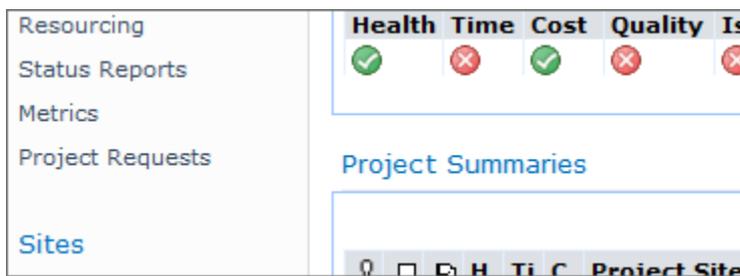


7. Select **Project Office** from the heading menu and click **OK**.



8. Click the Edit button beside Lists
9. Click **Delete** and click **OK** to confirm the deletion.

The Project Requests list will now be in a more suitable location on the Quick Launch.



2.3 Review Existing Requests

As mentioned above, for the purposes of this training exercise, this Project Request list has some sample data in it. This is to illustrate how a number of proposed projects can be seen side by side and evaluated.

To get an understanding of the type of information captured in a Project Request, you should open a few of the Requests already in the list. Notice also that the Project Requests can be seen in various ways and can be grouped by criteria like Priority. Also note that criteria like Goal Alignment can be represented in view using icons to help facilitate comparison between Project Requests.

<input type="checkbox"/>	<input type="checkbox"/>	Reference	Title	<input type="checkbox"/>	Requested By	Date	Project Due	<input type="checkbox"/>	Request Approver	Overall	Goal	Cost/Ben	Risk
Business Priority : (1) High (2)													
<input type="checkbox"/>	<input type="checkbox"/>	PjRM-009	Freemium Widget <small>NEW</small>		Jim Corbin	1/18/2012			Anne Wallace		●		
<input type="checkbox"/>	<input type="checkbox"/>	PjRM-005	New ERP System Improvement <small>NEW</small>		Christine Chang	5/19/2012			Anne Wallace	☹	◆	●	◆
Business Priority : (2) Medium													
<input type="checkbox"/>	<input type="checkbox"/>	PjRM-014	Office		Christine Chang	2/15/2012			Anne Wallace		●		
<input type="checkbox"/>	<input type="checkbox"/>	PjRM-013	Widget		Alex Hankin	1/16/2012			Anne Wallace		●		
<input type="checkbox"/>	<input type="checkbox"/>	PjRM-007	Office		Christine Chang	3/17/2012			Anne Wallace	●	●	●	⚠

2.4 Create a Request

With the Project Request list, the user creates a simple list item and assigns the item to the person who is responsible for making such decisions. Remember, you are asking for approval for a project here, so supply as much information as possible.

To create a request:

1. Click **Project Requests** on the Quick Launch.
2. Click **Add new item**.

Work										
Issues	Business Priority : (2) Normal (3)									
Resourcing	<table> <tr> <td></td> <td>PjRM-014</td> <td>Office 15 Widget</td> </tr> <tr> <td></td> <td>PjRM-013</td> <td>Widget 2012</td> </tr> <tr> <td></td> <td>PjRM-007</td> <td>Office 2007 Upgrade</td> </tr> </table>		PjRM-014	Office 15 Widget		PjRM-013	Widget 2012		PjRM-007	Office 2007 Upgrade
	PjRM-014	Office 15 Widget								
	PjRM-013	Widget 2012								
	PjRM-007	Office 2007 Upgrade								
Lists										
Project Requests	+ Add new item									
Sites										

3. Fill out the form as far down as the Estimated Cost column, supplying as much detail as possible.

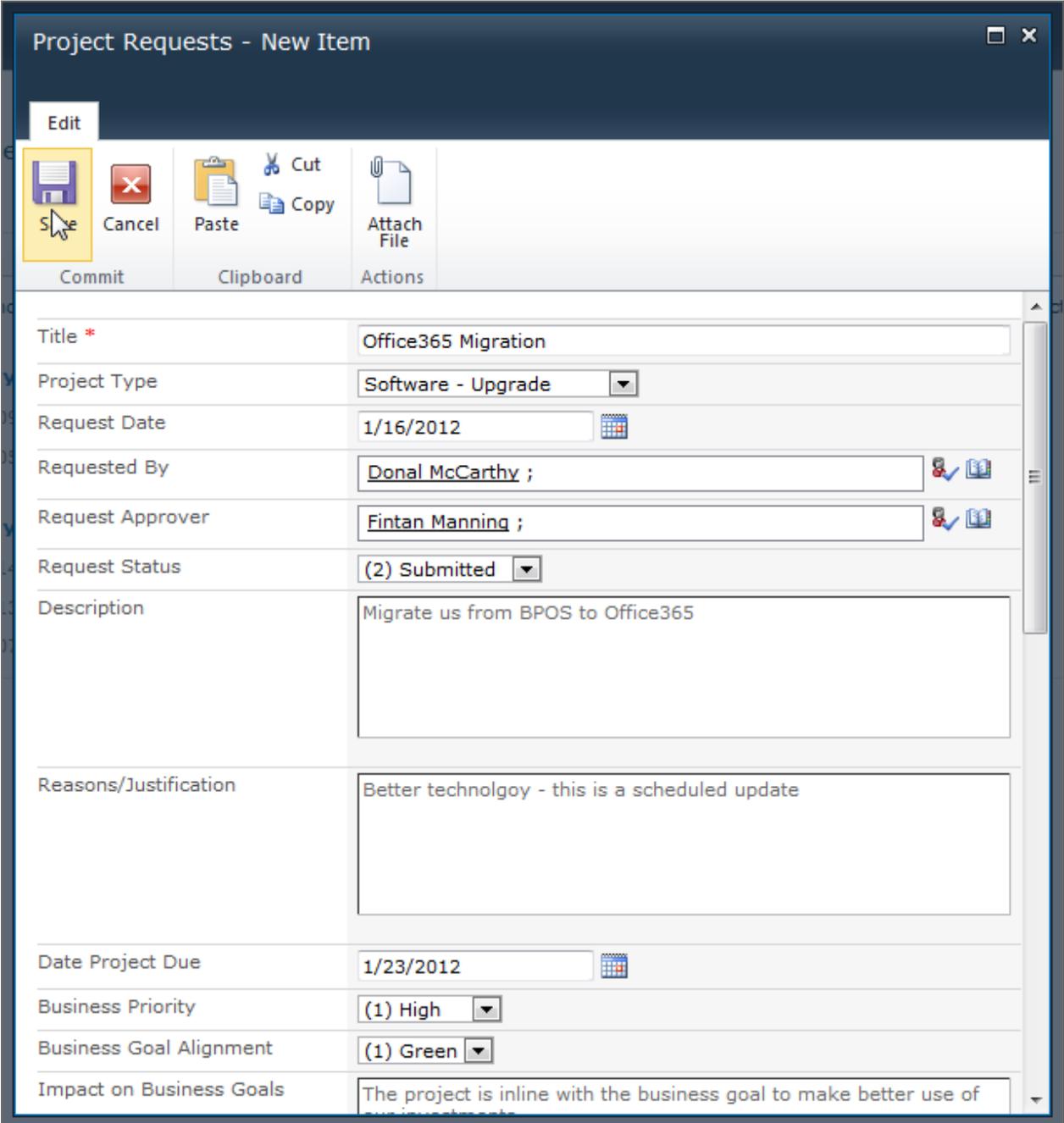
Note: The person making the request should supply as much detail as possible.

Enter your name in the Requested By column and the name of the person who should approve the request in the Request Approver column.

If you have any supporting documents, attach them to the list item.

Generally, the detail under the Estimated Cost column is intended for the Project Request approver.

4. Select **Submitted** from the Request Status column and click **Save**.



The screenshot shows the 'Project Requests - New Item' form. The 'Request Status' dropdown is set to '(2) Submitted'. The 'Save' button in the top toolbar is highlighted with a mouse cursor. The form fields are as follows:

Field	Value
Title *	Office365 Migration
Project Type	Software - Upgrade
Request Date	1/16/2012
Requested By	Donal McCarthy ;
Request Approver	Fintan Manning ;
Request Status	(2) Submitted
Description	Migrate us from BPOS to Office365
Reasons/Justification	Better technology - this is a scheduled update
Date Project Due	1/23/2012
Business Priority	(1) High
Business Goal Alignment	(1) Green
Impact on Business Goals	The project is inline with the business goal to make better use of our investments

2.5 Assess a Request

You should review requests and assess them against the criteria your organization has decided upon. Each organization will likely have its own criteria for deciding how to select the most appropriate projects. The Project Request list allows you to indicate the suitability of the request under a number of criteria, including:

- **Goal:** provides a relative measure of the projects alignment to the business goals, e.g. Green if the project aligns with all the business goals.
- **Cost/Benefit:** the return on investment for the proposed project, e.g. Yellow if it is not as high as would be typically expected, but is close and within a threshold.
- **Risk:** the degree of risk involved in this project, e.g. if the proposed project involves a lot of new technology, and/or new people, it might be categorized as Red.
- **Overall:** Based on the goal alignment, cost/benefit analysis and degree of risk, how does this project compare relatively to others in an overall sense, e.g. if the project has two or more yellow flags, or one red flag, then the overall criteria for this proposed project might be flagged as Yellow, so would not be a project that clearly should be done (Green) though equally is not a project that clearly should not be done (Red).

When you have made your decision, click **Edit Item** and select your decision from the Request Status column. For the purposes of this exercise, we suggest selecting **(3) Approved**.

The screenshot displays a web application interface for a Project Request Tracker. On the left, there is a sidebar with a list of items: 'Widget' (NEW), '012' (NEW), and '07 Upgrade' (NEW). The main content area shows a form for a request. The 'Requested By' field is filled with 'Christine Chang ;'. The 'Request Approver' field is filled with 'Anne Wallace ;'. The 'Request Status' dropdown menu is open, showing the following options: (1) Draft, (2) Submitted, (3) Approved (highlighted in blue), (4) Put on Hold, and (5) Rejected. The 'Description' field contains the text 'Microsoft BPOS-S from CRM'. A tooltip labeled 'Request Status' is visible over the dropdown menu.

You can add the reasons for your decision to the area of the form under the Estimated Cost column. Click **Save** once you are done.

Risk Rating: (2) Yellow
 Reasons For Decision: We obviously need to do this
 Additional Comments: Site will be created in due course
 Project URL: Type the Web address: [\(Click here to test\)](#)
 Status Indicator: (1) On Schedule
 Issue Indicator:
 Issue Description:

Version: 1.0
 Created at 1/16/2012 2:14 PM by Donal McCarthy
 Last modified at 1/16/2012 2:14 PM by Donal McCarthy

You will notice that the Project Request you just approved disappears from the default Active Items view. You will find the item in another view in the next section.

Project Management Note

While the Project Request Tracker is quite a basic form of Demand Management, it can also be used as a starting place to help get a more defined and measurable process in place. With experience, criteria can be added, and relative weights applied to them, so that the project approval process can become more scientific.

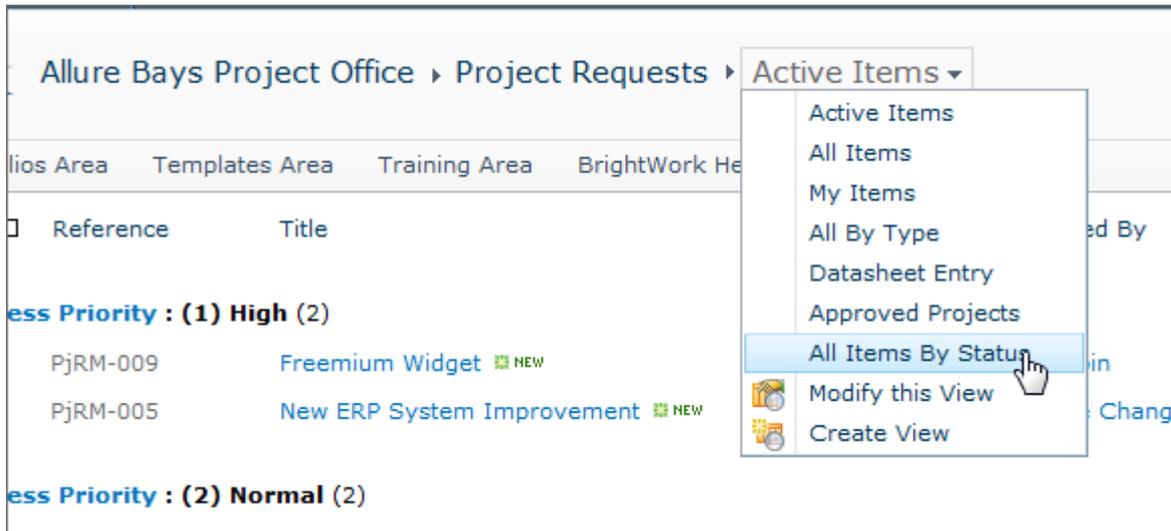
For example, it would be normal to require a Business Case (or Project Brief) as the minimum criteria when requesting a project; however, creating these documents can require time and a certain amount of expertise. Therefore, it might be useful to have a step where a Request Tracker could be used to pre-vet projects before the creation of a Business Case.

2.6 View Version History

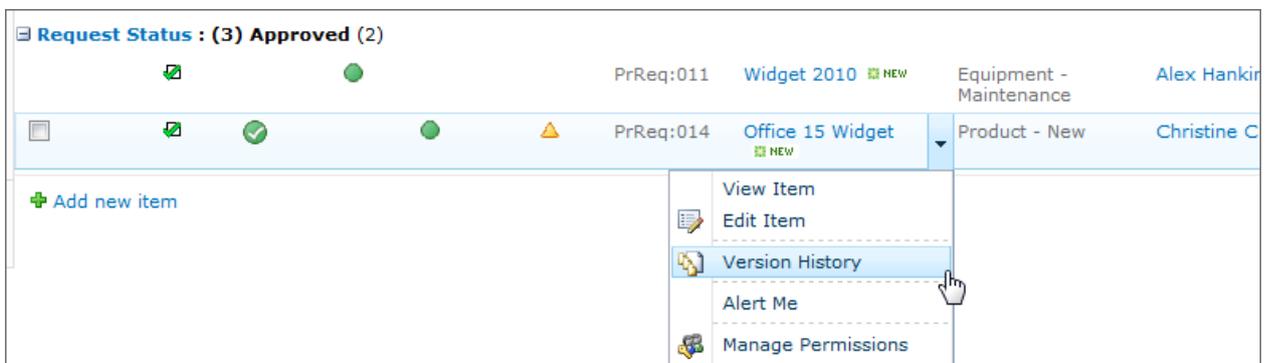
Understanding the evolution of a Project Request can be quite useful from an overall process point of view. A SharePoint feature called Version History that does exactly this is enabled by default in the Project Request list.

To view Version History:

1. Click **All Items By Status** on the Project Requests list view menu.



2. Select **Version History** from the list item menu of the item that you just approved.



The Version History will be displayed.

✖
Version History

[Delete All Versions](#)

No. ↓	Modified	Modified By
3.0	1/16/2012 3:35 PM	Donal McCarthy
	Reference PrReq:014	
	Reference & Title PrReq:014 : Office 15 Widget	
2.0	1/16/2012 3:24 PM	Donal McCarthy
	Request Status (3) Approved	
	Overall Rating (1) Green	
	Cost Benefit Rating (1) Green	
	Risk Rating (2) Yellow	
	Reasons For Decision We obviously need to do this	
	Additional Comments Site will be created in due course	
	Completed Flag Yes	
1.0	1/16/2012 2:14 PM	Donal McCarthy
	Title Office 15 Widget	
	Reference PjRM-014	
	Project Type Product - New	
	Request Date 11/15/2011	
	Requested By Christine Chang	
	Request Approver Anne Wallace	
	Request Status (2) Submitted	
	Description Widget for Office 15	
	Reasons/Justification Because we need one	
	Date Project Due 2/15/2012	
	Business Priority (2) Normal	
	Project Manager Christine Chang	
	ROM (Weeks) 0	
	Estimated Cost \$0.00	
	Status Indicator (1) On Schedule	
	(more...)	

3 Semi-Structured Approach: Project Request Manager

The Project Request Manager site template offers a more comprehensive process than the Project Request list. It provides a process to create requests, supply supporting documents and track organizational goals.

The Project Request Manager also includes an email workflow that notifies the nominated Request Approver when a new Project Request has been submitted and also copies the project requestor of any decision regarding the Project Request.

3.1 Scenario

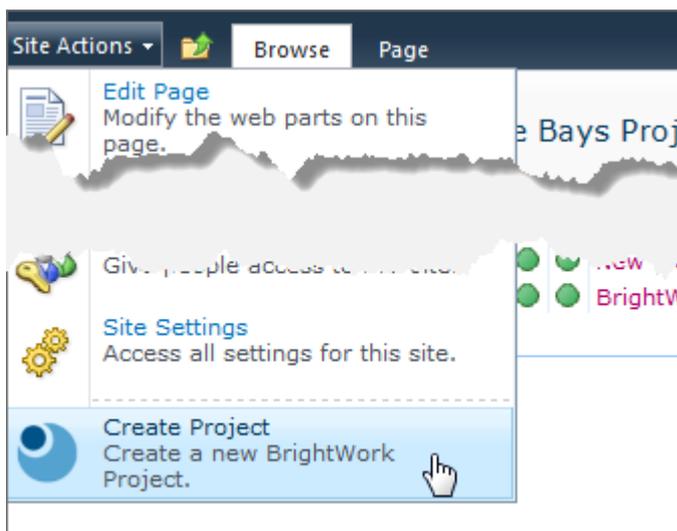
As with the Loosely Structured approach, you have lots of requests for projects. In analyzing the requests, you need to maintain a list of business goals and also track the documents (e.g. Project Brief or a Business Case) that are required when managing project requests.

For this scenario you need more than a single Project Requests list and the Project Request Manager should fit the bill.

3.2 Create Request Manager Site

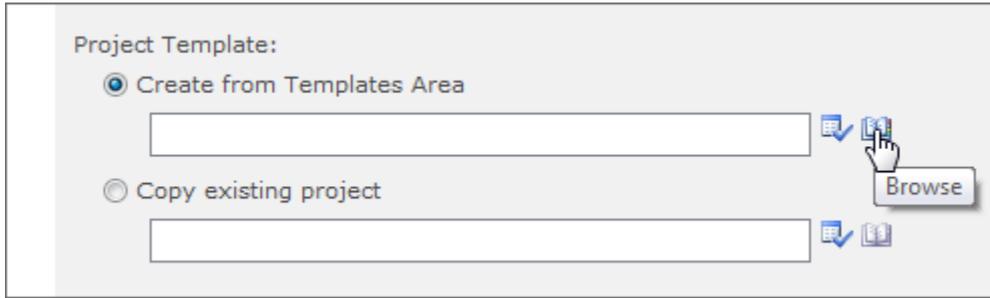
To create the Request Manager site:

1. Navigate to your Project Office and click **Site Actions | Create Project**.

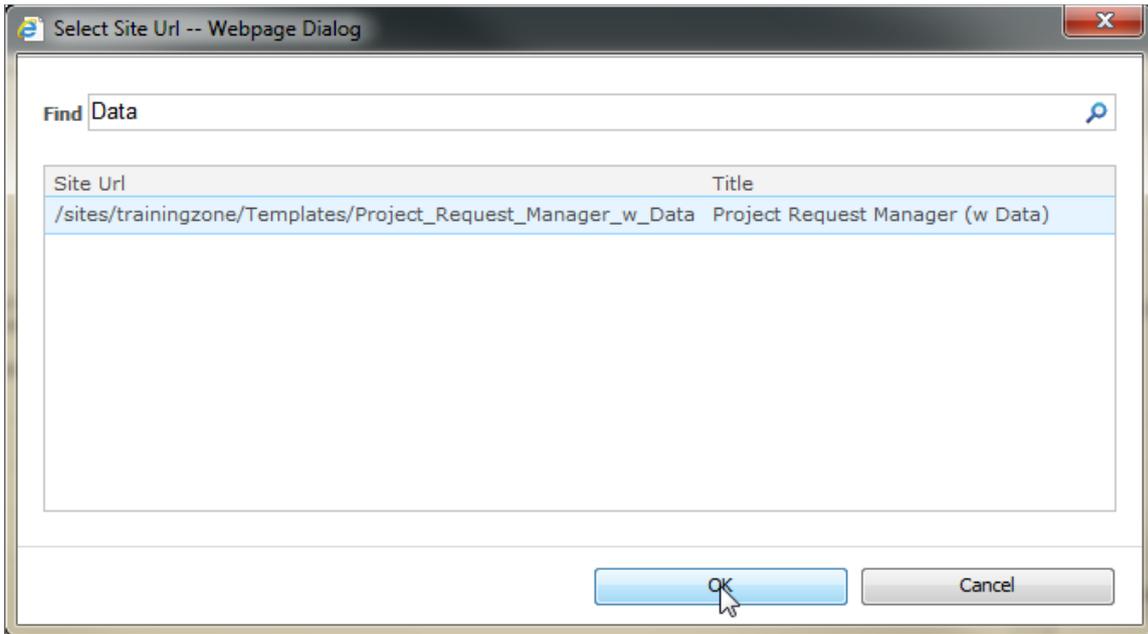


2. Give the site a Title and a URL name.

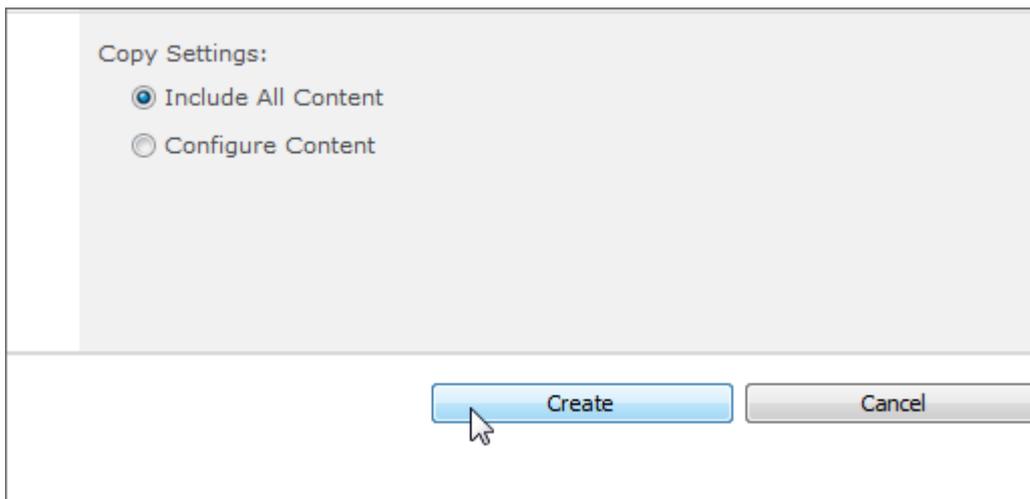
3. Click **Browse** to open the Template Picker.



4. Enter Data into the Find field and click the search icon to filter the available templates.
5. Select **Project Request Manager (w Data)** and click **OK**.



6. Click **Create**.



3.3 Understand Project Request Manager Elements

Take a brief moment to review and understand the various elements in the Project Request Manager site.

- **Reports** – these reports show you various cuts of the information in the site.
- **Project Requests** – this is where Project Requests are created, assessed and accepted or rejected.
- **Business Goals and Document Library** – these two elements are explained in greater detail in the subsequent sections but their main functions is to support the Project Request process.

The screenshot shows the BrightWork Project Request Manager interface. The top navigation bar includes 'Home', 'Requests Area', 'Portfolios Area', 'Templates Area', 'Training Area', and 'BrightWork Help'. A 'Reports' callout box is positioned over the 'Top 5 Reports' link in the secondary navigation. The main content area features a 'Manage Pipeline' section with 'Project Requests', 'Business Goals', and 'Document Library' links. A 'Project Requests' callout box is positioned over the 'Project Requests' link. Below this, there is an announcement about budget setting for 2011. At the bottom, a table lists project requests with columns for Overall, Cost/Ben., Goal, Risk, Reference, Title, Date Project Due, and Estimated Cost. A callout box for 'Business Goals and Document Library' is positioned over the 'Business Goals' link.

Overall	Cost/Ben.	Goal	Risk	Reference	Title	Date Project Due	Estimated Cost
							\$219,000.00
Dept : Administration (3)							
				PjRM-010	Widget 2010	6/12/2012	\$0.00
							\$0.00

3.4 Review and Create Goals

The Project Request Manager assumes that the demand management process used to determine which projects go ahead, and which do not, includes justification of the project on the basis of its alignment with organizational goals. Obviously, for this process to function correctly, an organization will have to create these goals. For the purposes of this exercise the Goals list in the Project Request Manager template includes some generic goals.

At the very least, you (and anyone else creating a Request) should click **Business Goals** on the Quick Launch and review the goals.

The SharePoint steps to add an item to the Goals list are much the same as with any other list.

1. Click the **Business Goals** link on the Quick Launch
2. Click **Add new item**.
3. Fill out the form and click **Save**.

3.5 Request a New Project

The Project Request Manager takes the Business Goal alignment concept used in the Project Request list a stage further in that it requires you to select the specific goals the requested project is aligned to and any necessary supporting documents.

The Project Request Manager template assumes that individuals making project requests will have an understanding of the business goals of the organization and be able to relate these to project requests.

Note: The Project Requests list also includes a workflow that will email notifications to the appropriate individuals depending on the status of the project request. This will be discussed in a later section.

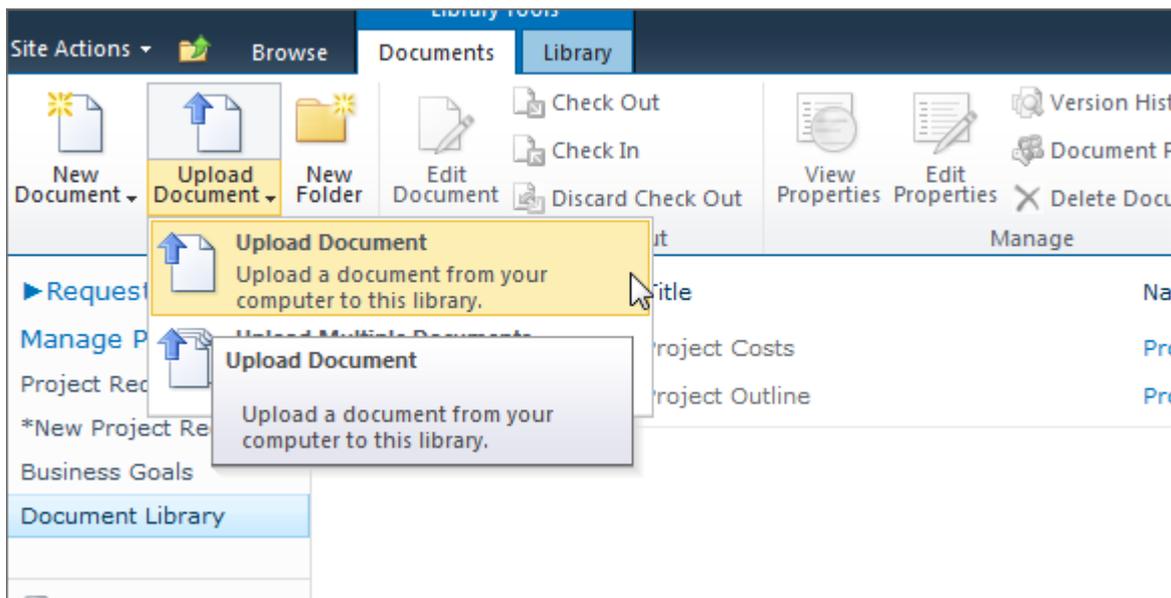
3.5.1 Upload Project Documents

If you have supporting documents for the project request, such as a budget spreadsheet or a Project Brief, upload them to the Document Library as you will be able to link to them from the request.

Note: The Project Request Manager template you are using already includes some sample documents, so if you are familiar with uploading documents in SharePoint, you can skip this section.

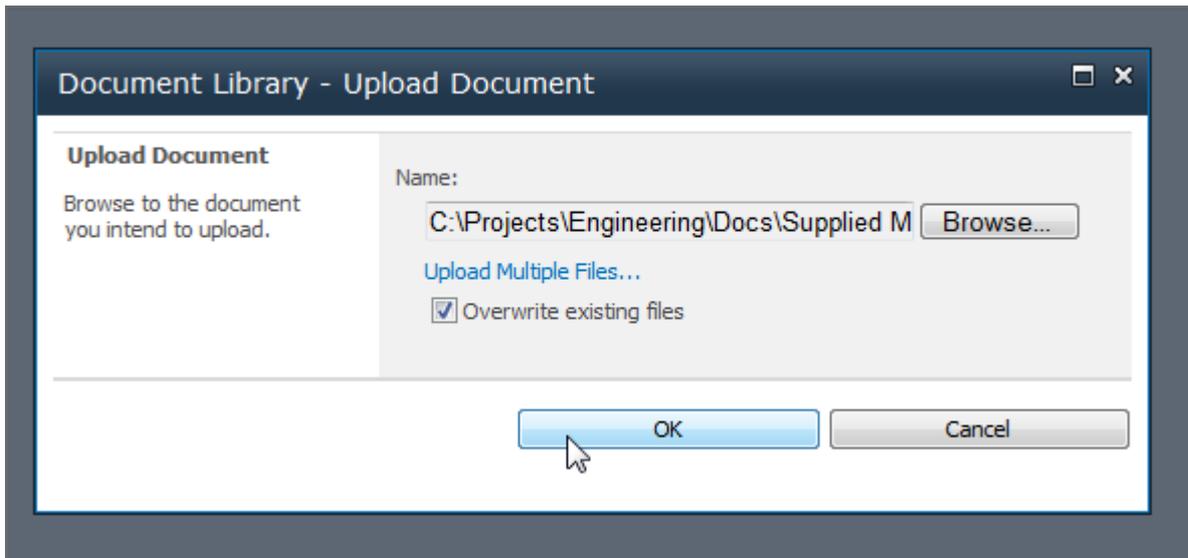
To upload a document:

1. Click **Document Library** on the Quick Launch.
2. Click **Documents | Upload Documents**.

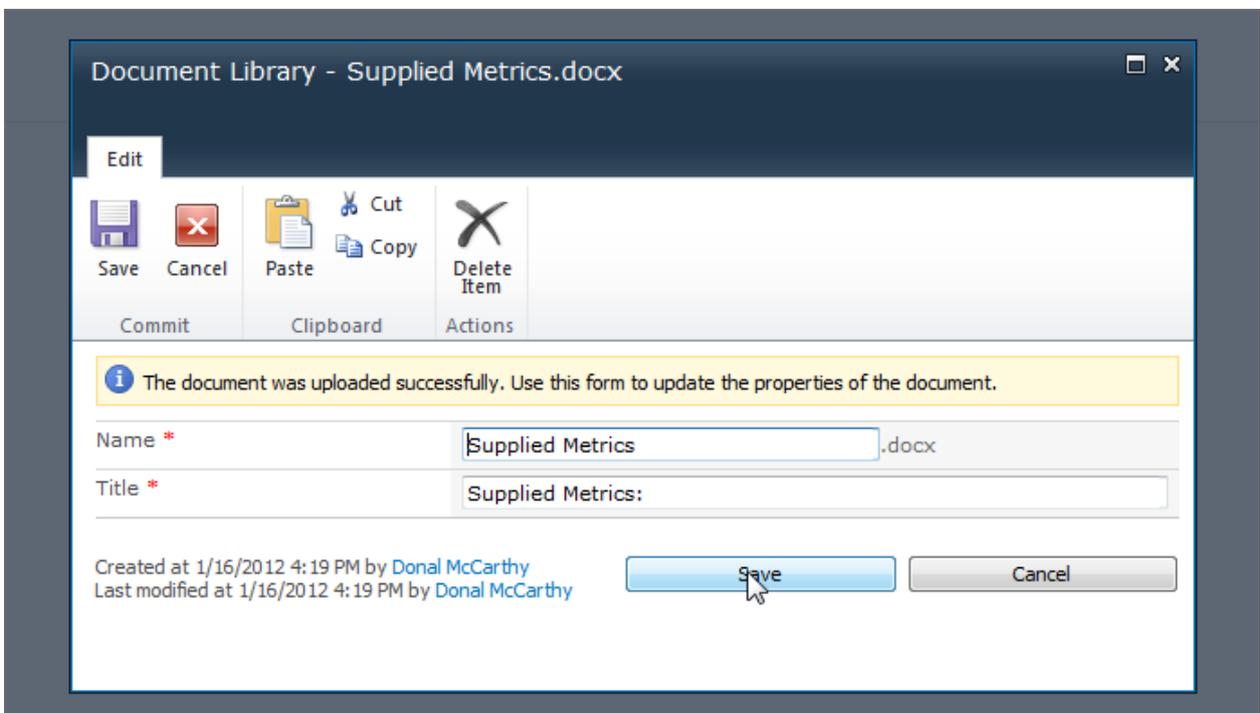


3. Click **Browse**, navigate to the location where the document is stored and double-click on the document.

4. Click **OK**.



5. Ensure the Document has a Name and a Title and click **Save**.



3.5.2 Create and Submit Request

To create a request:

1. Click ***New Project Request** on the Quick Launch.



2. Enter a Title for the project, select an Organization.
3. Specify a Requested By and a Request Approver.

Note: In a real world environment, you would probably enter your name in the Requested By column and another named person in the Request Approver column.

If you are taking this training using your own login, enter your name in both columns, as this will enable you to receive the emails generated by the workflow.

If you are taking this training using a generic login, enter that name in both columns – we will show you screenshots of the emails generated by the workflow later in this guide.

4. Continue to fill out the form, supplying as much detail as possible as far down as the Estimated Cost column.

Note: Everything from the Overall Rating column down is for the Request Approver to use.

5. Double-click on a Business Goal and/or a Supporting Document to select them and associate them with this Project Request.

6. Select **(2) Submitted** from the Request Status column when you are ready to submit the request.
7. Click **Save**.

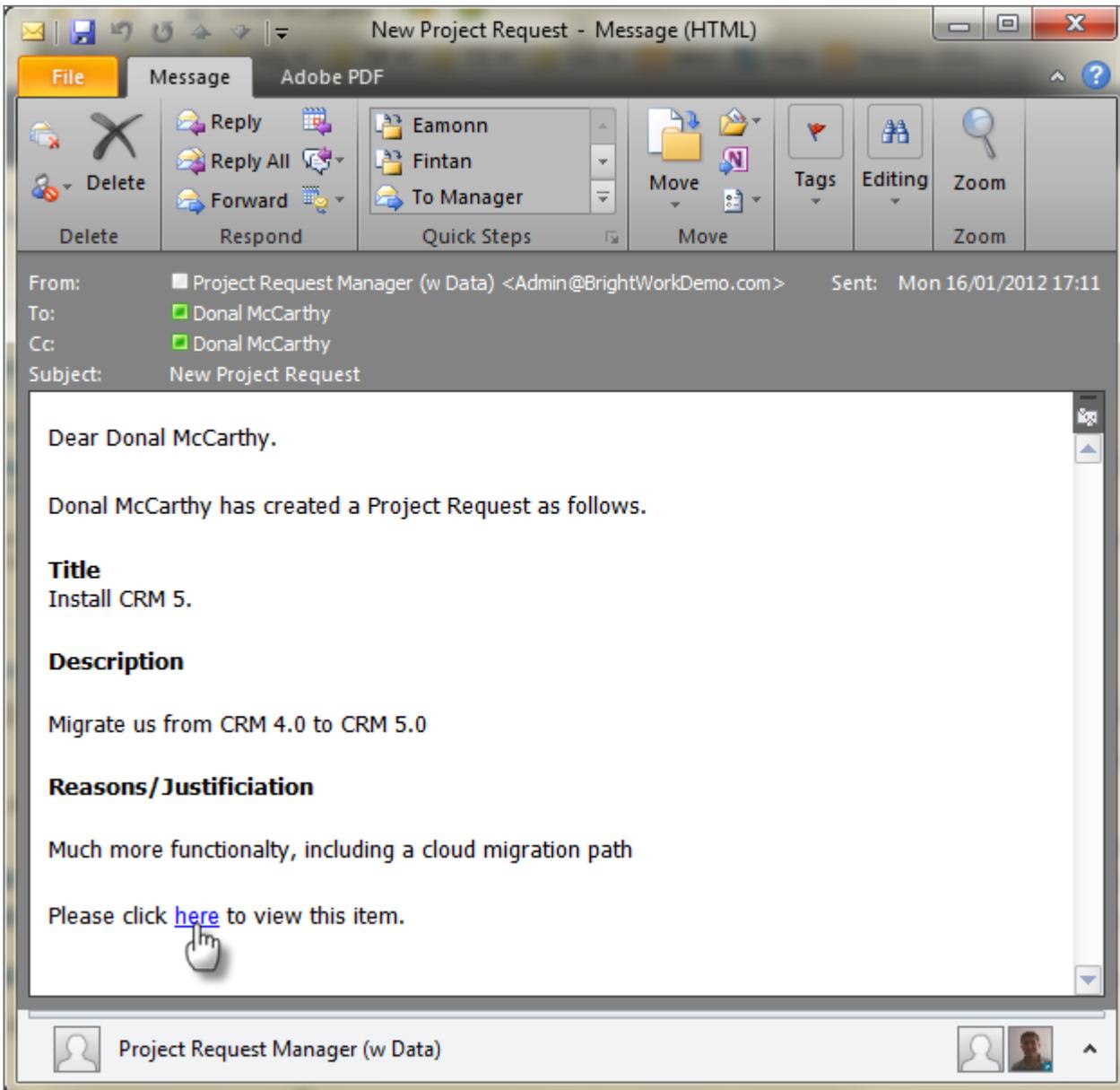
The screenshot shows the 'Project Requests - New Item' form. The 'Request Status' dropdown is set to '(2) Submitted'. The 'Save' button in the top toolbar is highlighted with a yellow box. The form fields are as follows:

Field	Value
Title *	Install CRM 5
Organization	CEO Office
Project Type	Software - Upgrade
Request Date	1/16/2012
Requested By	Donal McCarthy ;
Request Approver	Donal McCarthy ;
Request Status	(2) Submitted
Description	Migrate us from CRM 4.0 to CRM 5.0
Reasons/Justification	Much more functionality, including a cloud migration path
Date Project Due	3/31/2012

3.6 Assess a Request

If you are responsible for assessing project requests it would be important to have a good understanding of your organization's goals and be able to rate projects against them.

If you are assigned a request, you will receive an email like the one below. Click the link to open the actual request item.



Project Management Notes

You should review the request and assess it against the criteria your organization has decided upon. Each organization will likely have its own criteria for deciding how to assess a project request. The Request Manager allows you assess the request against its alignment with specific organizational goals. If the request has any supporting documents, you should review these and include them in your assessment.

When you have made your decision, click **Edit Item** and add your assessment of the request to the area under the Estimated Cost column. If there are any particular issues with the request, select the **Issue Indicator** check box and enter an Issue Description.

Estimated Cost	<input type="text" value="20,000"/>
Overall Rating	(1) Green
Cost Benefit Rating	(2) Yellow
Risk Rating	(2) Yellow
Reasons For Decision	Agreed - we need this.
Additional Comments	Site will be created in due course.
Project URL	Type the Web address: (Click here to test) http:// Type the description:
Status Indicator	(1) On Schedule
Issue Indicator	<input type="checkbox"/>
Issue Description	<input type="text"/>
Created at 1/16/2012 5:10 PM by Donal McCarthy Last modified at 1/16/2012 5:10 PM by Donal McCarthy	
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

Select your decision from the **Request Status** column at the top of the form.

Request Status	(2) Submitted
Description	RM 4.0 to CRM 5.0

(2) Submitted

(1) Draft

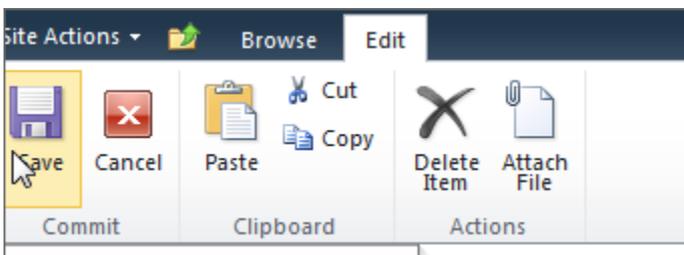
(2) Submitted

(3) **Approved**

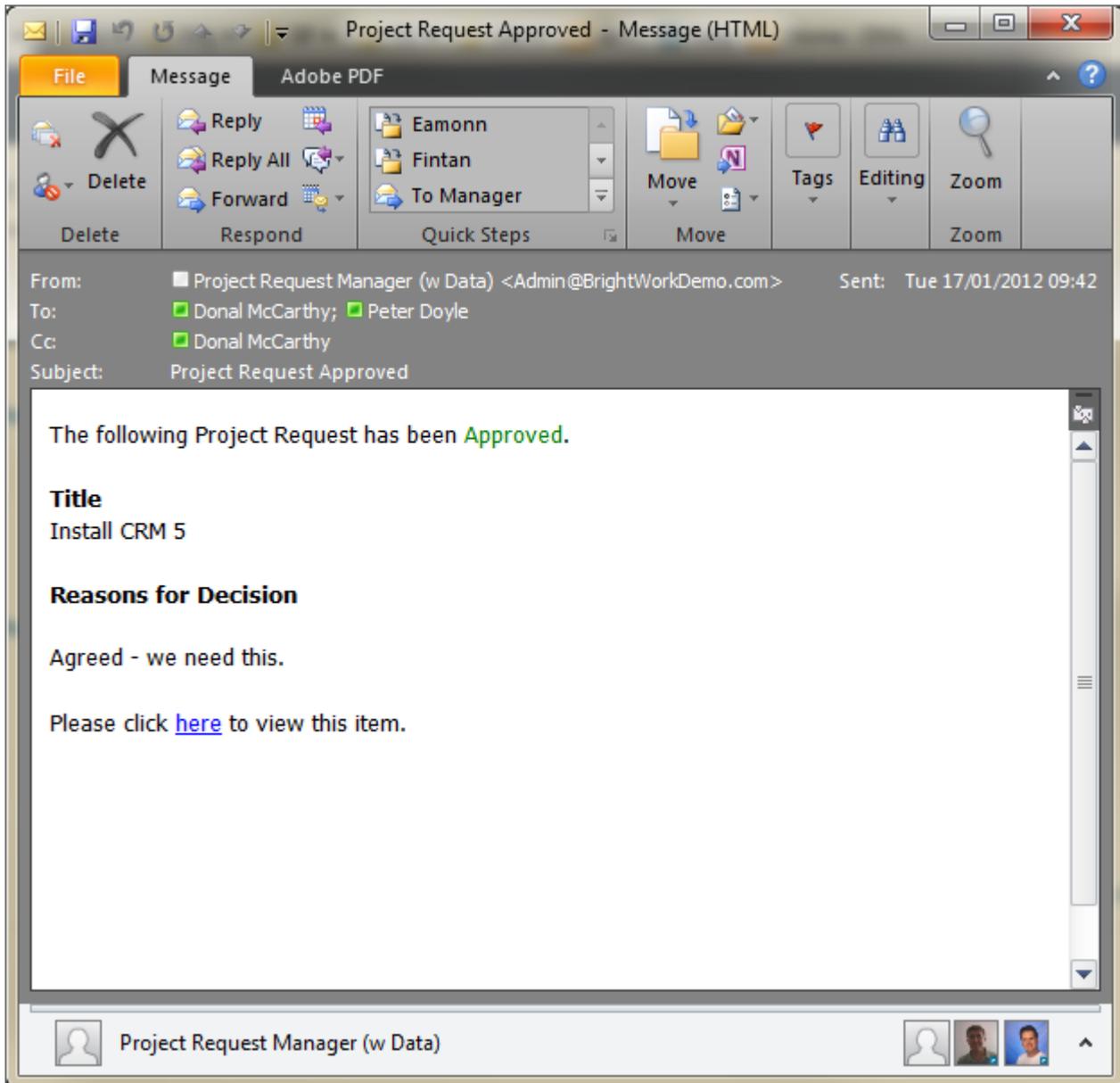
(4) Put on Hold

(5) Rejected

Click **Save**.

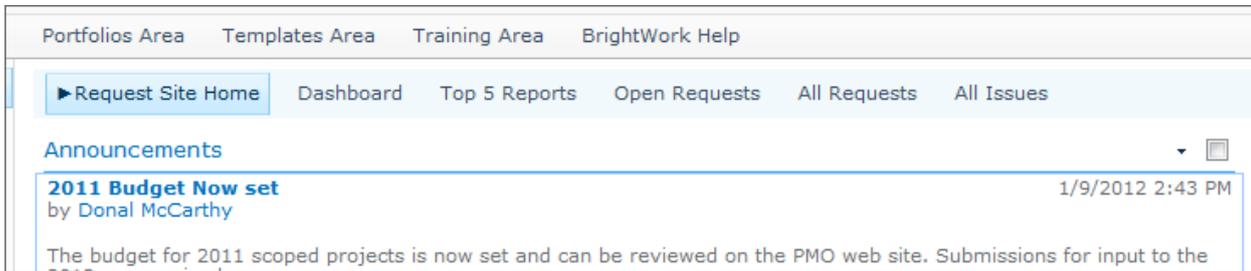


An email like the below will be sent to the Project Requestor and the person nominated as the Project Manager in the request.



3.7 Examine Reports

The Project Request Manager includes a number of report tabs. The content on each tab is explained in greater detail below.



- Request Site Home – this brings you to the Request Manager home page where the main high-level reports are displayed.
- Dashboard – this page includes some high-level charts about the active requests in the site.
- Top 5 Reports – this page displays the top 5 open Issues and open Project Requests.
- Open Requests – this page displays all the open Project Requests in the site. An open request is one that has a Request Status of (2) Submitted or (4) Put on Hold.
- All Requests – this page displays all the Project Requests that exist in the site.
- All Issues – this page displays all the Business Goals or Project Requests that have had their Issue Indicator selected.

4 Semi-Structured Approach: Customize Workflow Email

Note: This is an optional section for users interested in customizing the workflow email. Ideally, you should be using your own login here, so you can actually receive the email to appreciate the impact of the changes

The emails you saw in the previous section were generated by a SharePoint Designer workflow that is associated with the Project Requests list. This workflow triggers when the Request Status of an item changes.

- If the Request Status of an item is changed to **(2) Submitted**, an email is sent to the person nominated as the Request Approver.
- If the Request Status of an item is changed from **(2) Submitted** to **(3) Approved; (4) Put on Hold; or (5) Rejected** the Project requestor an email is sent to the persons nominated as the Requested By and the Project Manager.

You can control the content of this email, including the text in the body of the email and the content that is automatically added to the email from the Request item that triggered the workflow. In this section we will describe how to do just that.

4.1 Set-Up for SharePoint Designer

Follow the below steps to use SharePoint Designer 2010 in this exercise.

4.1.1 Download and Install SharePoint Designer 2010

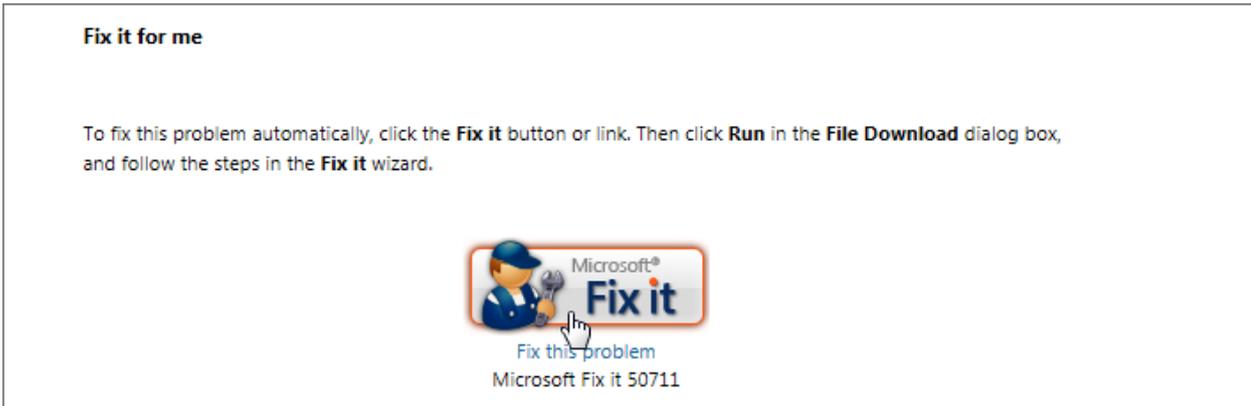
If you do not already have SharePoint Designer 2010 installed on your computer, you can download and install it from the below link:

<http://www.microsoft.com/download/en/details.aspx?id=16573>

4.1.2 Enable Basic Authentication for Microsoft Office

To ensure that all users can get access, the TrainingZone environment uses Basic Authentication. By default, Microsoft Office applications such as Microsoft Word and SharePoint Designer cannot access SharePoint via Basic Authentication without applying a fix.

The details regarding this fix can be found at <http://support.microsoft.com/kb/2123563>. To apply the fix automatically, click the **Fix it** button on the page should it appear.

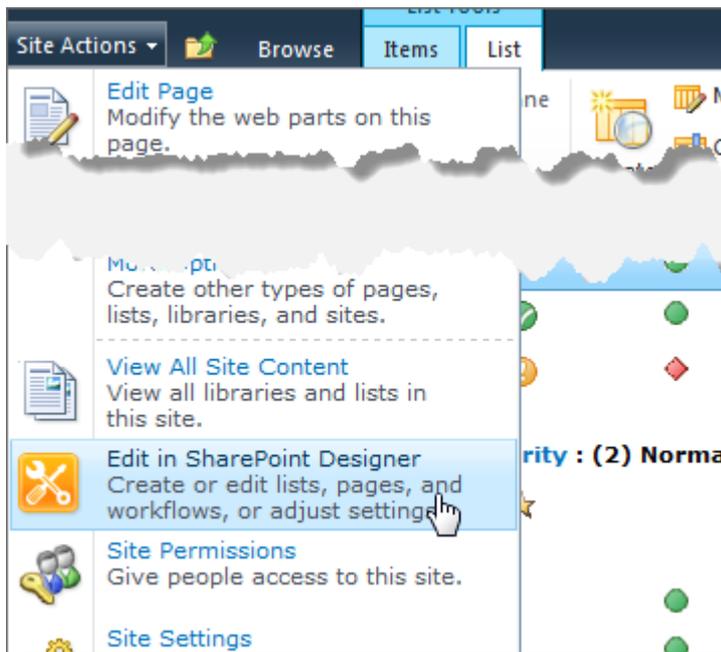


4.2 Configure Workflow

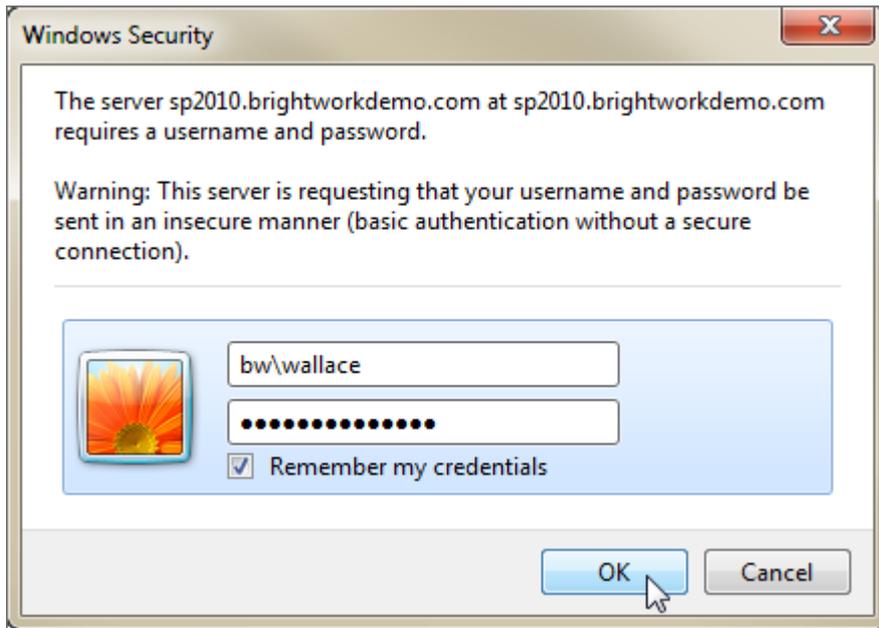
In this exercise, we will get you to add the Additional Comments column to the body of the notification email.

To configure the workflow:

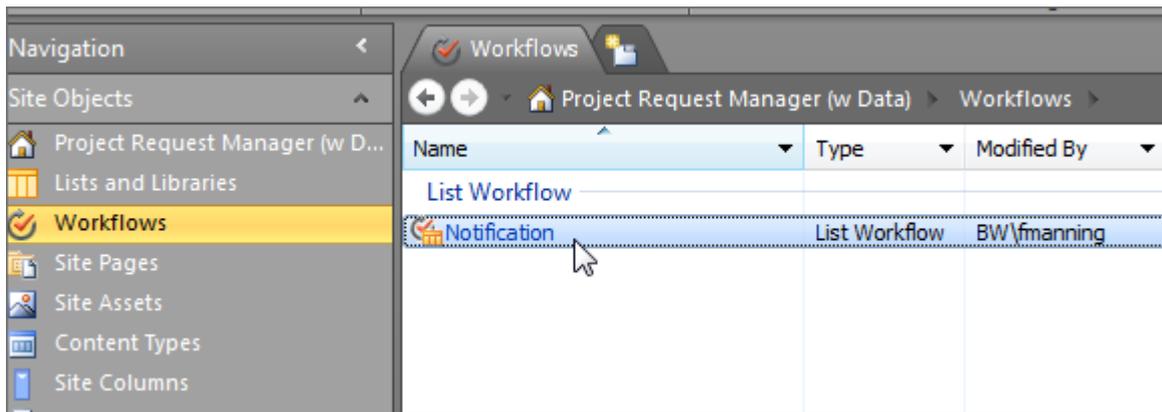
1. Click Site Actions | Edit in SharePoint Designer.



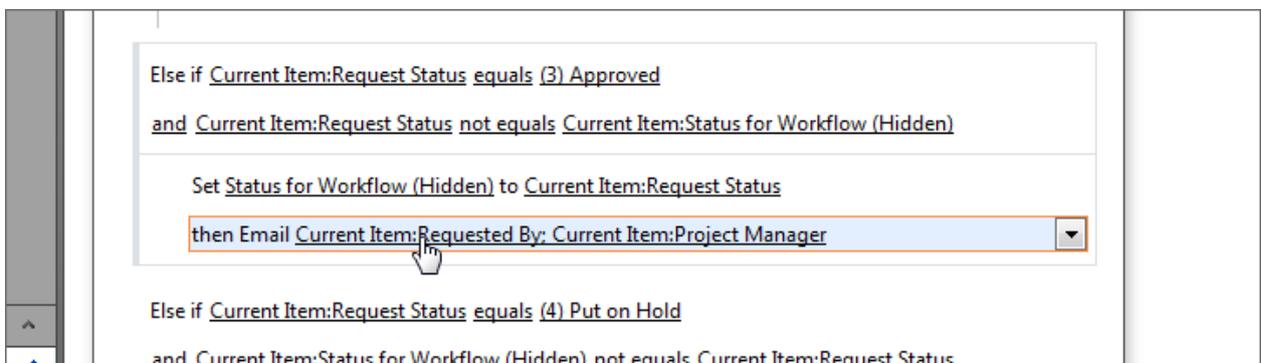
- If requested, enter your User name and Password and click OK.



- In SharePoint Designer, click **Workflows** in the toolbar on the left.
- Click the **Notification** workflow.

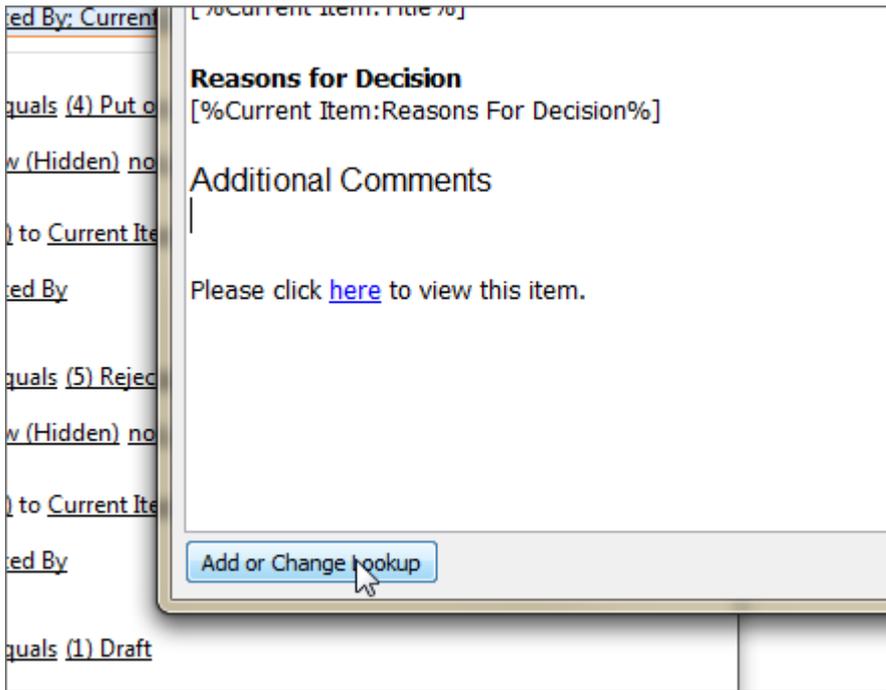


- Click **Edit Workflow**.
- Double-click on **then Email Current Item:Requested By: Current Item:ProjectManager**.

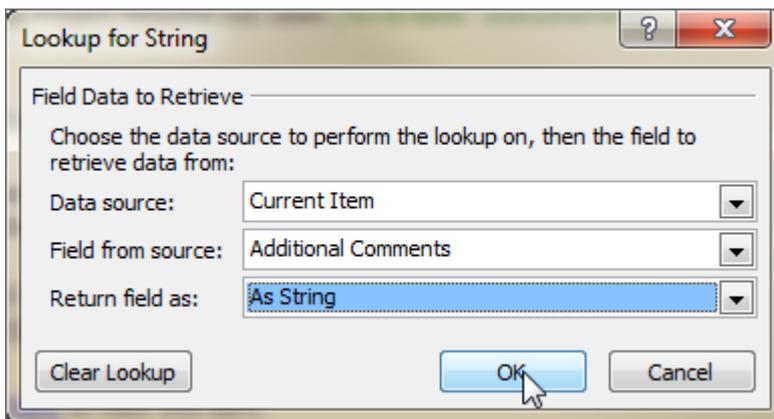


- Create a new line under the Reasons for Decision block and enter Additional Comments.

- Click **Return** on your keyboard and then click **Add or Change Lookup**.

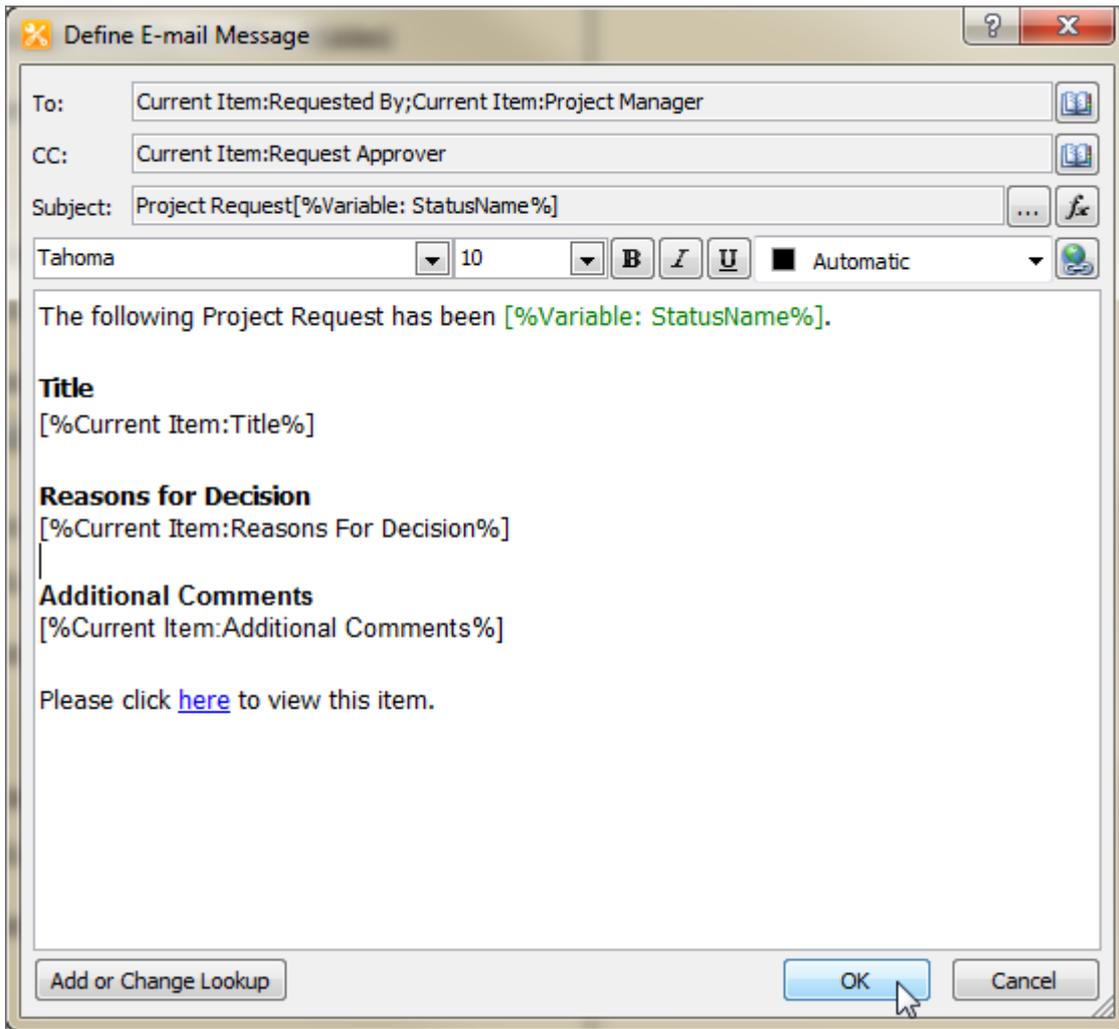


- Select **Additional Comments** from the Field from source menu and click **OK**.

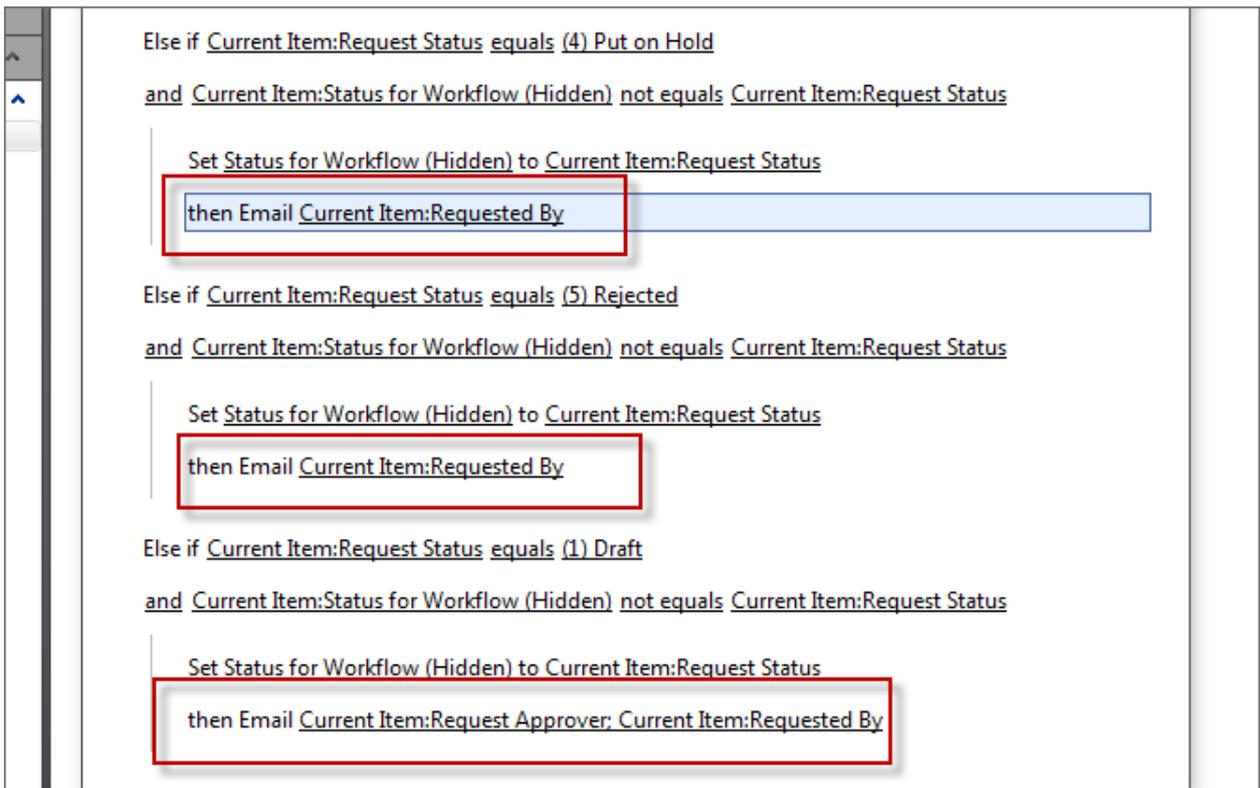


- Select both lines and reduce the size to 10.
- Select the Additional Comments line and bold it.

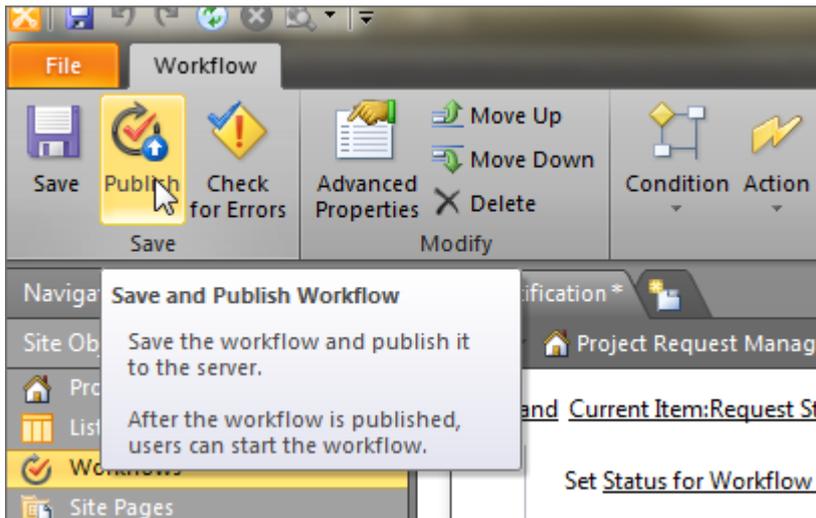
12. Click **OK**.



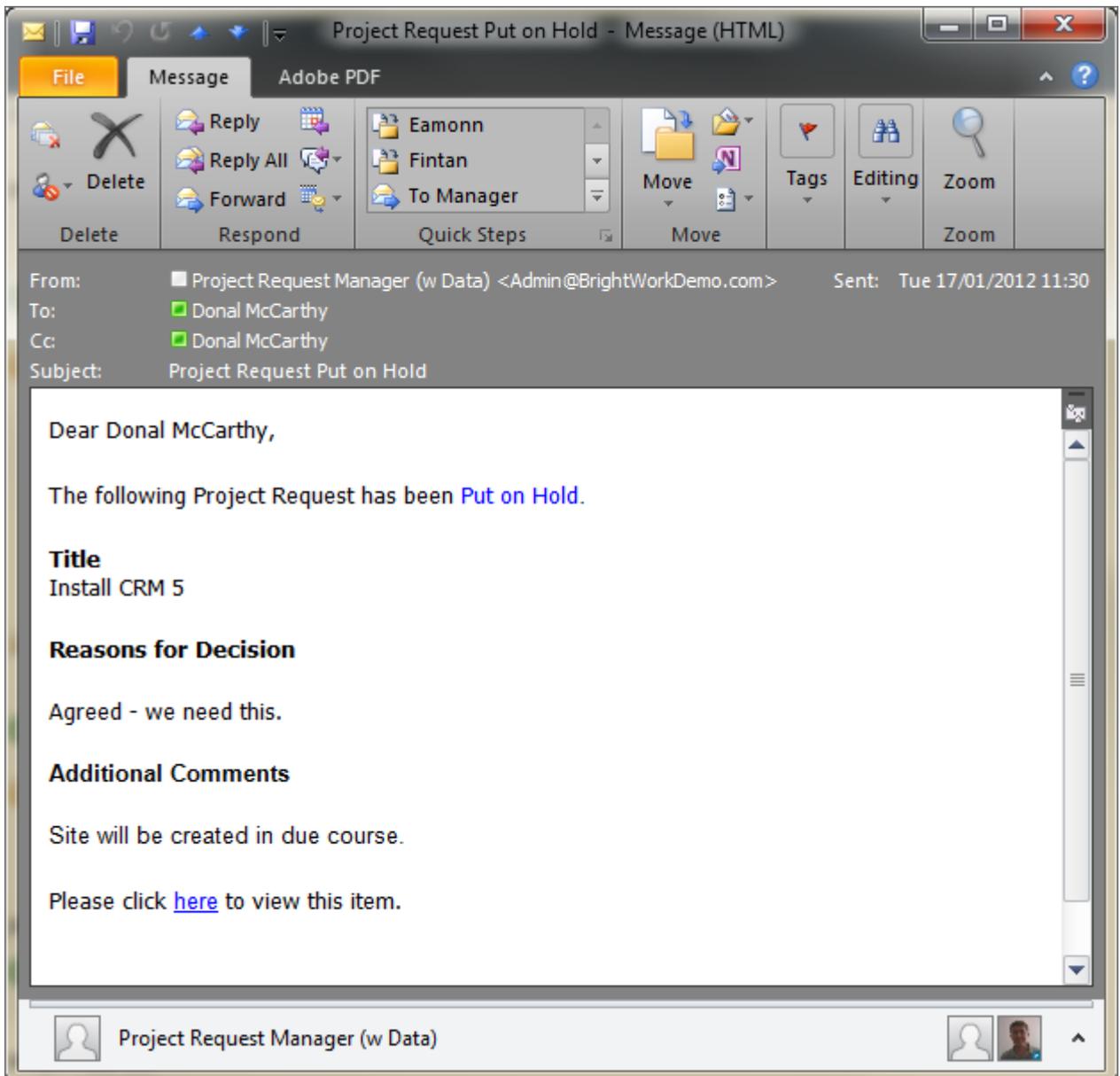
13. Ideally, you would repeat steps 6-12 for the emails highlighted below; however you can skip this step if you like for the purposes of this exercise.



14. Click Publish.



From now on, notification emails will look similar to the one displayed below that now has the Additional Comments added.



5 Fully Structured Approach: Project Forecast Manager

Previously we used criteria like alignment to goals, risk involved and a cost/benefit indicator to help us differentiate between the different projects being proposed and to manage the demand.

Among the other criteria that organizations might want to use when selecting projects is the impact a potential project will have on available resources. The Project Forecast Manager provides this ability.

Note: In this section we will not get you to do any exercises. We will just explain the Project Forecast Manager and get you to visit an example of it.

5.1 Scenario

You have a stream of project requests that need to be managed. You need to look at the goal alignment and other criteria for assessing the projects requested but you also need to determine if you have the resources available to allow a project go ahead.

The projects vary in size and in terms of the resources and skills they need in order to run. You have finite resources and only certain numbers of people in certain key roles, such as technical architects for example.

You will also want to be able to see the trade-offs that would happen to certain projects if other projects that draw on the same resources were to go ahead.

For such a fully structured approach, we recommend the Project Forecast Manager.

URL: <http://sp2010.brightworkdemo.com/sites/pmPoint/Requests/pfm/default.aspx>

5.2 Similarities to Project Request Manager

The Project Forecast Manager template delivers all the functionality of the Project Request Manager template plus Resource Planning for those that need it.

The screenshot displays the BrightWork Project Forecast Manager interface. The left sidebar contains a navigation menu with 'Request Site Home' selected. Two red boxes highlight 'Manage Pipeline' and 'Resource Planning' in the sidebar. Callout boxes point to these areas: 'Same elements as Project Request Manager' points to the 'Manage Pipeline' section, and 'Additional Resource Planning' points to the 'Resource Planning' section. The main content area shows a dashboard with a 'Request Site Home' button, a 'Dashboard' button, and a 'Top 5 Reports' button. Below these is a 'Open Requests' section with a table header including 'Goal', 'Risk', 'Reference', and 'Title'. A row in the table shows 'Dept : Engineering (1)'. At the bottom, there is a 'Recycle Bin' icon and a status bar with various icons and a project ID 'PjFM-005'.

5.3 Extra Demand Management: Resource Planning

The Resource Planning aspect of the Project Forecast Manager enables you to create Resource Estimates for each project in the pipeline, giving you some oversight of the demands that will be made on your resources from the combined weight of all the projects in the pipeline.

You can further extend this by detailing resource availability in the Resource Pool.

The Reports supplied in the Project Forecast Manager use the information in the Resource Estimates and Resource Pool lists to generate a series of reports that enable you to visualize the effect the demands that potential projects will have on available resources.

5.3.1 Resource Estimates

The Resource Estimates list is where you detail the resources you think you will need for projects in the Project Requests list.

BRIGHTWORK Project Forecast Manager > Resource Estimates > Datasheet Entry (Active) -												
Home Requests Area Portfolios Area Templates Area Training Area BrightWork Help Master Class Search this site...												
▲ Up a Level	Project Name	Organization	Role	Resource Name	Forecast Start	Forecast Finish	Planned Work (Hrs)	Planned Work (Days)	% Weighting	Status		
▶ Request Site Home	Report Definition Builder/Editor needed	IT	Project Manager		7/1/2011	7/31/2011	200	0.00	100%	(1) Draft		
Manage Pipeline	Report Definition Builder/Editor needed	IT	Engineer		7/1/2011	7/31/2011	0	10.00	100%	(1) Draft		
Project Requests	Report Definition Builder/Editor needed	IT	Tester		7/1/2011	7/31/2011	0	20.00	100%	(2) Requested		
*New Project Request	Report Definition Builder/Editor needed	IT	Engineer		7/1/2011	7/31/2011	0	20.00	100%	(1) Draft		
Business Goals	Mars Landing Project	IT	Engineer		7/1/2011	7/31/2011	0	20.00	100%	(1) Draft		
Document Library	Billing	IT	Project Manager		7/1/2011	12/28/2011	0	110.00	100%	(2) Requested		
Resource Planning	Microsoft BPOS-S CRM	Marketing	Executive		7/4/2011	10/28/2011	0	85.00	90%	(2) Requested		
Reports	Morocco	IT	Project Manager		8/1/2011	9/30/2011	0	40.00	100%	(3) Approved		
Resource Estimates	Morocco	IT	Engineer		8/1/2011	9/30/2011	0	40.00	90%	(1) Draft		
Resource Pool	Morocco	IT	Tester		8/1/2011	9/30/2011	0	40.00	100%	(2) Requested		
	Morocco	IT	Engineer		8/1/2011	9/30/2011	0	40.00	100%	(1) Draft		
	Morocco	IT	Engineer		8/1/2011	9/30/2011	0	40.00	75%	(1) Draft		
	Billing	IT	Architect		8/31/2011	9/30/2011	200	0.00	100%	(2) Requested		
Recycle Bin	Billing	IT	Tester		9/29/2011	11/26/2011	320	0.00	100%	(2) Requested		
All Site Content	Mars Landing Project	IT	Engineer		9/29/2011	11/26/2011	320	0.00	100%	(2) Requested		
	Report Definition Builder/Editor needed	IT	Engineer		9/29/2011	11/26/2011	320	0.00	100%	(2) Requested		

5.3.2 Resource Pool

The Resource Pool list is where you specify the resources available to your organization and detail their availability.

Note: The Resource Pool is optional, as you can use the Resource Estimates list without creating or maintaining a Resource Pool. The Resource Pool enables you to estimate constraints on resource availability.

BRIGHTWORK Project Forecast Manager > Resource Pool > Datasheet Entry -												
Home Requests Area Portfolios Area Templates Area Training Area BrightWork Help Master Class												
▲ Up a Level	Department	Role	Resource Name	Resource Type	Start Date	Finish Date	Work (Hrs)	Work (Days)	% Weighting	Status		
▶ Request Site Home	Services	Project Manager	Peter Doyle	FTE	1/1/2011	12/30/2011	0	230.00	100%	(2) Planned		
Manage Pipeline	IT	Project Manager	Alex Hankin	FTE	7/4/2011	9/30/2011	0	60.00	75%	(2) Planned		
Project Requests	IT	Tester	Anne Wallace	FTE	7/4/2011	9/30/2011	0	60.00	100%	(2) Planned		
*New Project Request	IT	Team Manager	Chris Ashton	FTE	7/4/2011	9/30/2011	0	60.00	100%	(2) Planned		
Business Goals	IT	Team Member	Dan Bacon	FTE	7/4/2011	9/30/2011	0	60.00	100%	(2) Planned		
Document Library	Marketing	Executive	Tomas Staunton	FTE	7/4/2011	9/30/2011	0	60.00	100%	(2) Planned		
Resource Planning	IT	Team Manager	Christine Chang	FTE	7/4/2011	9/30/2011	0	60.00	100%	(2) Planned		
Reports	IT	Project Manager	Fintan Manning	Part-Time	7/4/2011	9/30/2011	0	60.00	75%	(2) Planned		
Resource Estimates	IT	Engineer	Brittany Kwait	FTE	7/4/2011	9/30/2011	0	60.00	100%	(2) Planned		
Resource Pool	IT	Engineer	Donal McCarthy	Contractor	7/4/2011	9/30/2011	0	60.00	25%	(2) Planned		
	IT	Architect	Elizabeth Dann	FTE	7/4/2011	12/30/2011	0	115.00	50%	(2) Planned		
	IT	Project Assurance	Eric Parkinson	FTE	7/4/2011	12/30/2011	0	115.00	50%	(2) Planned		
	IT	Tester	Jim Corbin	FTE	10/3/2011	12/30/2011	0	55.00	100%	(2) Planned		
Recycle Bin	IT	Engineer	Jonathan Browne	FTE	10/3/2011	12/30/2011	0	55.00	100%	(2) Planned		
All Site Content	Marketing	Executive	Eamonn McGuinness	FTE	10/3/2011	12/30/2011	0	60.00	100%	(2) Planned		
	IT	Engineer	Angela Klee	Consultant	10/3/2011	12/30/2011	0	55.00	100%	(2) Planned		
	IT	Project Manager	Fintan Manning	FTE	10/3/2011	12/30/2011	0	60.00	100%	(2) Planned		
	*											

5.3.3 Resource Reports

The Resource Reports enable you to visualize the impact that planned projects (Resource Estimates) will have on available resources (Resource Pool).

The screenshot below shows you a comparison of the Resource Pool vs. the Resource Estimates, with the highlighted cells showing the time periods where you have an undersupply of a particular Role. You might wish to review the other reports provided in this template. You should also remember that you can modify, subtract or add reports at any time using the BrightWork Reporter web part.

							2011					
							Jul/2011	Aug/2011	Sep/2011	Oct/2011	Nov/2011	Dec/2011
Role : Architect (2)							-70.77	-72.69	113.46	-74.31	-77.85	-77.85
Role : Engineer (13)							215.38	155.69	179.40	199.59	147.79	-297.85
List Name : Resource Estimates (9)							400.00	368.00	382.48	483.90	445.62	
<input type="checkbox"/>	EST-0058	Report Definition Builder/Editor needed	7/1/2011	7/31/2011	80	80.00						
<input type="checkbox"/>	EST-0060	Report Definition Builder/Editor needed	7/1/2011	7/31/2011	160	160.00						
<input type="checkbox"/>	EST-0061	Mars Landing Project	7/1/2011	7/31/2011	160	160.00						
<input type="checkbox"/>	EST-0053	Morocco	8/1/2011	9/30/2011	160		81.78	78.22				
<input type="checkbox"/>	EST-0056	Morocco	8/1/2011	9/30/2011	320		163.56	156.44				
<input type="checkbox"/>	EST-0057	Morocco	8/1/2011	9/30/2011	240		122.67	117.33				
<input type="checkbox"/>	EST-0065	Mars Landing Project	9/29/2011	11/26/2011	320			15.24	160.00	144.76		
<input type="checkbox"/>	EST-0066	Report Definition Builder/Editor needed	9/29/2011	11/26/2011	320			15.24	160.00	144.76		
<input type="checkbox"/>	EST-0063	Billing	10/1/2011	11/28/2011	320				163.90	156.10		
List Name : Resource Pool (4)							-184.62	-212.31	-203.08	-284.31	-297.85	-297.85
Role : Executive (3)							-3.69	-4.25	-4.06	-11.08	-162.46	-162.46
Role : Project Assurance (1)							-70.77	-81.38	-77.85	-74.31	-77.85	-77.85

6 Portfolio Management: What-if Forecasting

A BrightWork Portfolio is a special type of Project Office that only reports on the sites that you add to it. This is great for creating reporting portfolios of projects that make sense to you; however, you can also use a Portfolio for what-if forecasting.

Note: In this section we will not get you to do any exercises. We will just explain the possibilities and get you to visit an example.

6.1 Scenarios

BrightWork Portfolios support two possible what-if forecasting scenarios:

- Portfolio with Placeholder Sites
- Portfolio with Forecast Manager

6.1.1 Portfolio with Placeholder Project Sites

In this scenario, you have a number of proposed projects, but they warrant more detailed investigation and estimation than is offered by the Resource Estimate list in the Project Forecast Manager template described above.

With the Portfolio approach, you create a placeholder project site, with a WBS and also add estimates for the tasks in the WBS.

You then add these placeholder project sites to a Portfolio. Turning these projects on and off in the Portfolio enables you to visualize the impact the projects would have on your resources.

6.1.2 Portfolio with Forecast Manager

In the second scenario you could use the Portfolio to report on all the current projects, but also include the Project Forecast Manager site in the Portfolio.

You could of course also have an element of the first scenario included, i.e. include some project sites that contain estimates only and turn them on and off to see the impact they would have.

You can see an example of a Portfolio site, that also includes a Project Forecast Manager site here:

<http://sp2010.brightworkdemo.com/sites/pmpoint/Portfolios/ppm/default.aspx>

The following screenshot shows existing projects combined with a Project Forecast Manager template. This Portfolio has been customized to emphasize Resource Reports and to better facilitate dynamic changes. For example, the Portfolio Projects view has inline editing enabled, so you can edit the items in the view. There is also a Refresh Report button.

The screenshot displays the 'Portfolio Projects' section with a table for adding or editing project entries. Below this is the 'Resource Usage' section, which contains a detailed resource usage table for the years 2011 and 2012.

	Reference	Title	Start Date	Finish Date	Work	2011						2012	
						Jul/2011	Aug/2011	Sep/2011	Oct/2011	Nov/2011	Dec/2011	Jan/2012	Feb/2012
<input type="checkbox"/>	Assigned To : Alex Hankin (3)					-141.54	-154.07	35.61	-148.62	-155.69	-155.69		
<input type="checkbox"/>	Assigned To : Anne Wallace (18)					232.49	193.07	184.68	-11.82	-12.38	-26.03	92.00	
<input type="checkbox"/>	Assigned To : Christine Chang (10)					-3.69	-4.25	-4.06	-11.08	-162.46	-162.46	9.00	22.00
<input type="checkbox"/>	Assigned To : Jim Corbin (17)					12.31	-6.29	9.22	17.85	-4.16	-148.92	47.00	32.00

7 Summary and Next Steps

Congratulations on completing the Demand Management with BrightWork training guide.

7.1 Summary

With this guide, you have seen that BrightWork enables you to:

1. Track requests for new projects in a simple Project Requests list added to a Project Office.
2. Track requests with goal mapping, supporting documents and notification workflows in the semi-structured Project Request Manager site template.
3. Track requests as in the Project Request Manager site template, but also move to a fully structured model that includes Resource Estimates, Resource Pool and associated Reports, using the Project Forecast Manager template.
4. Perform what-if analysis using a BrightWork Portfolio, with the option of including Project Forecast Manager.

7.2 Next Steps

Please do contact us about further training and support or so we can talk through and perhaps do a personal live demo showing how BrightWork can meet your specific work and project management needs. Any questions whatsoever can be addressed to info@brightwork.com.

You should also explore TrialZone Sample at <http://sp2010.brightworkdemo.com/sites/BrightWork/default.aspx>.

7.3 Feedback

Please send any feedback you would like to share with us about this guide, or the templates you exercised in this guide, to feedback@brightwork.com.