

MICHIGAN STATE
UNIVERSITY

Alpha Presentation

Business Approval System

[The Capstone Experience](#)

Team Dow

Joe Amenta
John Furcean
Joe Langford

Department of Computer Science and Engineering
Michigan State University

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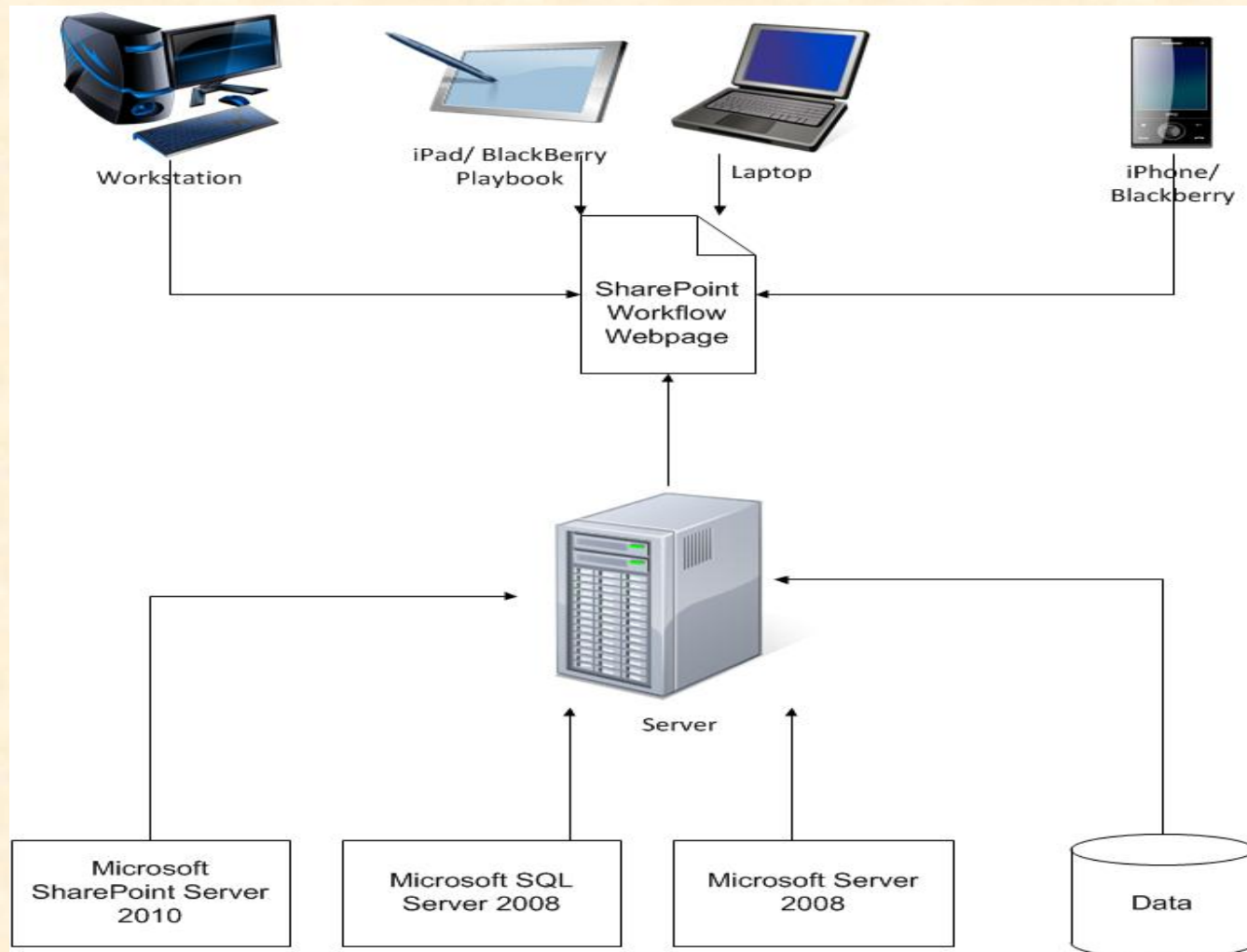
*From Students...
...to Professionals*

Project Overview

- Reusable SharePoint Approval Workflow
- Device Agnostic
- Applied to Dow's Spending Delegation of Authority Process
- Flows through approvers from lowest level to highest level until approved or rejected



System Architecture



List of Approvers

Username	business1	business2	business3	orderOf
TEAMDOW-SERVER\amentajo NEW	Performance Systems	Automotive Systems		1
TEAMDOW-SERVER\dow NEW	Performance Systems	Automotive Systems		2
TEAMDOW-SERVER\angfor6 NEW	Performance Systems	Automotive Systems		3
TEAMDOW-SERVER\urceanj NEW	Performance Systems	Automotive Systems		4



Adding Approver

Approvers - New Item

Edit

Save Cancel Paste Copy Attach File Spelling

Commit Clipboard Actions Spelling

Username * Houston, Sam

business1 Performance Systems

business2 Dow Wire & Cable

business3

orderOf 1

Save Cancel



New Request

Shared Documents - Spending Request

Edit

Save Cancel Paste Cut Copy Delete Item

Commit Clipboard Actions

i The document was uploaded successfully. Use this form to update the properties of the document.

Name *

Title

Created at 2/20/2011 8:07 PM by [Joe Amenta](#)
Last modified at 2/20/2011 8:07 PM by [Joe Amenta](#)

Save Cancel



Request Added

The screenshot displays a SharePoint document library interface. At the top, there is a navigation bar with 'Site Actions', 'Browse', and 'Library Tools' (containing 'Documents' and 'Library'). The user 'Joe Amenta' is logged in. The breadcrumb path is 'Home > Shared Documents > All Documents'. Below this, there is a search bar and a 'Search this site...' field. The main content area shows a table with columns: Type, Name, Modified, Modified By, Document Status, Assignee, and Business Approval Process. A single document, 'Spending Request', is listed with a 'NEW' icon, modified on 2/20/2011 at 8:12 PM by Joe Amenta, with a status of 'Pending', assigned to TEAMDOW-SERVER\amentajo, and in the 'In Progress' stage. Below the table is an 'Add document' button. The left sidebar contains navigation options for Libraries, Lists, and Discussions.

Type	Name	Modified	Modified By	Document Status	Assignee	Business Approval Process
	Spending Request NEW	2/20/2011 8:12 PM	Joe Amenta	Pending	TEAMDOW-SERVER\amentajo	In Progress

[Add document](#)



Approving Request

Shared Documents - Spending Request

Edit

Save Cancel Paste Cut Copy Delete Item

Commit Clipboard Actions

Name *

Title

Document Status

Assignee

Created at 2/20/2011 8:07 PM by [Joe Amenta](#)
Last modified at 2/20/2011 8:09 PM by [Joe Amenta](#)

Save Cancel



Next Approver

The screenshot displays a SharePoint document library interface. At the top, there is a navigation bar with 'Site Actions', 'Browse', 'Documents', and 'Library' tabs. The user 'Joe Amenta' is logged in. The breadcrumb path is 'Home > Shared Documents > All Documents'. Below the breadcrumb, there is a search bar and 'I Like It' and 'Tags & Notes' icons. The main content area shows a table with columns: Type, Name, Modified, Modified By, Document Status, Assignee, and Business Approval Process. A single document is listed: 'Spending Request' (marked as NEW), modified on 2/20/2011 at 8:10 PM by Joe Amenta, with a status of 'Pending', assigned to 'TEAMDOW-SERVER\dow', and in the 'In Progress' business approval process. A '+ Add document' link is visible below the table. On the left, a navigation pane lists various site features like 'Libraries', 'Site Pages', 'Approval Forms', 'Drop Off Library', 'Lists', 'Calendar', 'Tasks', 'Approvers', 'Discussions', 'Team Discussion', 'Recycle Bin', and 'All Site Content'.

Type	Name	Modified	Modified By	Document Status	Assignee	Business Approval Process
	Spending Request NEW	2/20/2011 8:10 PM	Joe Amenta	Pending	TEAMDOW-SERVER\dow	In Progress



Rejecting Request

Shared Documents - Spending Request

Edit

Save Cancel Paste Cut Copy Delete Item

Commit Clipboard Actions

Name *

Title

Document Status

Assignee

Created at 2/20/2011 8:12 PM by [Joe Amenta](#)
Last modified at 2/20/2011 8:13 PM by [Joe Amenta](#)

Save Cancel



Request Rejected

The screenshot shows a SharePoint document library interface. At the top, there is a navigation bar with 'Site Actions', 'Browse', and 'Library Tools' (Documents, Library). The breadcrumb path is 'Home > Shared Documents > All Documents'. Below the breadcrumb, there is a search bar and a 'Search this site...' field. The main content area displays a table with columns: Type, Name, Modified, Modified By, Document Status, Assignee, and Business Approval Process. A single document is listed: 'Spending Request' (NEW), modified on 2/20/2011 at 8:14 PM by 'Dow', with a status of 'Rejected', assigned to 'TEAMDOW-SERVER\dow', and a 'Completed' business approval process. A '+ Add document' link is visible below the table. The left sidebar contains navigation options: Libraries, Site Pages, Shared Documents, Approval Forms, Drop Off Library, Lists, Calendar, Tasks, Approvers, Discussions, Team Discussion, Recycle Bin, and All Site Content.

Type	Name	Modified	Modified By	Document Status	Assignee	Business Approval Process
	Spending Request NEW	2/20/2011 8:14 PM	Dow	Rejected	TEAMDOW-SERVER\dow	Completed



What's left to do?

- Custom-tailor mobile and tablet views
- Creating workflow task
- Workflow history
- Improve e-mail notifications
- Restrict viewing permissions
- Extensive testing

