

Web-based Application UI Mockups: CoCreate Software, Inc.

Using design mockups to improve usability and speed development

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All mockups were designed for CoCreate Software, Inc. during my employment there, working on software interface design for “Project Workspace,” a Web-based application.

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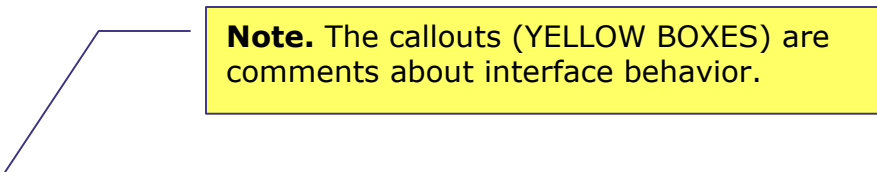
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Project Workspace: Working with tasks

In this project I worked onsite with a team in Colorado and remotely with a team in Los Angeles to develop new collaboration software that engineering teams could use over the Internet. We followed Extreme Programming practices (Iterative Design for Usability) that involved:

- Working in 2-week iterations.
- Documenting user stories for each iteration. Each user story described a specific task users needed to perform with the software.
- Developing mockups of every screen involved in a particular task (user story).
- Identifying error conditions and the appropriate error messages.
- Developing the software to allow users to accomplish the tasks in the user stories.
- Writing and performing acceptance tests at the end of each iteration to verify the user task could easily be performed.

The next slides show selected mockups of screens a user would encounter when attempting to view, edit, or create work tasks. In addition, I show error conditions that might occur.



Note. The callouts (YELLOW BOXES) are comments about interface behavior.

1. View tasks associated with a project

4



[My Home Page](#)

Pull-down list is:
Description
Owner First Name
Owner Last Name
Subject

Search projects for:

abcde

Go

[Up](#)

[Create Task](#)

[Delete Task](#)



[meeting_center](#)

Project Explorer

My Home Page

My Projects

Alpha

Beta

Zorro

Project Team

Discussions

Project Files

Project Tasks

Project Meetings

Zorro: Project Tasks

Select Tasks:

All

Not Started

In Progress

Completed

Find the task where

Owner First Name



contains

<string>

Go

(Must use * as a wildcard and ? as a single character replacement)

Default: Sort by
Task Subject

Search Results

Page 1 of 2

<input type="checkbox"/>	Task Subject	Owner	Start Date	Due Date	Status
<input type="checkbox"/>	Create Iteration 3 mockups	Nikhil Dhami Huey Ly Martha Roden	01/26/2004	01/30/2004	In Progress
<input type="checkbox"/>	Select designer	Martha Roden	12/16/2004	01//12/2004	Completed
<input type="checkbox"/>	Revise logo	Chris Liebman	01/10/2004		Not Started

< Previous Next >

2. View task details



[My Home Page](#)

Multiple owners appear in a comma-separated list, in alphabetical order (by last name)

Search projects for:

abcde

Go

View Task

Subject: Create Iteration 3 Mockups
Owner: Nikhil Dhami, Huey Ly, Martha Roden
Due date: Fri 1/30/2004 Status: In Process
Start date: Mon 1/26/2004 Priority: High

Description:
Martha needs to meet with Jeff W. to discuss Iteration 3 stories, make preliminary sketches for review, and then complete the mockups in time for the meeting in LA

Project Explorer

- My Home Page
- My Projects
 - Alpha
 - Beta
 - Zorro
- Project Team
- Discussions
- Project Files
- Project Tasks**
- Project Meetings

[Edit](#) [< Back](#)

Takes user to **Edit Task** page.
This button might be grayed out for Guests.

3. Edit task details: change owner



My Home Page

Note. When user completes task, do NOT send a notification

Search projects for:

abcde

Go

Edit Task

Multiple owners appear in a comma-separated list, in alphabetical list (by last name)

Project Explorer

- My Home Page
- My Projects
 - Alpha
 - Beta
 - Zorro
- Project Team
- Discussions
- Project Files
- Project Tasks**
- Project Meetings

Subject: Create Iteration 3 Mockups

Owner: Nikhil Dhami, Huey Ly, Martha Roden

Current owners are already selected.

- Sanjay Agarwal
- Nikhil Dhami**
- Huey Ly**
- Martha Roden**
- Jeff Wierenga

Select Owner

Must use a list to allow users to pick multiple owners. If project has less than 5 people, the list box will remain this size

Due date: Fri 1/30/2004

Status: In Process

Start date: Mon 1/26/2004

Priority: High

Description: Martha needs to meet with Jeff W. to discuss Iteration 3 stories, make preliminary sketches for review, and then complete the mockups in time for the meeting in LA

By default, **Start Date** is the date the task was created.

This returns user to the initial Project Tasks page.

OK Cancel

4a. Create a new task



My Home Page

See next page for details about items 1-4

Search projects for:
abcde

- Project Explorer**
- My Home Page
 - My Projects
 - Alpha
 - Beta
 - Zorro
 - Project Team
 - Discussions
 - Project Files
 - Project Tasks**
 - Project Meetings

Create Task

Subject:

Owner:

1

- <project_member1>
- <project_member2>
- <project_member3>
- <project_member4>
- <project_member5>

Select Owner(s)

Must use a list to allow users to pick multiple owners. If project has less than 5 people, the list box will remain this size

Due date: 2

Start date: 2

Status: 3

Priority: 4

Description:

4b. Lists and field details

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1. Owner field and list

Martha Roden

Sanjay Agarwal

Nikhil Dhani

Martha Roden

Jeff Thompson

Jeff Wierenga

The default owner is the user who creates the task. This field is not editable ... user must select from list to change the value(s) in the field.

User can select one owner

OR

User can use **Ctrl** key to select multiple non-contiguous owners

OR

User can use **Shift** key to select multiple contiguous owners

If a member is selected, user can click the member again to unselect them.

3. Pull-down list for Status

Not Started
In Process
Completed
Waiting on someone else
Deferred

Default Status is **Not Started**.

2. Calendar for Due date and Start date

January 2004

S	M	T	W	T	F	S
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7

Today None

Default Due Date and Start Date is today's date.

4. Pull-down list for Priority

Low
Normal
High

Default Priority is **Normal**.

5. Task permission matrix

User	Project Manager	Team Member
View table of tasks	See tasks assigned to anyone in your project	See list of tasks assigned to all members of the projects to which you belong
Open tasks	Open any task assigned to anyone in your project	Open ONLY tasks you created or are assigned to you
Edit tasks	Edit any task assigned to anyone in your project	Edit ONLY tasks you created or are assigned.
Create task	Create a task for anyone in your project	Create tasks for anyone in the project
Delete tasks	Delete ANY task assigned to anyone in your project	Delete any task you created

6. Error Conditions

User forgets to enter **Subject**

!Must enter a Subject

User forgets to enter **Owner**

!Must enter one or more Owners.

User enters incorrect **Due Date** or **Start Date:**

!Due Date cannot be earlier than Start Date.

!Start Date cannot be later than Due Date.