

# Functionality Guide

## User Management



The image shows a web application interface for 'Task Management'. It features a dark brown header with the text 'Task Management' in white. The main content area has a light beige background. In the center, there is a white login form with a dark border. The form contains the text 'Welcome!' at the top, followed by two input fields: 'Login Name:' and 'Password:'. Below these fields are two buttons: 'Sign In' and 'Sign Up'. At the bottom of the page, there is a dark brown footer with the text '© All rights reserved.' in white.

Task Management

Welcome!

Login Name:

Password:

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## User Registration

On the login page, users can select the "Sign up" button to navigate to the registration page. During registration, JavaScript will perform real-time format validation on the input fields. Upon successful registration, users will be automatically redirected to the login page.

## Task Management

### Create Your Account

\* Login Name:

Length of login name must be between 6 and 20.

\* Enter Password:

Length of password must be between 6 and 20.

\* Confirm Password:

The password should be the same both times

\* Email Address:

Please enter a valid email address.

First Name:

Last Name:

## User Login

If the username or password is incorrect, an error message will be displayed. Upon successful login, the page will redirect to the Task Management page.

# Task Management

## Task Display

When entering the Task Management page for the first time, JavaScript will automatically trigger the task query API and display the tasks on the page. Users can also use the filter bar at the top of the page for precise queries. Currently, tasks can be filtered by due date, priority, and status.

## Task Management

Priority ☐ High ☐ Middle ☐ Low

Status ☐ To Do ☐ In Progress ☐ Completed ☐ Paused ☐ Cancelled

yyyy-mm-dd

Search

| Select                   | Task ID | Task Name       | Due Date   | Priority | Status |
|--------------------------|---------|-----------------|------------|----------|--------|
| <input type="checkbox"/> | 4       | web assignment2 | 2024-11-30 | 0        | 0      |
| <input type="checkbox"/> | 5       | web assignment1 | 2024-11-29 | 2        | 2      |

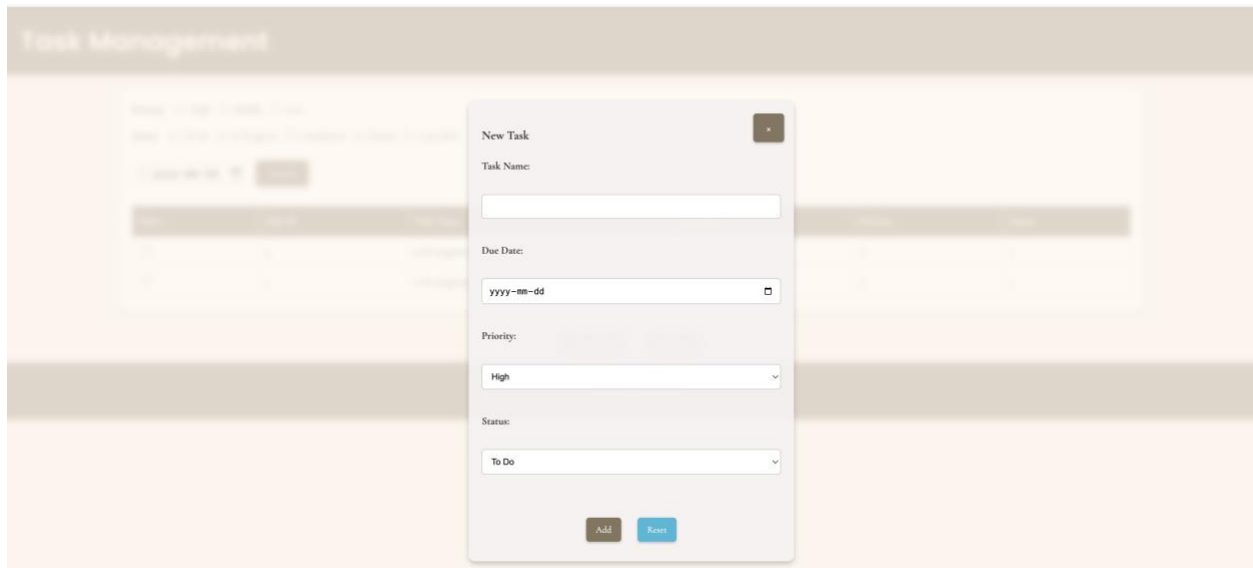
New Task

Update

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## Add Task

Clicking the "New Task" button will open a popup window in the center of the page, where users can fill in the details of the new task. After clicking the "Add" button, the task will be added, and the task list will be refreshed to display the latest tasks.

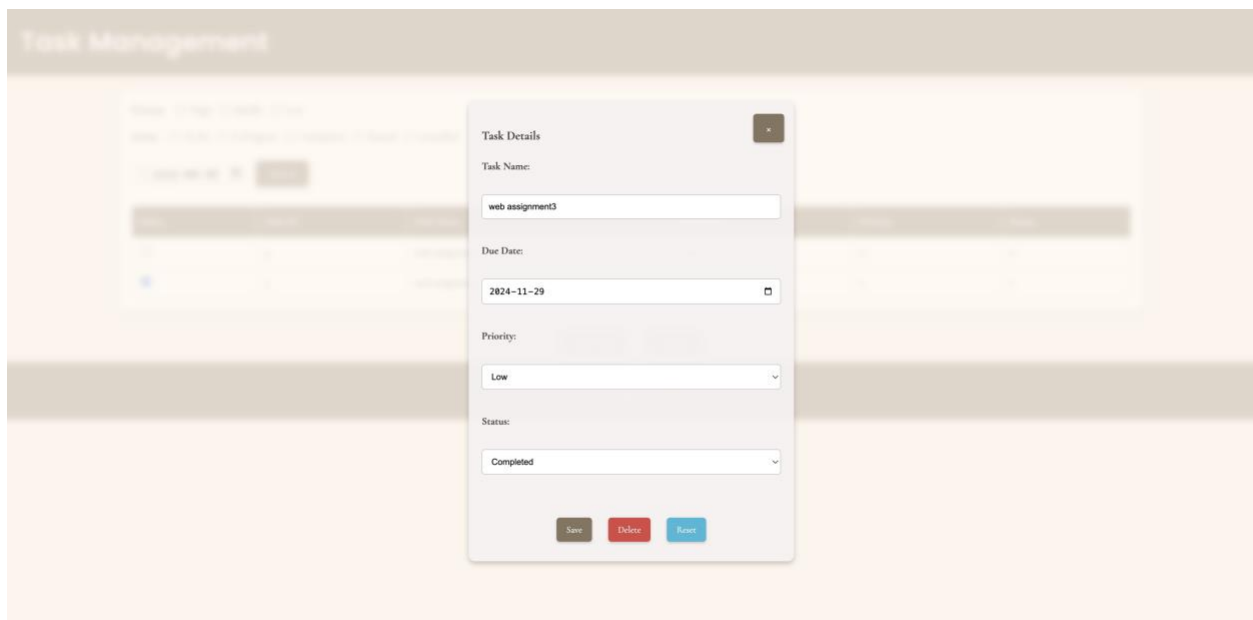


The screenshot shows a 'Task Management' application interface. A 'New Task' popup form is centered on the screen. The form has a title 'New Task' and a close button (X) in the top right corner. It contains the following fields and controls:

- Task Name:** A text input field.
- Due Date:** A date picker field showing 'yyyy-mm-dd'.
- Priority:** A dropdown menu with 'High' selected.
- Status:** A dropdown menu with 'To Do' selected.
- Buttons:** 'Add' (brown) and 'Cancel' (blue) buttons at the bottom.

## Update Task

JavaScript ensures that the "Update" button is only enabled when a single task is selected. When the button is enabled, clicking it will display a popup window in the center of the page. The popup will preload the task details for the user to edit. After making changes, the user can click the "Save" button to update the task.



The screenshot shows the same 'Task Management' application interface. A 'Task Details' popup form is centered on the screen, displaying preloaded task information. The form has a title 'Task Details' and a close button (X) in the top right corner. It contains the following fields and controls:

- Task Name:** A text input field containing 'web assignment3'.
- Due Date:** A date picker field showing '2024-11-29'.
- Priority:** A dropdown menu with 'Low' selected.
- Status:** A dropdown menu with 'Completed' selected.
- Buttons:** 'Save' (brown), 'Delete' (red), and 'Cancel' (blue) buttons at the bottom.

## Delete Task

Similar to task updates, the "Update" button is only enabled when a single task is selected. Once enabled, clicking the "Delete" button will delete the currently selected task.