

Web and Script Programming – Assignment 3

DeadlineDefender – Assignment/Task Manager

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Overview

DeadlineDefender is a simple web application for university and college students to keep track of all their course tasks and deadlines in one place.

Rather than scattered notes in notebooks, sticky notes, or multiple apps, the student can log each assignment or exam with the course name, due date, weightage, status, and urgency. The app then provides a clear dashboard displaying all upcoming tasks at a glance.

Target Users:

- Undergraduate/college students taking multiple courses.
- Especially helpful for students balancing full course loads, work, and family.

Problems they face:

- Forgetting smaller quizzes or bonus assignments.
- Losing track of how much each assignment is worth (weightage).
- Not knowing which tasks are most urgent.
- Using many different tools (paper, Notes app, calendar) instead of one place.

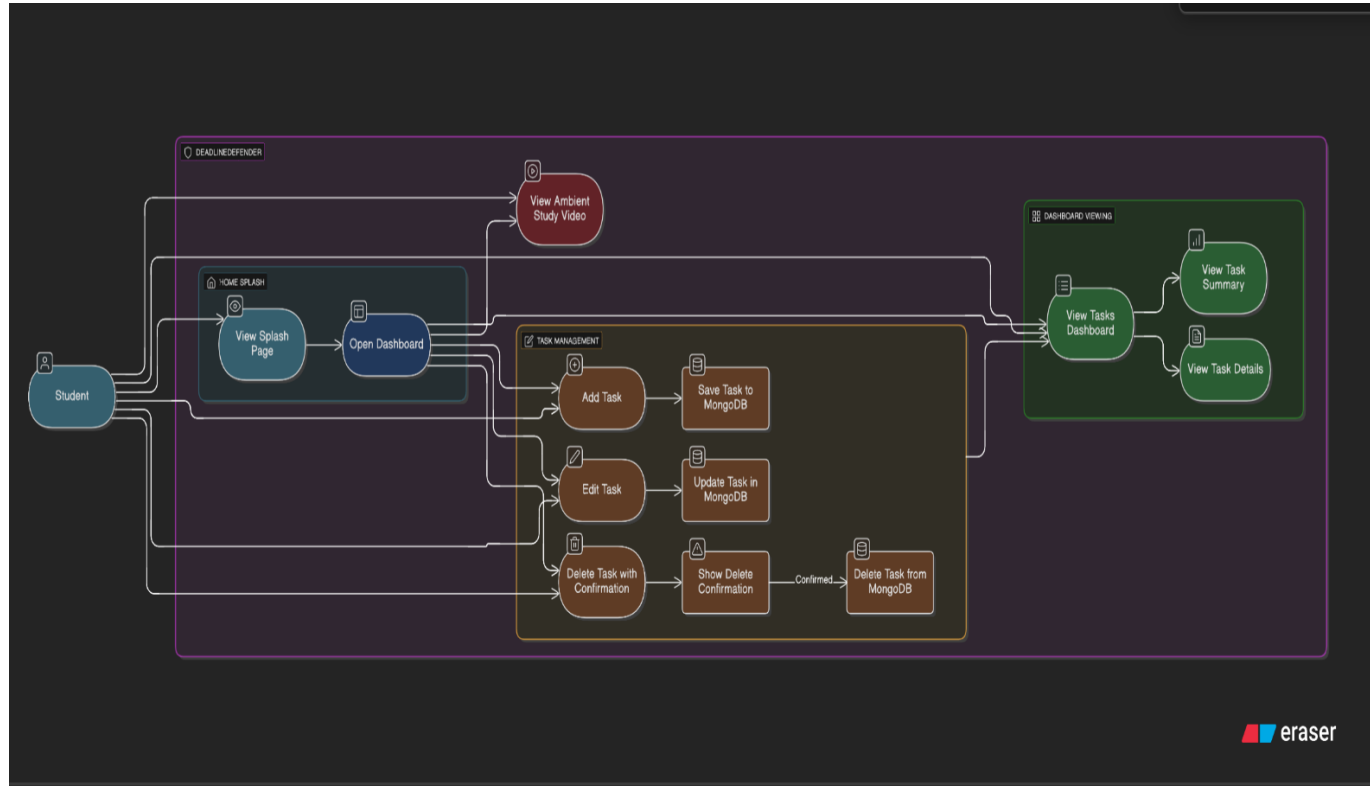
3.Objectives

- Provide a single, unified dashboard that displays all academic tasks across all courses.
- Make it fast and simple for students to **add**, **edit**, or **delete** tasks without confusion.
- Display assignment **weightage (%)** so students can easily identify high-value tasks that require more attention.

- Use progress statuses (“Not Started”, “In Progress”, “Completed”) to help students visually track their workflow.
- Include urgency levels (Low / Medium / High) so students can prioritize based on deadlines or difficulty.
- Maintain a clean and motivating user interface, enhanced with soft animations to create a calm, productive atmosphere.
- Reduce cognitive stress by incorporating subtle ambient elements (background imagery, gentle motion) that make the platform visually relaxing, especially during periods of academic pressure.

4. UML Diagram for Main Features of DeadlineDefender

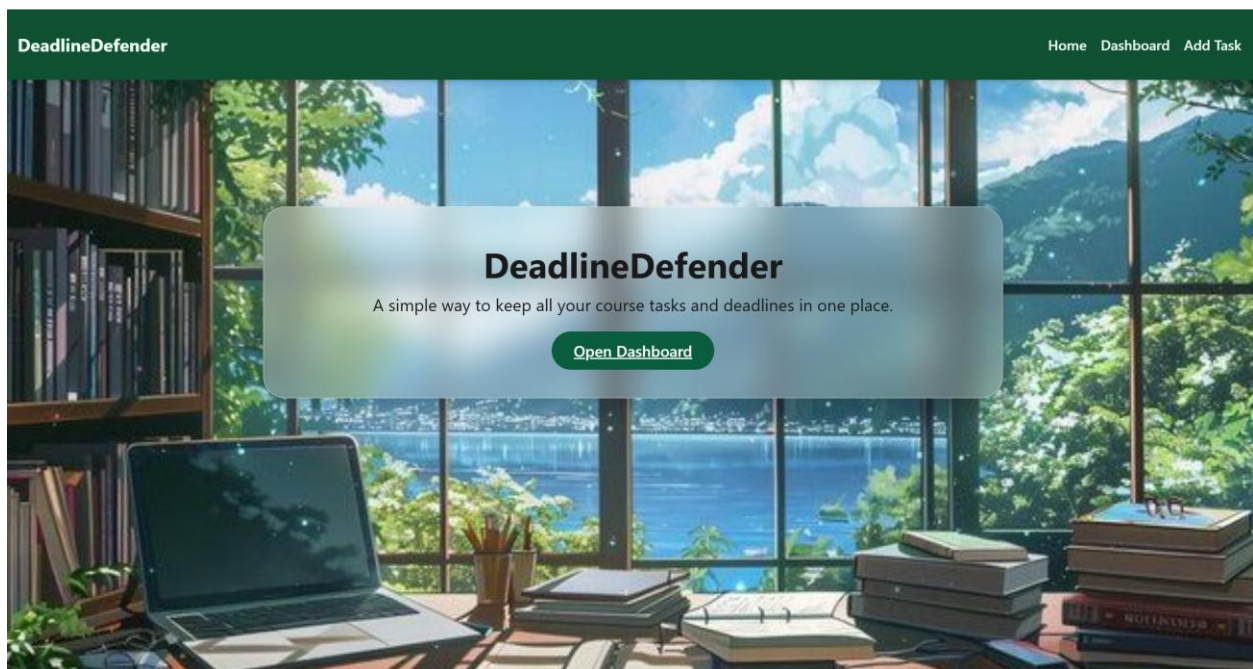
The main features of DeadlineDefender are summarized using the UML use case diagram. The primary actor is a Student, who can open the app from the splash page, view the tasks dashboard, add new tasks, edit existing ones, delete tasks, and view summary statistics.



7. User Flow

1. User opens the Home page → sees splash image and “Open Dashboard”.
2. Clicks Open Dashboard → sees Tasks Dashboard with summary and table.
3. Clicks Add Task → fills form → submits → task saved to MongoDB.
4. From Dashboard, user can:
 - Click Edit → update task → save.
 - Click Delete → see confirmation → confirm → task removed.
5. Dashboard updates automatically with the new list and updated counts.

Home Page:



Tasks Dashboard:

DeadlineDefender


HomeDashboardAdd Task

Tasks Dashboard

Add Task

Total Tasks: 4 | Completed: 1 | In Progress: 2 | Not Started: 1

Course	Task	Details	Deadline	Weight (%)	Status	Urgency	Actions
object Oriented Programming	Bonus Assignment	Extra, not compulsory.	2025-11-16	2	Completed	Low	<div>EditDelete</div>
Web and Script	assignment 3	—	2025-11-21	14	In Progress	High	<div>EditDelete</div>
Advanced Networking	Final Theory Exam	6 modlues.	2025-11-27	15	Not Started	High	<div>EditDelete</div>
Stat for IT	Final Exam	—	2025-12-03	45	In Progress	High	<div>EditDelete</div>



Add Task:

DeadlineDefender

HomeDashboardAdd Task

Add New Task

Subject / Course

Task Name

Details (optional)

Deadline

yyyy-mm-dd

Progress

Not Started

Urgency level

Medium

Assignment Weightage (%)

e.g., 15

Save

Cancel

Delete Task:

Delete Assignment

Are you sure you want to delete this assignment?

- **Course:** Advance Networking
- **Title:** Final Theory Exam
- **Due Date:** 2025-11-26

[Yes, Delete](#)[No, Go Back](#)

Edit/Update Task:

Edit Task

Subject / Course

Task Name

Details (optional)

Deadline



Progress



Urgency level



Assignment Weightage (%)

[Update](#)[Cancel](#)