



TaskHub
(To-do list & Task Manager Web Application)

IN PARTIAL FULFILLMENT
OF THE REQUIREMENTS FOR THE DEGREE
OF BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Members:
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Description

Task Hub is a versatile web application designed to streamline task management, ensuring a seamless experience for users looking to organize their daily activities efficiently. With its intuitive interface, users can easily create and list down their tasks for the day, making it an indispensable tool for individuals seeking enhanced productivity and organization.

Task Hub goes beyond traditional to-do lists by offering a robust task management system. Users have the ability to assign tasks to different individuals, fostering collaboration and teamwork. A distinctive feature of Task Hub is that only the person who assigns a task holds the privilege to edit it, ensuring accountability and maintaining the integrity of task information. This exclusive editing capability provides a clear structure for task ownership and progression.

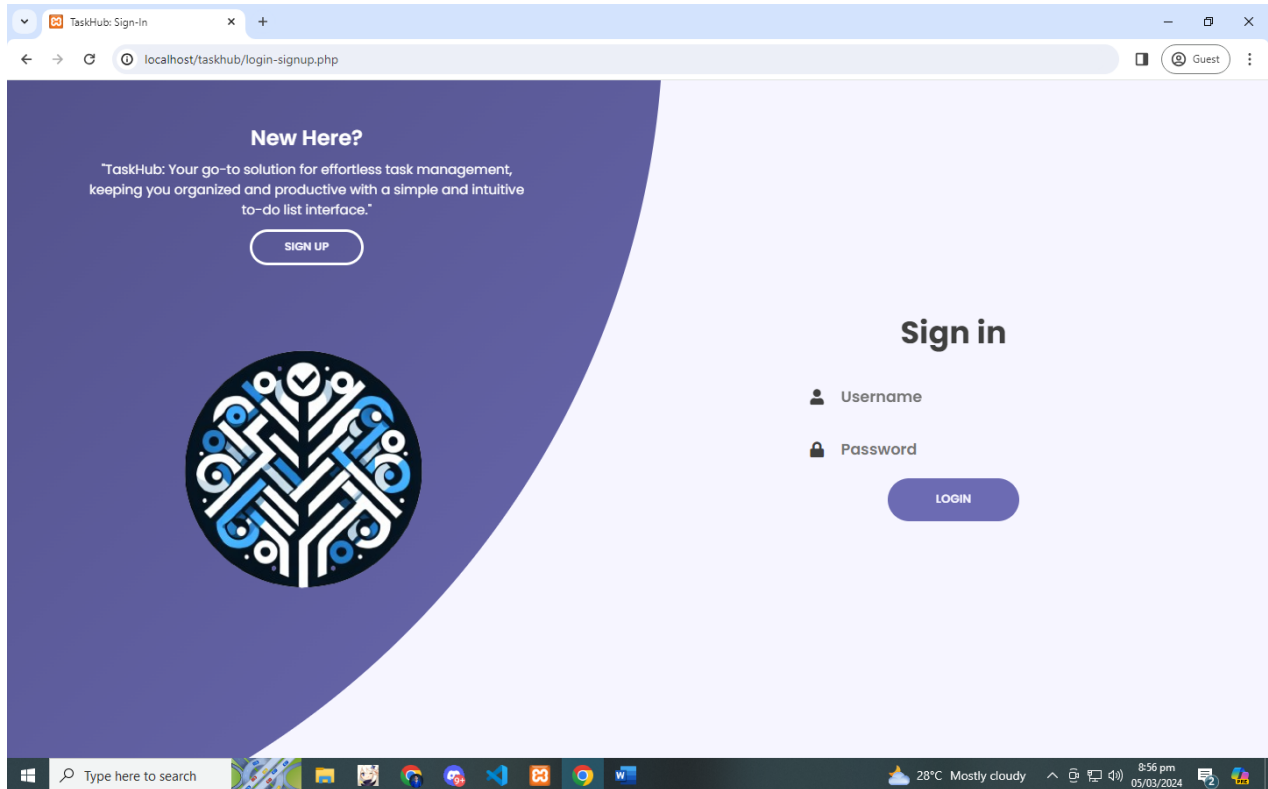
Navigating Task Hub is a breeze, thanks to its user-friendly interface. The application's design prioritizes simplicity, making it accessible to users of all technical backgrounds. The streamlined process of creating tasks and assigning them to specific individuals enhances the overall user experience, transforming task management into a seamless and enjoyable process.

Task Hub is not just a task list; it's a collaborative platform designed to boost efficiency and encourage teamwork. By enabling users to assign tasks to other fellow users, the application facilitates clear communication and ensures that responsibilities are well-distributed. With Task Hub, managing tasks becomes an empowering and efficient process, leading to increased productivity and successful project completion.

Systems Functionality Description

Upon entering the Task Hub web application, users are seamlessly directed to the login page, providing existing users the opportunity to log in and new users the option to register by clicking the "Register Now" button.

1. Log-in page:



The registration process encompasses the input of essential personal details, including first name, last name, username, email, and password. A crucial element of this process involves users selecting a profile picture to represent them within the application. After a successful registration, users are prompted to go back to the login page and input their created account information to access the application.

2. Registration Page:

Sign up

Firstname

Lastname

Username

Email

Password

Re-enter Password

Select Profile Picture:

Choose File No file chosen

LOGIN

Already have an account?

TaskHub: Your go-to solution for effortless task management, keeping you organized and productive with a simple and intuitive to-do list interface.

SIGN IN

The homepage boasts an intuitive sidebar for quick navigation to various task-related functionalities. Users can effortlessly manage tasks through the "Create Task" feature, allowing them to input task details, select categories, assign priorities, and set due dates. Tasks are categorized based on priority levels (High, Medium, Low) and types (Work, Home, Coding, Others). The system organizes tasks into dedicated sections such as "All Tasks," "Today's Tasks," and "Next 7 Days Tasks," providing users with a comprehensive overview.

The sidebar offers additional functionalities:

Create Task:

Users can create tasks with a title, description, and assign it to a specific person. They can also set the task's category, priority level, and due date.

3. Create task:

The screenshot shows a web browser window with the URL `localhost/taskhub/main.php?page=create`. The page has a purple header with the TaskHub logo and a user profile. A left sidebar contains navigation links: 'Create New Task', 'All Tasks', 'Today', 'Next 7 Days', 'High Priority', 'Medium Priority', 'Low Priority', 'Work', 'Home', 'Coding', 'Others', 'Completed', and 'Past-due'. The main content area is a form titled 'Task Title' with a text input field. Below it is a 'Description' field with a larger text area. At the bottom, there are four dropdown menus: 'Category' (set to 'Work'), 'Due Date' (set to 'dd/mm/yyyy'), 'Priority Level' (set to 'High'), and 'Assign to' (set to 'Anna May Bote'). A 'Create' button is at the bottom right of the form.

All Tasks:

This button redirects users to a page displaying a comprehensive list of all tasks, including those assigned by others and those assigned to them. Key details such as task title, due date, and assigner's name are presented.

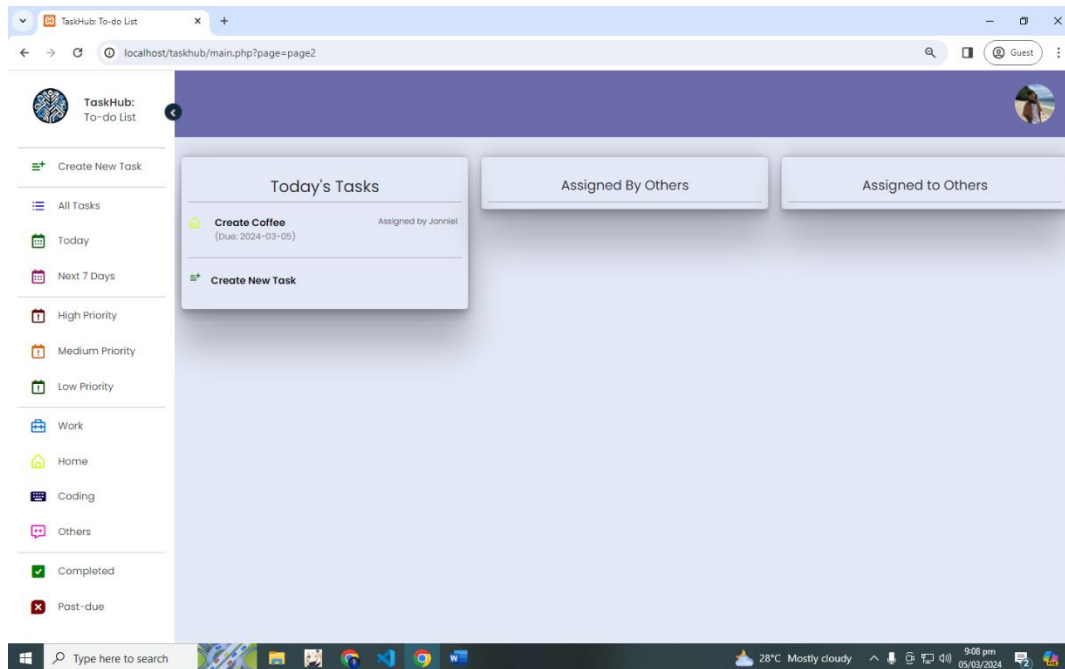
4.1 All Tasks page

The screenshot shows the 'All Tasks' page in the TaskHub application. The left sidebar is identical to the previous screenshot. The main content area is divided into three columns: 'All Tasks', 'Assigned By Others', and 'Assigned to Others'. The 'All Tasks' column lists five tasks: 'CST5/L Final Project' (Due: 2024-03-06, Assigned by Jonnie), 'Documentation on Financial Report' (Due: 2024-03-11, Assigned by Jonnie), 'Create Coffee' (Due: 2024-03-06, Assigned by Jonnie), 'Take a walk outside' (Due: 2024-03-19, Assigned by Jonnie), and a 'Create New Task' button. The 'Assigned By Others' column shows one task: 'Status Report' (Due: 2024-03-06, Assigned by Famiira). The 'Assigned to Others' column shows two tasks: 'Doing this for you' (Due: 2024-03-06, Assigned to Famiira) and 'Daily Exercise' (Due: 2024-03-07, Assigned to Famiira).

Today's Tasks:

Users can easily view tasks scheduled for the current day, helping them prioritize and manage their daily workload effectively.

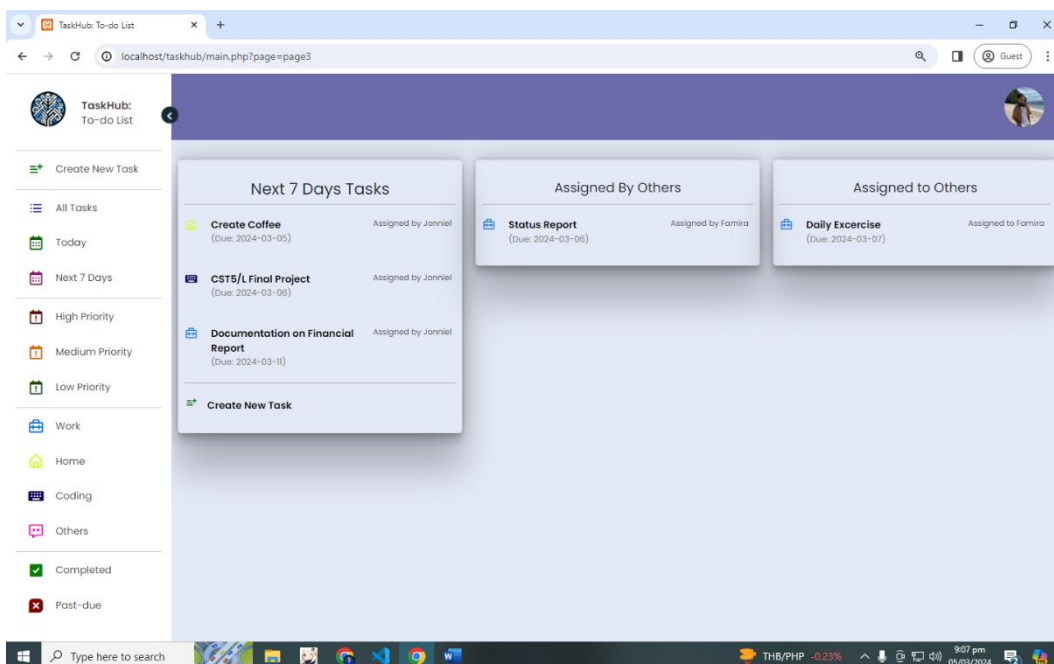
4.2 Tasks Today Page



Next 7 Days Tasks:

This section provides users with a glance at tasks due within the upcoming week, aiding in planning and preparation.

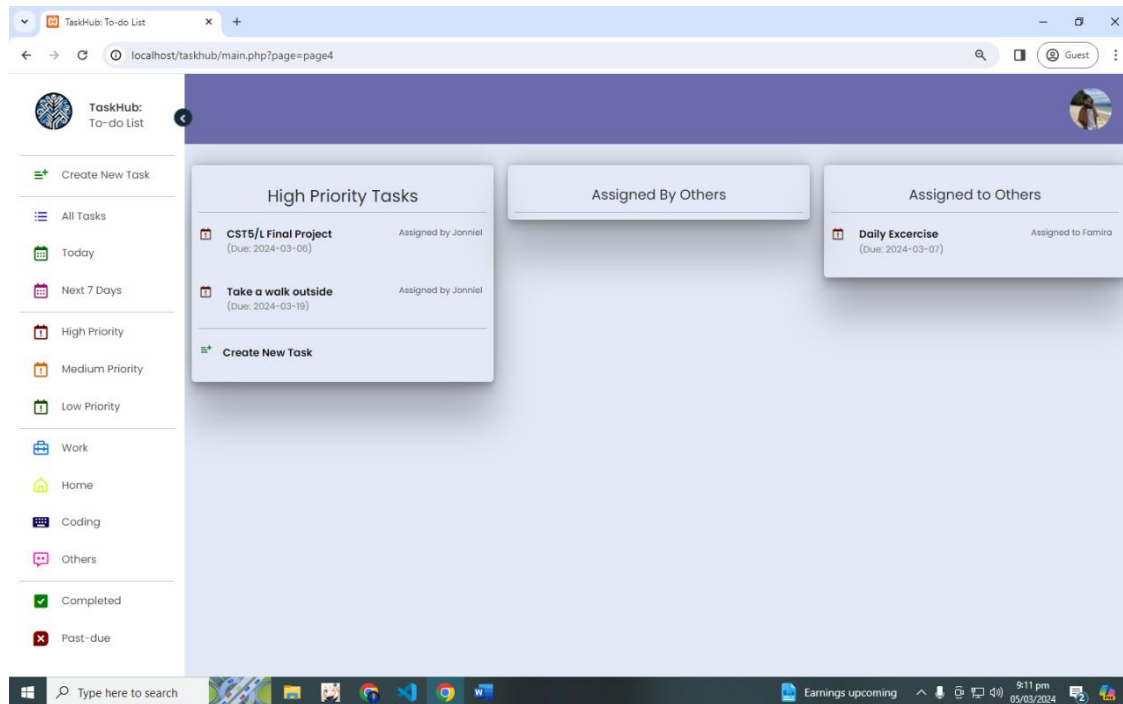
4.3 Next 7 Days Page



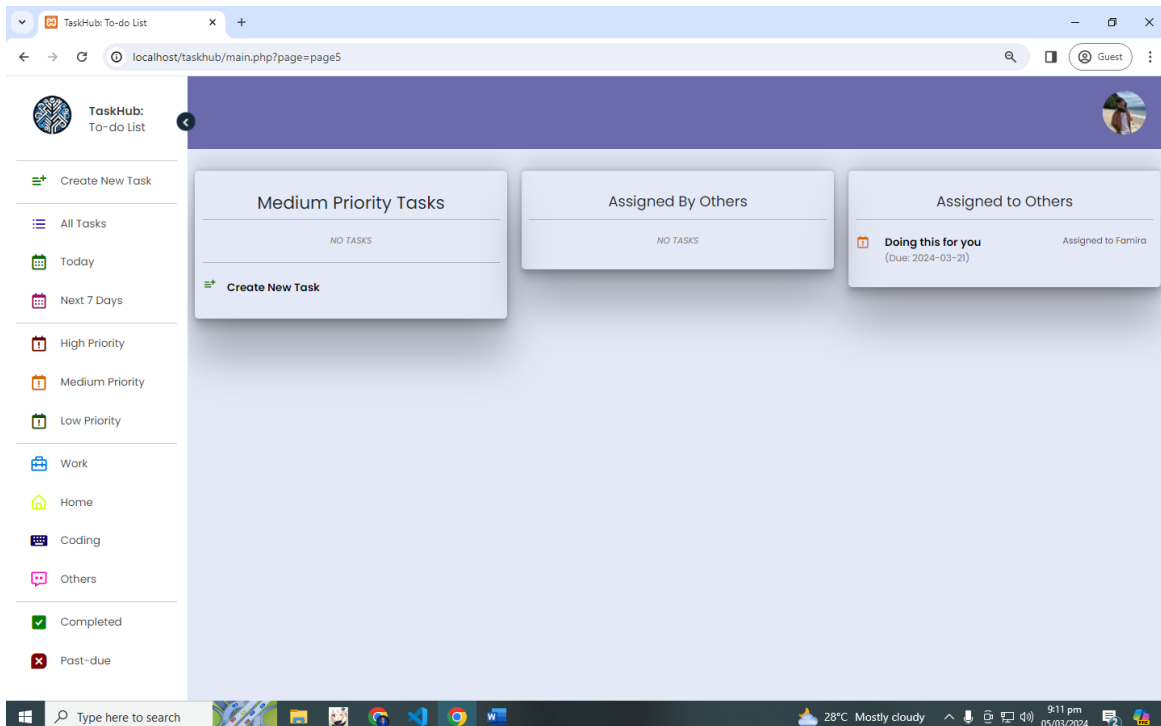
Priority Levels (High, Medium, Low):

Users can filter tasks based on priority levels, assisting in the identification and prioritization of high-priority tasks for efficient time management.

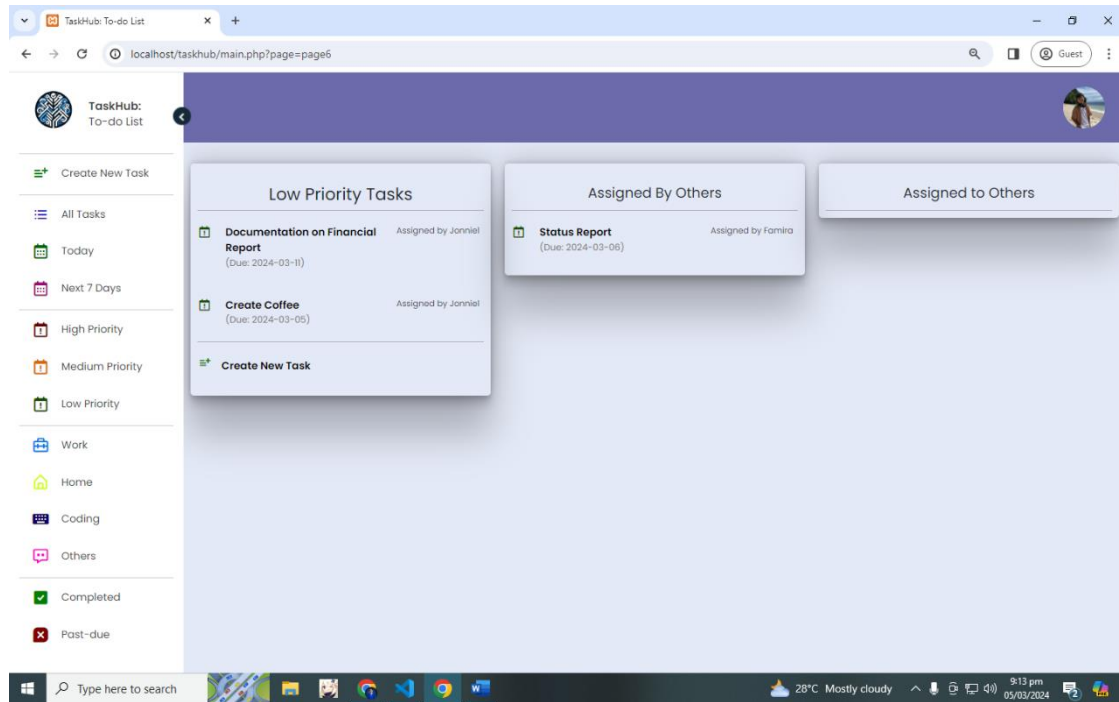
4.1 High Priority Tasks



4.2 Medium Priority Tasks



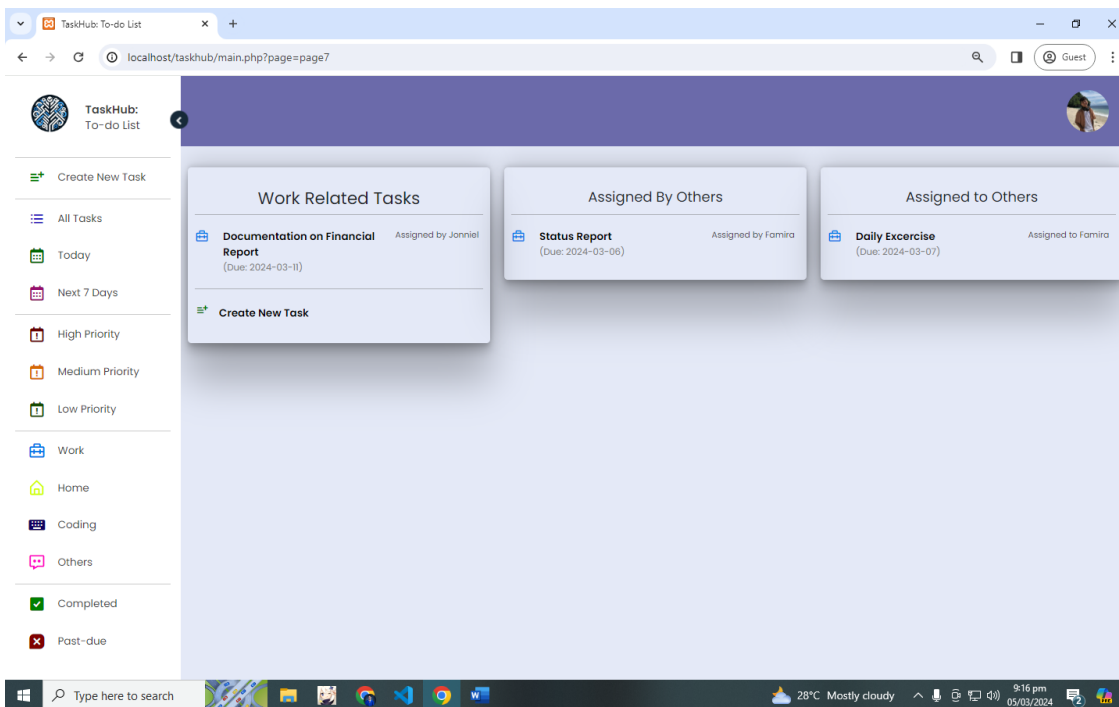
4.3 Low Priority Tasks



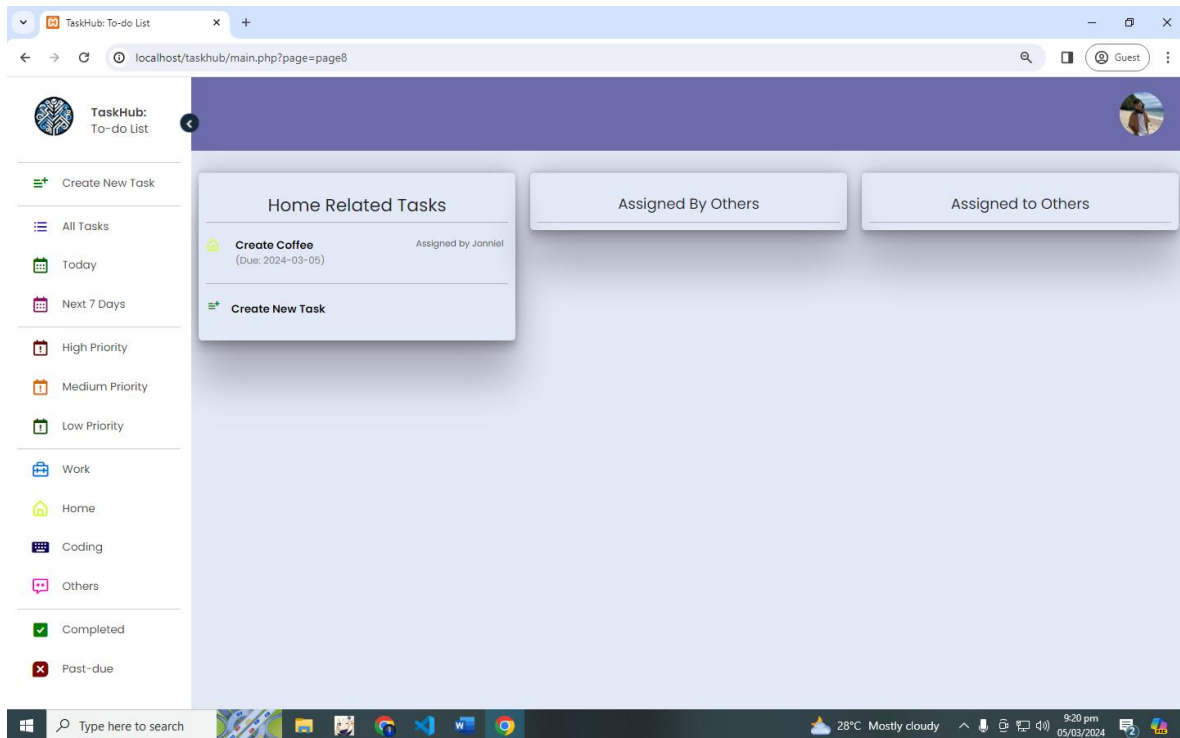
Categories (Work, Home, Coding, Others):

Users have the flexibility to categorize tasks based on type, allowing for a more organized and personalized task management experience.

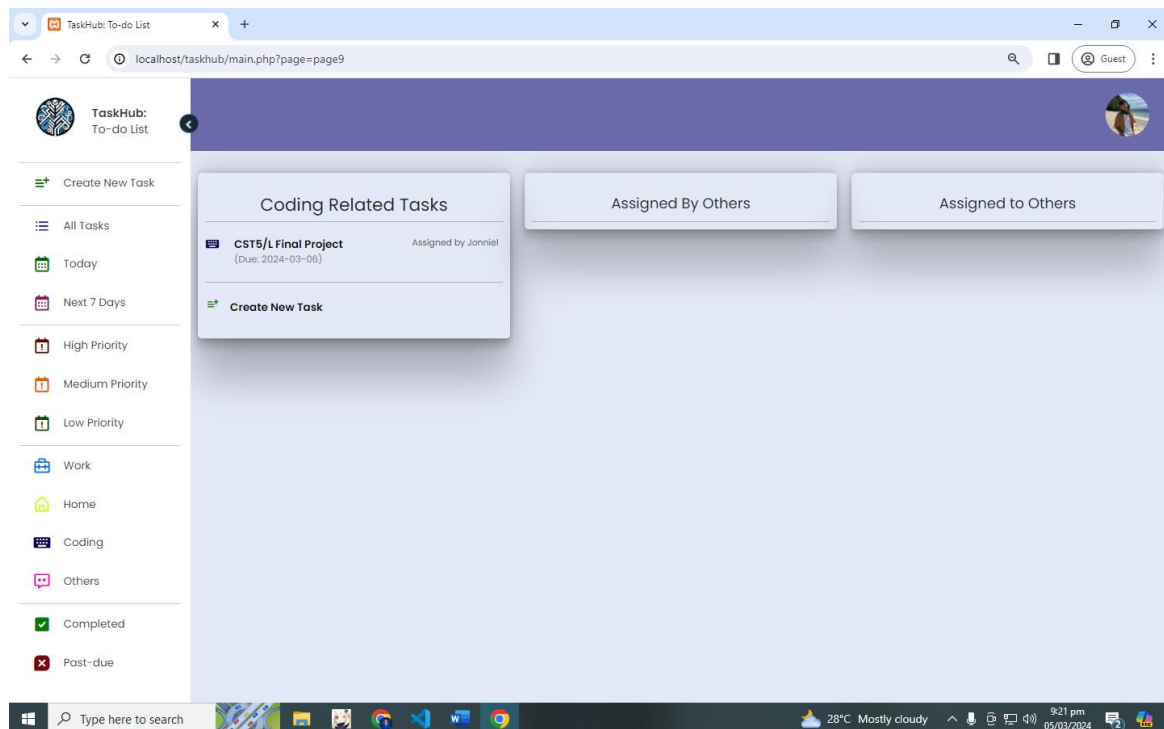
5.1 Work Related Tasks



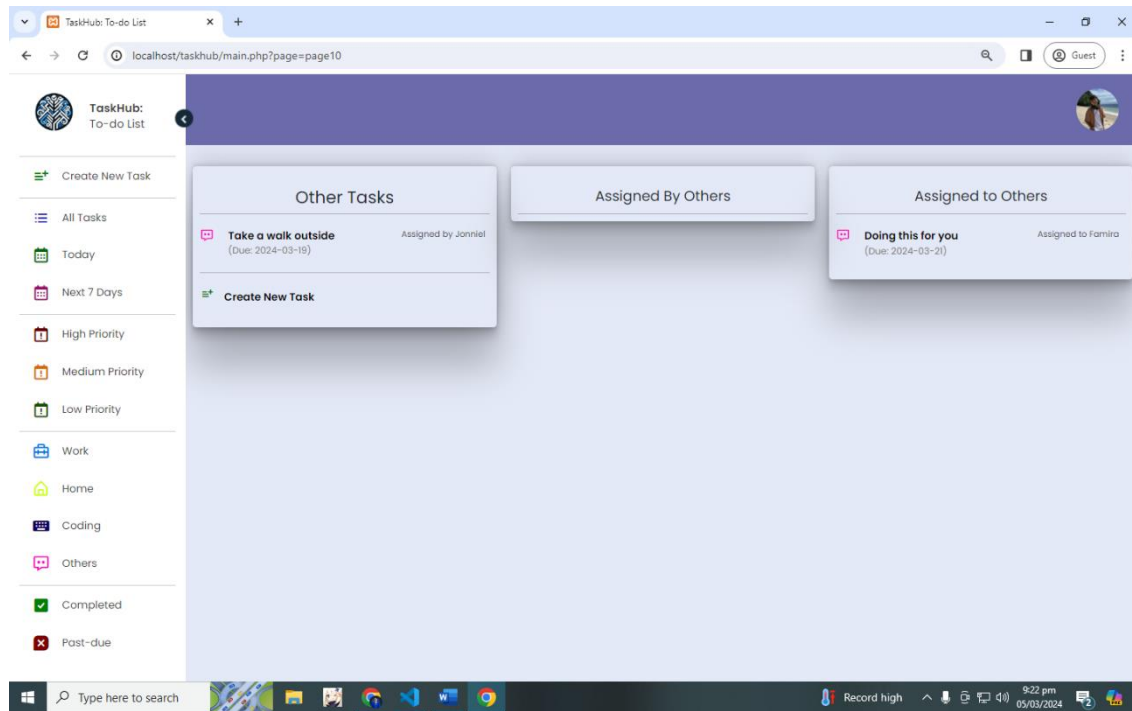
5.2 Home Related Tasks



5.3 Coding Related Tasks



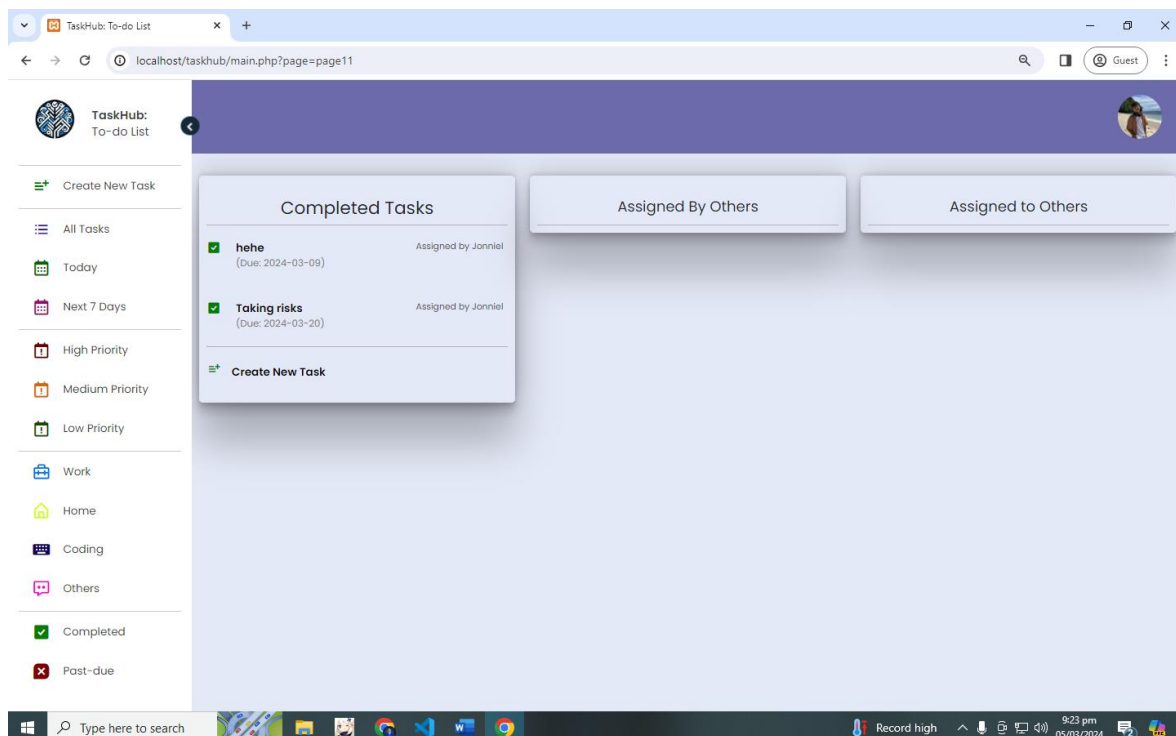
5.4 Other Tasks



Completed Tasks:

This section displays a list of tasks that users have marked as completed, providing a sense of accomplishment and a historical record of completed work.

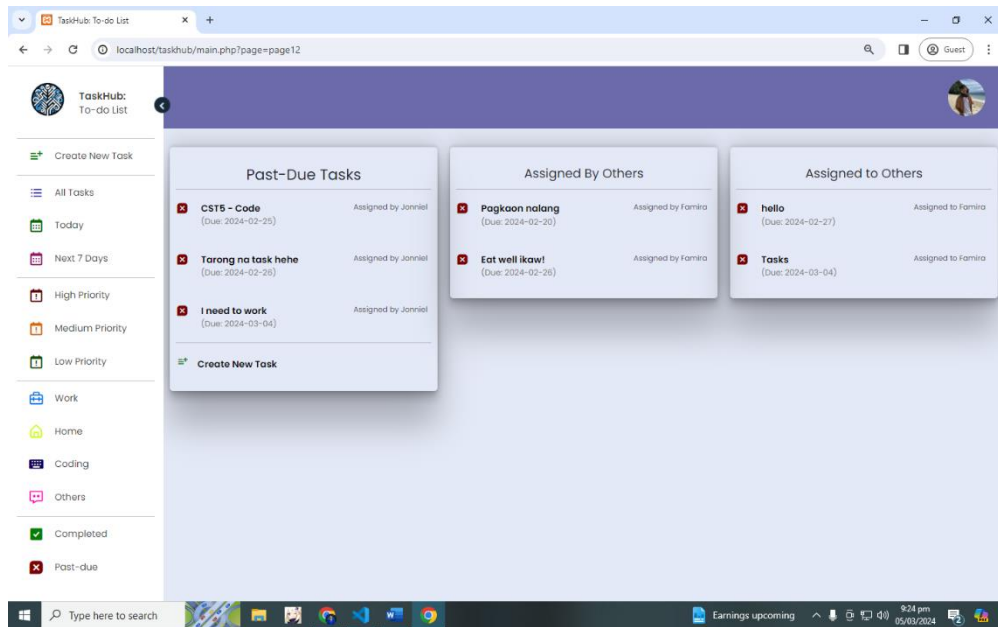
5. Completed Tasks



Past Due Tasks:

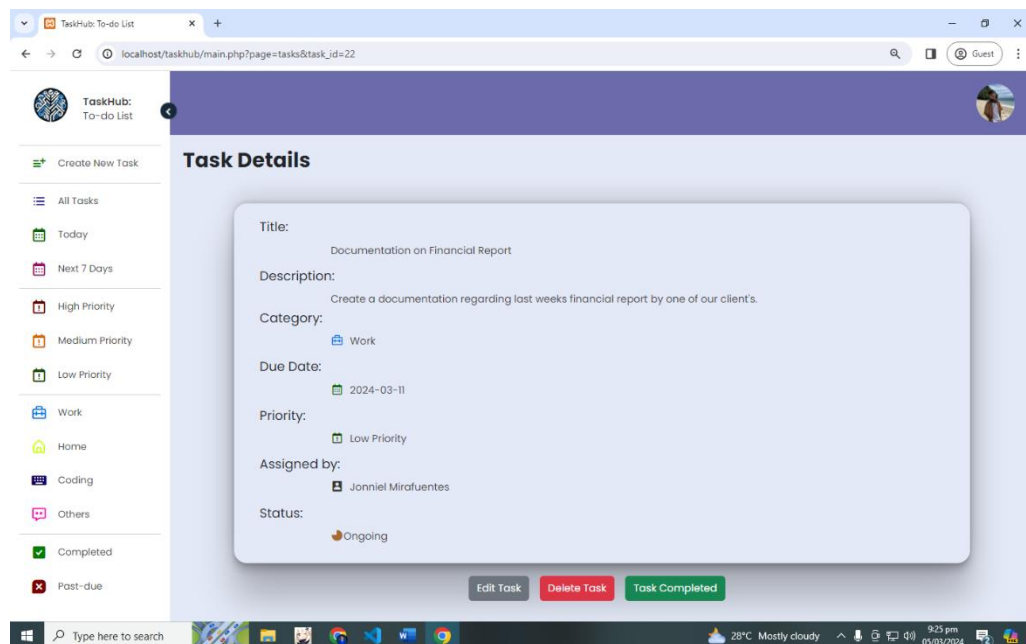
Users can easily track tasks that have surpassed their due dates but were not completed, facilitating follow-up actions and rescheduling.

6. Past-Due Tasks



Selecting an ongoing task redirects the user to the task detail page, where they can update the task status from ongoing to completed. The user also has the option to delete the selected task. If the task was assigned by a different user, only the assigner can edit the task and due date. However, if the user assigned the task to themselves, only the owner can edit the task details.

7.1 Task Details for Self-Assign



7.2 Task Details for Tasks Assigned by Others

The screenshot displays the TaskHub To-do List application in a web browser. The left sidebar contains navigation options: 'Create New Task', 'All Tasks', 'Today', 'Next 7 Days', 'High Priority', 'Medium Priority', 'Low Priority', 'Work', 'Home', 'Coding', 'Others', 'Completed', and 'Past-due'. The main content area, titled 'Task Details', shows the following information for a task:

- Title: Status Report
- Description: Create a Status Report
- Category: Work
- Due Date: 2024-03-06
- Priority: Low Priority
- Assigned by: Famira Catalan
- Status: Ongoing

At the bottom of the task details card, there are two buttons: 'Delete Task' (red) and 'Task Completed' (green). The browser's address bar shows the URL 'localhost/taskhub/main.php?page=tasks&task_id=5'. The system tray at the bottom indicates a temperature of 28°C, mostly cloudy weather, and the time 9:31 pm on 05/03/2024.

7.3 Tasks Details for Tasks Assigned to Others

The screenshot displays the TaskHub To-do List application in a web browser. The left sidebar contains navigation options: 'Create New Task', 'All Tasks', 'Today', 'Next 7 Days', 'High Priority', 'Medium Priority', 'Low Priority', 'Work', 'Home', 'Coding', 'Others', 'Completed', and 'Past-due'. The main content area, titled 'Task Details', shows the following information for a task:

- Title: Daily Exercise
- Description: 16X Push Ups 10X Jumping Jacks 1 km Run
- Category: Work
- Due Date: 2024-03-07
- Priority: High Priority
- Assigned by: Jonniel Mirafuentes
- Status: Ongoing

At the bottom of the task details card, there are three buttons: 'Edit Task' (grey), 'Delete Task' (red), and 'Task Completed' (green). The browser's address bar shows the URL 'localhost/taskhub/main.php?page=tasks&task_id=19'. The system tray at the bottom indicates a temperature of 28°C, mostly cloudy weather, and the time 9:30 pm on 05/03/2024.

7.4 Task Details for Completed Tasks

The screenshot displays the 'TaskHub: To-do List' web application. The left sidebar contains navigation links: 'Create New Task', 'All Tasks', 'Today', 'Next 7 Days', 'High Priority', 'Medium Priority', 'Low Priority', 'Work', 'Home', 'Coding', 'Others', 'Completed', and 'Past-due'. The main content area, titled 'Task Details', shows the following information for task ID 22:

- Title:** Documentation on Financial Report
- Description:** Create a documentation regarding last weeks financial report by one of our client's.
- Category:** Work
- Due Date:** 2024-03-11
- Priority:** Low Priority
- Assigned by:** Jonniel Mirafuentes
- Status:** Completed

The task is marked as 'Completed' with a green checkmark icon. The browser's address bar shows the URL 'localhost/taskhub/main.php?page=tasks&task_id=22'. The Windows taskbar at the bottom indicates the time is 9:33 pm on 05/03/2024.

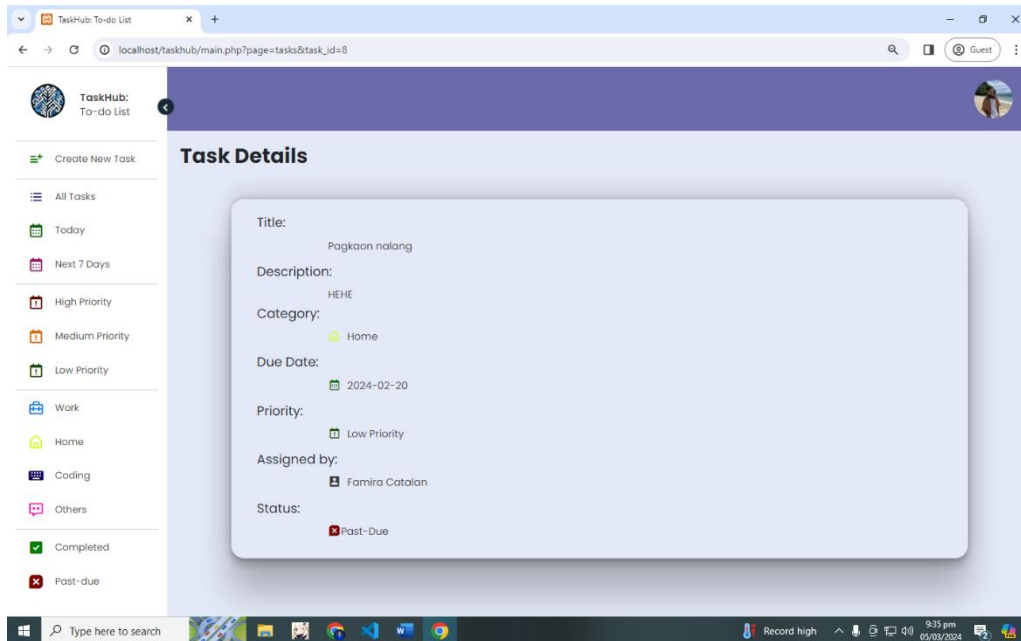
7.5 Past-Due Tasks for Self-Assign

The screenshot displays the 'TaskHub: To-do List' web application. The left sidebar contains navigation links: 'Create New Task', 'All Tasks', 'Today', 'Next 7 Days', 'High Priority', 'Medium Priority', 'Low Priority', 'Work', 'Home', 'Coding', 'Others', 'Completed', and 'Past-due'. The main content area, titled 'Task Details', shows the following information for task ID 1:

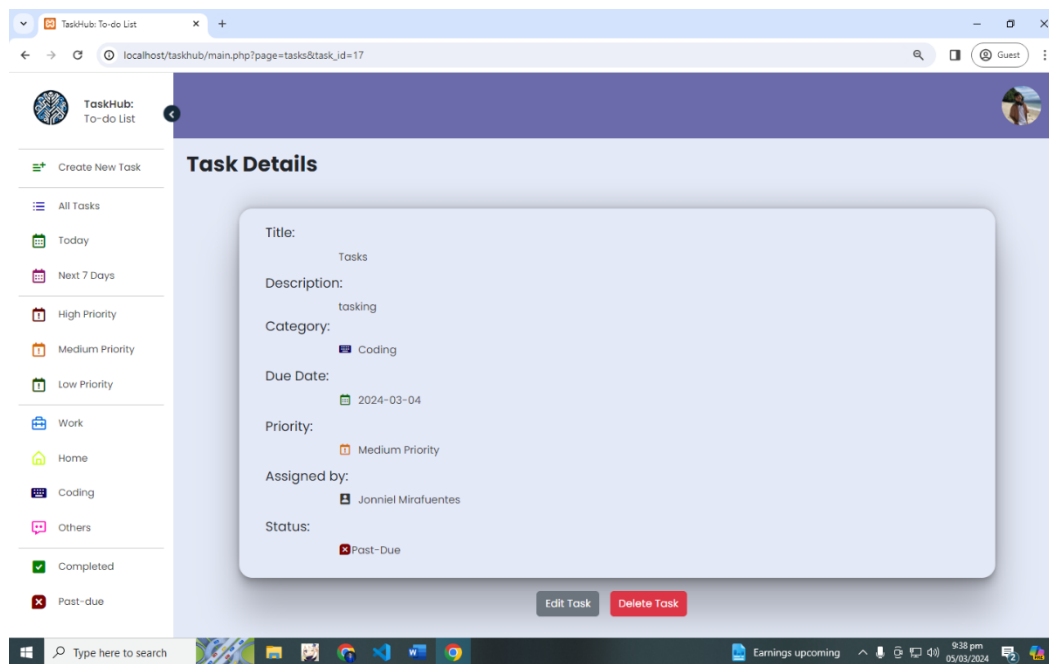
- Title:** CST5 - Code
- Description:** Check Blackboard learn for other details.
- Category:** Coding
- Due Date:** 2024-02-25
- Priority:** High Priority
- Assigned by:** Jonniel Mirafuentes
- Status:** Past-Due

The task is marked as 'Past-Due' with a red 'X' icon. At the bottom of the task details card, there are two buttons: 'Edit Task' and 'Delete Task'. The browser's address bar shows the URL 'localhost/taskhub/main.php?page=tasks&task_id=1'. The Windows taskbar at the bottom indicates the time is 9:37 pm on 05/03/2024.

7.6 Past-Due Tasks for Assigned by Others



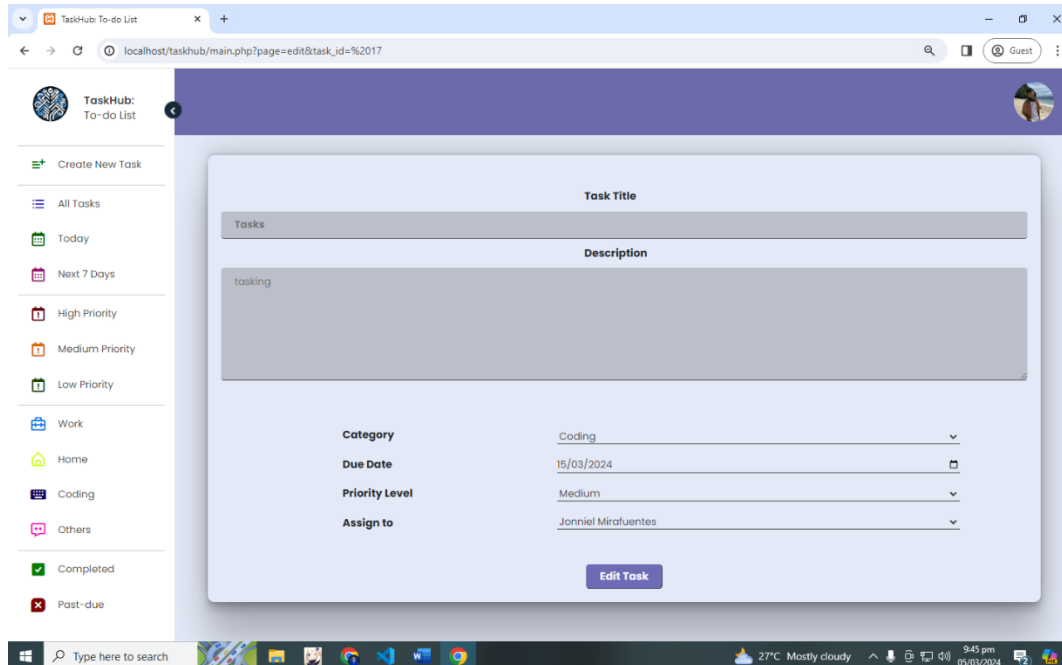
7.7 Past-Due Tasks for Assigned



The web application enables users to view completed tasks and those past due in specific sections. On the completed tasks there will be no buttons to edit delete nor change the task status. On the Past-due tasks on the other hand have different provided buttons depending on task assigned. Self-assigned tasks will have the edit and delete button. The assigned by others past-due tasks will not

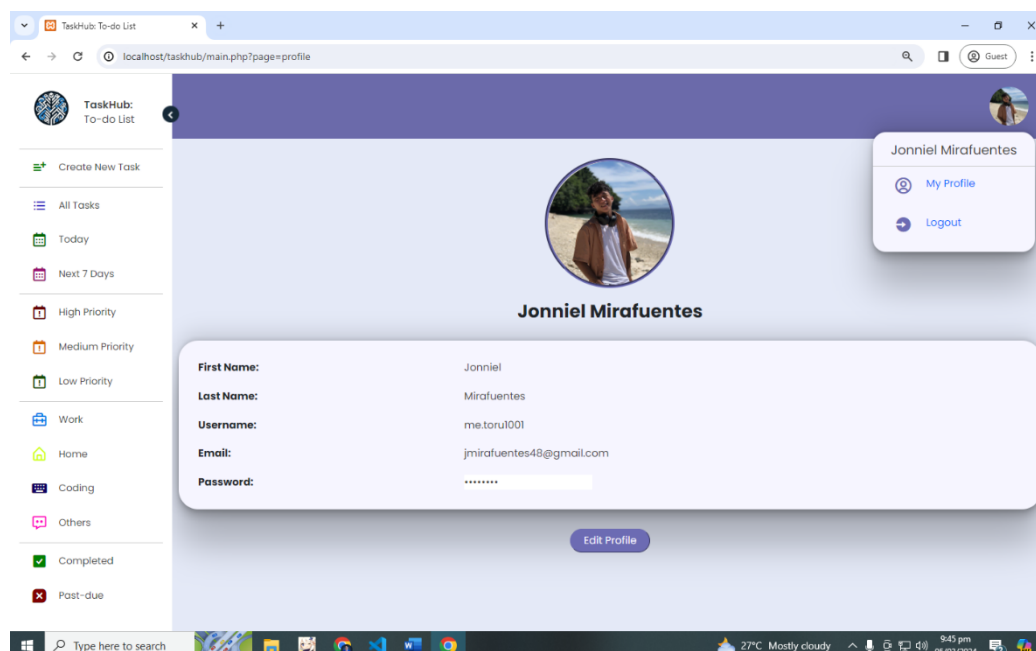
have any buttons to edit the specific tasks since it was assigned by other users, thus only the assignee can edit past-due tasks.

8. Edit Task



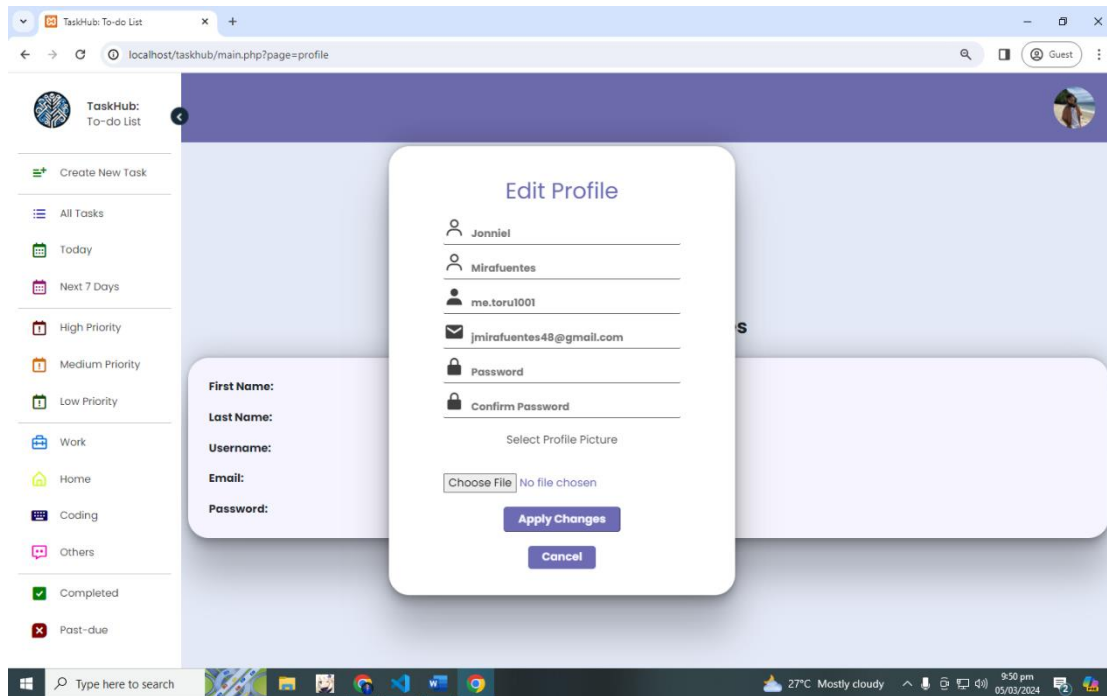
Profile management is seamless, with users able to access and edit their profile information, including a profile picture, first name, last name, username, email, and password. You can access the profile button by pressing your profile picture then a drop down option will show and then click on the View profile to be redirected to the profile page.

8. User Profile Page:



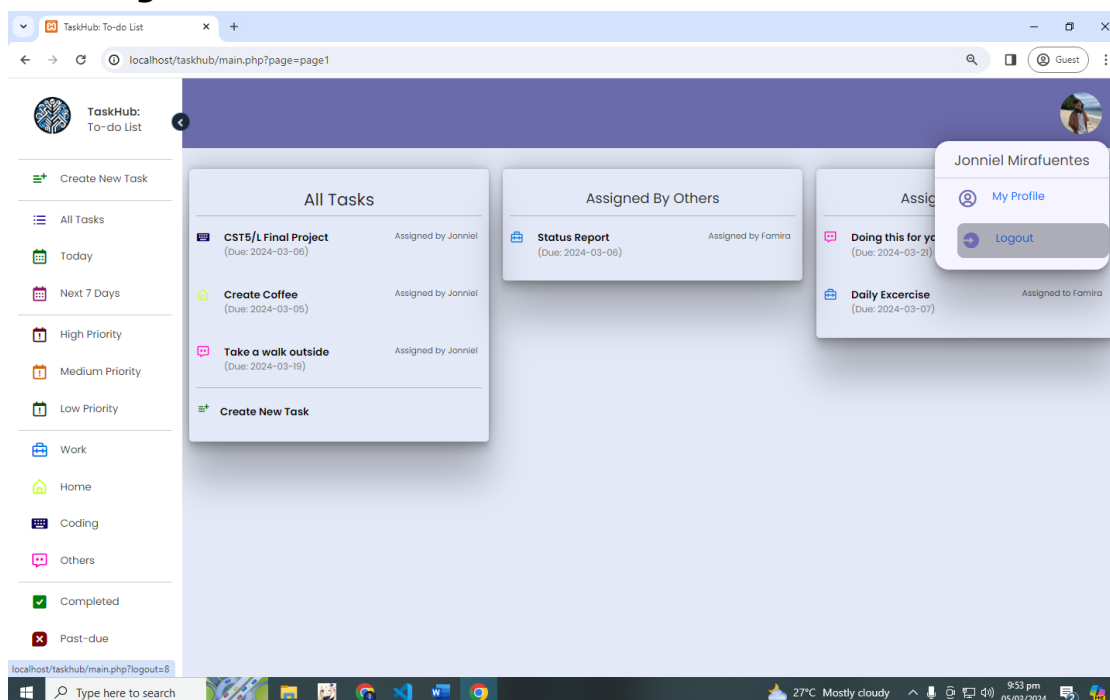
A dedicated "Edit Profile" button opens a pop-up window for easy editing, with changes reflected upon submission.

9. Edit Profile Pop-up Window



For a secure logout process, users can click the profile picture image on the upper right of the screen and a drop-down button will show-up. Click the Log-out button, this action destroys personal information and session details, redirecting users to the login page.

6. Logout Website



Database Structure

This is the structure of the database named 'task_hub'. It has 2 tables which are the 'all_tasks' where all the created task details are stored and the 'users_table' where all the created user accounts and their data are stored.























1. DATABASE: 'task_hub' Tables

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> all_tasks	Browse Structure Search Insert Empty Drop	17	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> users_table	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	32.0 KiB	-
2 tables	Sum	21	InnoDB	utf8mb4_general_ci	48.0 KiB	0 B

2. TABLE: 'all_tasks' Structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	task_id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	user_id	int(250)			No	None			Change Drop More
<input type="checkbox"/> 3	username	varchar(250)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	title	varchar(250)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 5	description	mediumtext	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 6	category	varchar(250)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 7	due_date	varchar(250)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 8	priority	varchar(250)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 9	assigned_by	varchar(250)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 10	assigned_to	varchar(250)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 11	status	varchar(250)	utf8mb4_general_ci		No	None			Change Drop More

3. TABLE: 'users_table' Structure

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id 	int(250)			No	None		AUTO_INCREMENT	 Change  Drop  More
<input type="checkbox"/>	2	firstname	varchar(250)	utf8mb4_general_ci		No	None			 Change  Drop  More
<input type="checkbox"/>	3	lastname	varchar(250)	utf8mb4_general_ci		No	None			 Change  Drop  More
<input type="checkbox"/>	4	username	varchar(250)	utf8mb4_general_ci		No	None			 Change  Drop  More
<input type="checkbox"/>	5	email	varchar(250)	utf8mb4_general_ci		No	None			 Change  Drop  More
<input type="checkbox"/>	6	password	varchar(250)	utf8mb4_general_ci		No	None			 Change  Drop  More
<input type="checkbox"/>	7	img	varchar(3000)	utf8mb4_general_ci		No	None			 Change  Drop  More