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Course: CSC 317 Foundations of Software Development

Front-End Design Document for TaskMaster

Project Background

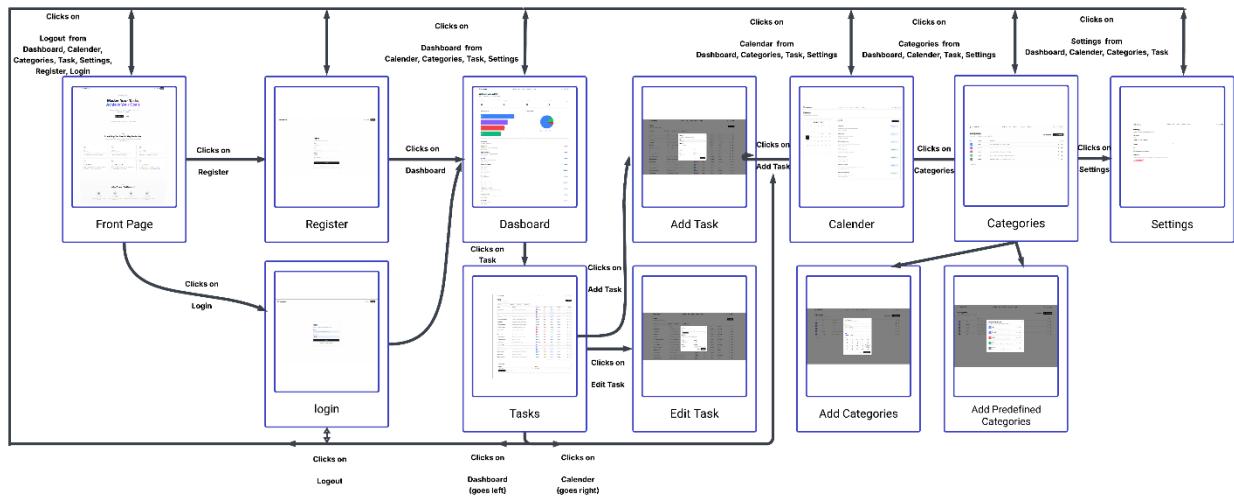
In TaskMaster, the software is an all-purpose task management program that can be used by users to organize, process, and examine their own personal and professional tasks. The software allows one to create an account and log into their dashboard, and handle tasks. The main ones are the addition, editing, and viewing of tasks, grouping tasks into custom and defined categories, scheduling tasks on a calendar, and getting a report about the last activity and the task completion. The system is set to offer a clear and user-friendly interface to users that will increase their productivity.

Wireframe

Link:

https://lucid.app/lucidspark/a3b8fe8c-f7ac-457f-a8c1-74790d629b65/edit?viewport_loc=-1420%2C-1564%2C4626%2C2310%2C0_0&invitationId=inv_19db3cbc-b4ed-4478-8323-ed613f5ec4c

Image:



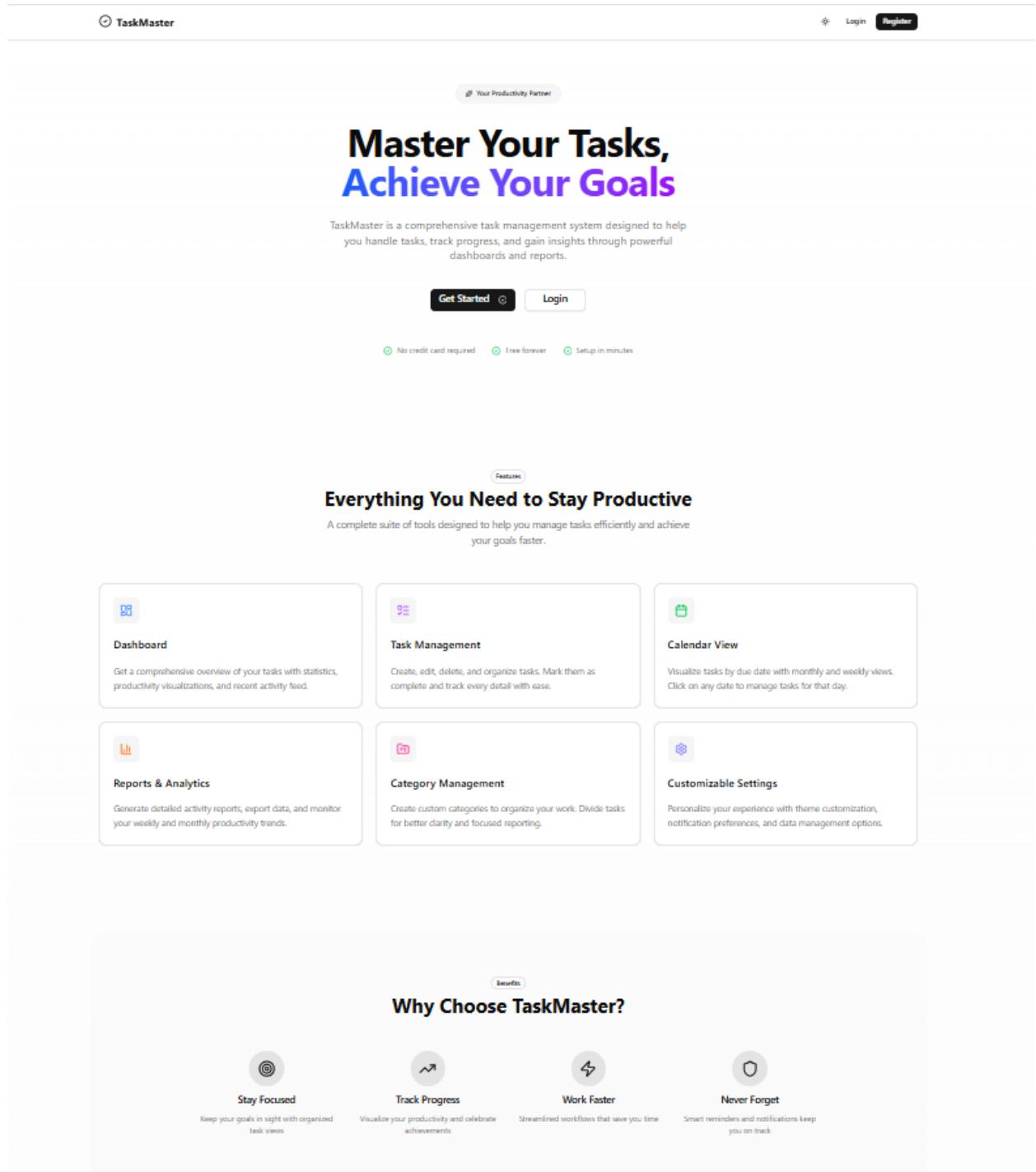
Author(s): Munteeq Ahmad Manzoor

UI Mockups

I. Mockup PT1: Front Page

- **Author(s):** Safak Yamali

- **Mockup Image:**



- **Description:** This is the application landing page. It will welcome new and returning visitors and act as the main navigation center when it comes to logging in or creating a new account. This page is a user authentication requirement since it gives access points to the pages of the site that allow a user to log in and get registered.

II. Mockup PT2: Register

- **Author(s):** Safak Yamali
- **Mockup Image:**

The mockup shows a registration form titled "Register" with the sub-instruction "Create your account to get started". It includes fields for Name (with placeholder "John Doe"), Email (with placeholder "you@example.com"), Password (represented by a series of dots), and Confirm Password (also represented by a series of dots). A large black "Register" button is at the bottom, and a link "Already have an account? Login" is at the bottom right. The header features the "TaskMaster" logo, a user icon, and navigation links for "Login" and "Register".

- **Description:** A new user is offered an opportunity to create an account on this page. That would include user credential fields (such as email and password). On this page, the user registration feature is followed. When the registration is successful, the user will be redirected to the "Dashboard."

III. Mockup PT3: Login

- **Author(s):** Munteeq Ahmad Manzoor

- **Mockup Image:**

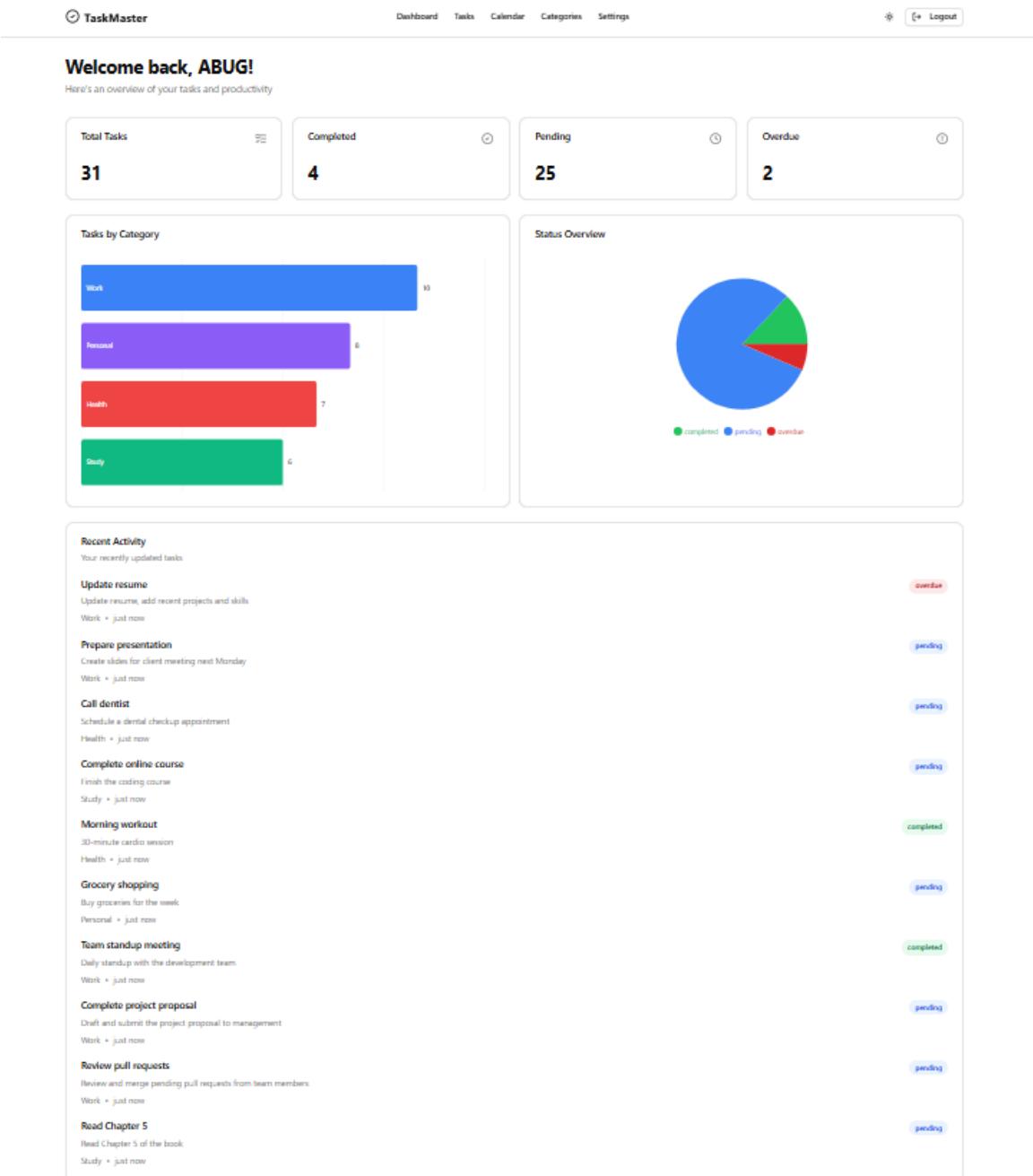
The mockup image shows a login form titled "Login" with a sub-instruction "Enter your credentials to access your account". It features two input fields: "Email" containing "munteeqahmadmanzoor@gmail.com" and "Password" containing ".....". Below the fields is a black "Login" button. At the bottom right of the form, there is a link "Don't have an account? Register". The top of the page has a header with the logo "TaskMaster", a user icon, and navigation links "Login" and "Register".

- **Description:** The current users can use this page to get into their accounts. It offers areas where the usernames and passwords are entered. The role of this page is to satisfy the user login feature. On successful authentication, the user is sent to his/her own personal "Dashboard."

IV. Mockup PT4: Dashboard

- **Author(s):** Sajim Ahmed

- **Mockup Image:**



- **Description:** The central place of a logged-in user is the Dashboard. It is meant to give a brief look at what they were up to including progress and a feed of their interesting activity. This page achieves the central dashboard requirement and offers the principal navigation to all other key functionality: "Tasks," "Calendar," "Categories," and "Settings."

V. Mockup PT5: Tasks

- **Author(s):** Sajim Ahmed

- **Mockup Image:**

The image shows a screenshot of the TaskMaster application. At the top, there is a navigation bar with links for Dashboard, Tasks, Calendar, Categories, and Settings. On the far right of the navigation bar are icons for user profile, logout, and a search bar. Below the navigation bar is a header titled "Tasks" with a subtitle "Manage and organize your tasks". To the right of the header is a "Add Task" button. Below the header is a search bar and three dropdown filters: "All Status", "All Priorities", and "All Categories". The main content area is a table titled "Tasks" with columns: Title, Description, Category, Priority, Status, Due Date, and Actions. The table lists 31 tasks across various categories like Personal, Work, Health, Study, and others, with different priority levels (Low, Medium, High) and statuses (Pending, Overdue, Completed). At the bottom of the table are pagination controls showing "Rows per page: 20" and "Page 1 of 2". Below the table is a "Generate Report" section with fields for "Start date" and "End date" (both in mm/dd/yyyy format), and buttons for "Download CSV" and "Print Report".

Title	Description	Category	Priority	Status	Due Date	Actions
Clean home office	Deep clean desk, shelves, and organize files	Personal	low	pending	11/13/2025	Edit Delete
Fix broken faucet	Call plumber for the broken faucet	Personal	high	pending	11/11/2025	Edit Delete
Call dentist	Schedule a dental checkup appointment	Health	low	pending	11/16/2025	Edit Delete
Water plants	Water all indoor and outdoor plants	Personal	low	pending	11/9/2025	Edit Delete
Deploy staging environment	Deploy latest build to staging for QA testing	Work	high	pending	11/10/2025	Edit Delete
Update resume	Update resume, add recent projects and skills	Work	low	overdue	11/8/2025	Edit Delete
Annual physical checkup	Schedule and attend annual health screening	Health	high	pending	11/2/2025	Edit Delete
Team standup meeting	Daily standup with the development team	Work	medium	completed	11/9/2025	Edit Delete
Meditation practice	10 minutes of mindfulness meditation	Health	medium	completed	11/9/2025	Edit Delete
Morning workout	30-minute cardio session	Health	high	completed	11/9/2025	Edit Delete
Plan weekend trip	Research destinations and book flights for fam...	Personal	high	pending	11/11/2025	Edit Delete
Client feedback review	Review and prioritize feedback from last sprint ...	Work	high	pending	11/9/2025	Edit Delete
Complete online course	Finish the coding course	Study	low	pending	11/14/2025	Edit Delete
Pay electricity bill	Pay monthly electricity bill online	Personal	high	overdue	11/8/2025	Edit Delete
Grocery shopping	Buy groceries for the week	Personal	medium	pending	11/10/2025	Edit Delete
Prepare presentation	Create slides for client meeting next Monday	Work	high	pending	11/16/2025	Edit Delete
Complete project proposal	Draft and submit the project proposal to mana...	Work	high	pending	11/10/2025	Edit Delete
Review pull requests	Review and merge pending pull requests from ...	Work	medium	pending	11/9/2025	Edit Delete
Read Chapter 5	Read Chapter 5 of the book	Study	medium	pending	11/16/2025	Edit Delete
Database optimization	Optimize slow queries in user analytics module	Work	medium	pending	11/12/2025	Edit Delete

31 row(s) total. Rows per page: 20 | Page 1 of 2 | < > >>

Generate Report

Start date: End date:

[Download CSV](#) [Print Report](#)

- **Description:** This page provides a full list of all the tasks of the user. It is created to enable users to see, administer and monitor their tasks in a table format. This page meets the requirement of the view tasks feature and offers links to Add Task and Edit Task.

VI. Mockup PT6: Add Task

- **Author(s):** Muhammad Sabih Ul Hussnain

- **Mockup Image:**

The screenshot shows the TaskMaster application's 'Tasks' page. At the top, there is a navigation bar with links for Dashboard, Tasks, Calendar, Categories, and Settings. On the right side of the header, there are icons for a profile picture, a gear, and a logout button. Below the header, the main content area is titled 'Tasks' with the sub-instruction 'Manage and organize your tasks'. There is a search bar and filters for 'All Statuses', 'All Priorities', and 'All Categories'. A table lists various tasks such as 'Clean home office', 'Fix broken faucet', and 'Call dentist'. To the right of the table is a modal window titled 'Add Task' with the sub-instruction 'Create a new task to organize your work'. The modal contains fields for 'Title' (with placeholder 'Task title'), 'Description' (with placeholder 'Task description'), 'Category' (with placeholder 'Select category'), 'Priority' (set to 'Medium'), 'Status' (set to 'Pending'), and 'Due Date' (set to 'Select a due date'). At the bottom of the modal are 'Cancel' and 'Save Task' buttons. To the right of the modal is a table showing a list of tasks with columns for 'Status', 'Due Date', and 'Actions'.

Status	Due Date	Actions
pending	11/13/2025	
pending	11/11/2025	
pending	11/16/2025	
pending	11/9/2025	
pending	11/10/2025	
overdue	11/8/2025	
pending	11/23/2025	
completed	11/9/2025	
completed	11/9/2025	
completed	11/9/2025	
pending	11/11/2025	
pending	11/9/2025	
pending	11/16/2025	
overdue	11/6/2025	

- **Description:** This page offers a form so that the users can create a new task. The user is able to add the information about a task including the name, date of completion, and type. The current page satisfies the "create task" feature.

VII. Mockup PT7: Edit Task

- **Author(s):** Muhammad Sabih Ul Hussnain
- **Mockup Image:**

The screenshot shows the TaskMaster application's 'Tasks' page, similar to the previous one but with an edit mode. The layout includes a header with a profile picture, a gear icon, and a logout button. The main content area is titled 'Tasks' and lists various tasks. A modal window titled 'Edit Task' is open, prompting the user to 'Update your task details'. Inside the modal, the 'Title' field is populated with 'Clean home office'. The modal also contains fields for 'Description' (placeholder 'Deep clean desk, shelves, and organize files'), 'Category' (selected as 'Personal'), 'Priority' (set to 'Low'), 'Status' (set to 'Pending'), and 'Due Date' (set to 'November 13, 2025'). At the bottom of the modal are 'Cancel' and 'Save Task' buttons. To the right of the modal is a table showing a list of tasks with columns for 'Status', 'Due Date', and 'Actions'.

Status	Due Date	Actions
pending	11/13/2025	
pending	11/11/2025	
pending	11/16/2025	
pending	11/9/2025	
pending	11/10/2025	
overdue	11/8/2025	
pending	11/23/2025	
completed	11/9/2025	
completed	11/9/2025	
completed	11/9/2025	
pending	11/11/2025	
pending	11/9/2025	
pending	11/16/2025	
overdue	11/6/2025	

- **Description:** On this page, one can edit an existing task. It is already loaded with the information of the task chosen by the user, which could be updated by the user. This page meets the feature of the "edit task".

VIII. Mockup PT8: Calendar

- **Author(s):** Munteeq Ahmad Manzoor
- **Mockup Image:**

The mockup shows the TaskMaster application's calendar interface. At the top, there is a navigation bar with links for Dashboard, Tasks, Calendar, Categories, and Settings, along with a user icon and a Logout button. Below the navigation bar is a header titled "Calendar" with a subtitle "View and manage tasks by date".

On the left, a monthly calendar for November 2025 is displayed. The days of the week are labeled from Saturday (Sa) to Friday (Fr). The dates are numbered from 1 to 30. Some dates have small text below them indicating the number of tasks: November 9 has "7 tasks", November 10 has "4 tasks", November 11 has "2 tasks", November 12 has "2 tasks", November 13 has "1 task", November 16 has "5 tasks", November 17 has "1 task", November 18 has "1 task", November 19 has "2 tasks", November 20 has "1 task", November 21 has "1 task", November 22 has "2 tasks", November 23 has "1 task", November 24 has "2 tasks", November 25 has "2 tasks", November 26 has "2 tasks", November 27 has "1 task", November 28 has "1 task", and November 29 has "1 task".

On the right, a list of tasks for November 9, 2025, is shown. There are seven tasks listed, each with a title, a brief description, and a priority level indicated by a color-coded status indicator.

Task	Status
Yoga class Evening yoga session for flexibility and relaxation Health • Low Priority	Pending
Water plants Water all indoor and outdoor plants Personal • Low Priority	Pending
Client feedback review Review and prioritize feedback from last sprint review Work • High Priority	Pending
Meditation practice 10 minutes of mindfulness meditation Health • Medium Priority	Completed
Morning workout 30-minute cardio session Health • High Priority	Completed
Review pull requests Review and merge pending pull requests from team members Work • Medium Priority	Pending
Team standup meeting Daily standup with the development team Work • Medium Priority	Completed

- **Description:** The Calendar page offers a visualization of the tasks and their due dates. It is aimed at visualizing the schedule of the user. The calendrical view is achieved on this page.

IX. Mockup PT9: Categories

- **Author(s):** Munteeq Ahmad Manzoor

- **Mockup Image:**

The screenshot shows the 'Categories' section of the TaskMaster application. At the top, there's a header with the app logo, navigation links for Dashboard, Tasks, Calendar, Categories, and Settings, and a user dropdown. Below the header is a sub-header 'Categories' with a subtitle 'Organize your tasks with custom categories'. To the right are buttons for 'Add Predefined' and '+ New Category'. The main content is a table listing five categories:

Icon	Name	Description	Actions
	Work	Tasks related to your job or professional life.	
	Personal	Tasks for personal errands, hobbies, or self-care.	
	Health	Tasks related to health, fitness, and well-being.	
	Study	Tasks for academic work, learning, or skill development.	
	Others	Miscellaneous tasks that don't fit into other categories.	

Below the table, a message says '5 row(s) total.'

- **Description:** This page gives the user the chance to see and manage their task categories. It enumerates all the existing categories and offers navigation to create new ones. The page provides the so-called manage categories.

X. Mockup PT10: Add Categories

- **Author(s):** Muhammad Sabih Ul Hussnain
- **Mockup Image:**

The screenshot shows the 'Categories' section with a modal window titled 'New Category' overlaid. The modal has fields for 'Name' (with 'Category name' typed in), 'Description (Optional)' (with 'Brief description of this category' typed in), 'Color' (set to #6366f1), and an 'Icon' selection grid. The grid contains various icons, and the 'Others' icon is highlighted with a red border. At the bottom of the modal are 'Cancel' and 'Save Category' buttons.

- **Description:** This page gives the user a form, in which he or she can make a new custom category to organize his or her tasks. This satisfies the add custom category feature.

XI. Mockup PT11: Add Predefined Categories

- **Author(s):** Sajim Ahmed

- **Mockup Image:**

The screenshot shows the 'Categories' section of the TaskMaster application. At the top, there's a navigation bar with links for Dashboard, Tasks, Calendar, Categories, and Settings, along with a user icon and a Logout button. Below the navigation is a title 'Categories' and a subtitle 'Organize your tasks with custom categories'. A button for 'Add Predefined' and a '+' button for 'New Category' are visible. The main area displays a table with five rows of categories: Work, Personal, Health, Study, and Others. Each row has an icon, a name, and a description. To the right of the table is a column of 'Actions' with edit and delete icons. A modal window titled 'Add Predefined Categories' is open, listing five predefined categories with descriptions and a checkmark indicating they have been added: Work, Personal, Health, Study, and Others.

- **Description:** On this page, visitors will be able to add the common, pre-define categories (e.g., Work, Personal, Health) to their list very fast. This is an attribute that makes it easy to set up to new users.

XII. Mockup PT12: Settings

- **Author(s):** Safak Yamali
- **Mockup Image:**

The screenshot shows the 'Settings' page of the TaskMaster application. The top navigation bar includes links for Dashboard, Tasks, Calendar, Categories, and Settings, along with a user icon and a Logout button. The main content area is titled 'Settings' with the subtitle 'Manage your account and application preferences'. It features three sections: 'Appearance' (with a 'Theme' dropdown showing 'Light' selected, 'Dark', and 'System' options), 'Account' (showing Name: ABUG and Email: munteeqahmadmanzoor@gmail.com), and 'Demo Data' (with a note about loading sample data and a red 'Load Demo Data' button). The bottom of the page has a footer with links for Home, About, Contact, and Help.

- **Description:** On the Settings page, users can customize their preferences regarding their account, as well as their application. These features have been met through this page, like account management and data management.