**TaskMaster Application**

**Overview**

TodayMaster is a small application that runs on the Internet. Our goal is to help users manage their daily tasks. During the design process, todayMaster was conceived to include functions such as task creation, task classification, important task reminders, and task data storage. We hope to keep the design as simple as possible in this process to ensure that users can have a good user experience.

This README provides an overview of the code structure and instructions on how to set up and use the application.

**Code Structure**

The application consists of the following main components:

**1.Home Page (index.html)**

This is the landing page where users can choose log in or sign up, and then they will change to the different pages.

The page provides an overview of the features and benefits of using TaskMaster. Including Features Section, Benefits Section, Get Started Section and contact section. This below is the detail instruction.

**Features Section**

Highlights the powerful features of TaskMaster, such as task management, calendar integration, and reminders.

**Benefits Section**

Explains the advantages of using TaskMaster, including improved efficiency, reduced stress, and focused productivity.

**Get Started Section**

Provides instructions on how to get started with TaskMaster, including accessing help guides and support.

**2.Task List Page (tasklist.html)**

Displays the list of tasks that the user has created.

Allows users to add new tasks, mark tasks as complete, delete tasks, and set reminders.

Tasks can be sorted by category.

**3.Login/Sign up page(loginpage.html/signup.html)**

This page will provide a method to new user and old customers to use our taskmaster, all the procedure is easy use and find.

**Why This Project is Useful**

TaskMaster helps users stay organized and manage their time effectively. By using TaskMaster, you can:

1.Keep track of your tasks and deadlines.

2.Prioritize tasks based on importance and urgency.

3.Set reminders to ensure you never miss an important deadline.

4.Collaborate with your team on projects, ensuring everyone stays on the same page.

5.Improve your productivity by having a centralized place to manage all your tasks.

**What Users Can Do with TaskMaster**

1.Manage Personal Tasks: Keep track of daily to-do lists, appointments, and personal projects.

Collaborate with Teams: Work with team members on shared projects, assign tasks, and monitor progress.

2.Plan Projects: Create detailed project plans with task breakdowns and timelines.

3.Set and Track Goals: Define personal or professional goals and track your progress towards achieving them.

4.Stay Organized: Use the task categorization and sorting features to keep your tasks well-organized.

**How to Use It**

**Frontend Code**

The frontend of TaskMaster is built using: JavaScript/HTML/CSS

**Backend Code**

The backend of TaskMaster is based on: Python/Flask and SQLite

**1.Setting Up the Application**

a. Clone the Repository

b. Open your terminal or command prompt.

c. Clone the repository using the following command:

bash

Copy code

git clone https://github.com/karrynotme/24S\_Software-Development-Project

Please note that not all of our code is deployed to GitHub yet, as we are still a work in progress.

**2.Run the Application**

a. We recommend open it by IDE directly, it is easy for our team, and you can choose any way you want.

b. And then can open the Application in a Browser, like open your web browser and go to: http:/ http://127.0.0.1:5000/

**3. Using TaskMaster**

a. Log In or Sign Up

On the home page, click on the "Log In" or "Sign Up" button to access your account or create a new one.

b. Explore Features and Benefits

Read through the Features and Benefits sections to understand what TaskMaster offers.

c. Manage Tasks

Navigate to the Task List page to view and manage your tasks.

Please use the buttons to add new tasks, mark tasks as complete, delete tasks, and set reminders.

d. Sort Tasks (Please notice, we still trying adding this parts when making this file)

Use the dropdown menu to sort tasks by category for better organization.

**This project is maintained and contributed to by:**

Jeff Jackson - Project Manager

Role: Oversees the project, ensuring that all aspects are aligned with the objectives and timelines.

Responsibilities: Coordinating team efforts, managing project milestones, and ensuring successful delivery of the project.

Emad Sabbagh - Front-End Developer

Role: Develops and designs the user interface.

Responsibilities: Implementing the presentation layer using HTML, CSS, and JavaScript, ensuring a seamless and responsive user experience.

Nicholas Zettel - Lead Developer

Role: Leads the development of the core functionality and back-end processes.

Responsibilities: Designing the system architecture, implementing business logic, and managing the data layer using Flask and SQLite.

Xuemin Zhou - Testing and Integration Specialist

Role: Ensures the quality and functionality of the application.

Responsibilities: Conducting thorough testing, debugging, and integrating all components to ensure a cohesive and reliable application. Also assists in documentation and other coding functions.

**Contact and Support**

For help with the project, you can visit the GitHub repository or contact any of the project maintainers via email:

Zettel, Nicholas: zett0004@algonquinlive.com

Jackson, Jeff: jack0454@algonquinlive.com

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