

Project Title: TasKit

Project Video: [TasKit](https://www.youtube.com/watch?v=qqjqvrcuEVU)

Course Code and Title: CSE479: Web Database Programming

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Introduction

TasKit is an app to manage tasks. We do a lot of things daily. It is difficult to remember every little thing. It is very normal to forget a task now and then. To be a responsible punctual and reliable person we need to do important tasks at specific time. TasKit will help you keep track of your tasks.

Methodology

HTML, CSS and JavaScript has been used to build the front-end of this app. We have used Flask framework as it is easy to understand and user-friendly. Finally we have used MongoDB database. There are two separate sections to store the user information in database. One section contains the personal information about the users and the other contains the task information.

Features

TasKit is a task management app. Main features of this app are:

* Login/Signup
* Task list
* Profile management
* Progress

Discussion

Here is the detailed discussion on the features.

**Login/Sign up:** Once the app is run the login page shows up. If the user already has an account he/she can sign in right away but if the user doesn’t have any account an error will occur if he/she tried to sign in saying the user need to have an account. A new user can sign up using username, email and a password. If the email is not in the right format an error will occur. Password must have both characters and numbers.

**Task List:** Once the sign up/login is done the app will take the user directly to home page that carries the list of tasks. At the top of the page a welcome massage is shown along with the username. Initially it displays an empty task list. User can add tasks one by one and they will be listed with checkboxes. If the boxes are checked the tasks will be cut from the list. The whole list can be checked at once with check button at the bottom of the list. In the top right corner of the page there is dropdown option to go other pages: My account, Finished Tasks and Logout.

**Profile Management:** My account page is the profile management page. It displays the user profile, progress and contains some options. The progress table shows how many tasks are done and how many are pending. A user can change his/her password in here. A user can also delete his/her account.

**Finished Tasks:** This page shows the list of the tasks that are finished. It helps a user to be motivated. User can clear this list by deleting and can also add all the tasks back into the task list.

**Logout:** This button logs out a user and sends him/her back to sign in page.

**About us:** This page introduces the users with developers of TasKit app.

Conclusion

We need to manage our tasks and keep track of everything we are doing and are supposed to do. It is difficult to carry pen and paper everywhere we go. TasKit will help you keep track of your tasks digitally.