

Task Management System

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About Us

Gabriela Ramon (Team Head)

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Madison Chan (Team Member)

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Project Objective

The admin user is capable of:

- Having an admin user and password for login
- Changing the admin user and admin password
- Adding a normal user to TMS by creating a new username and password.
- Remove users from TMS by removing their username, password, and corresponding recorded data.

Each user should be able to:

- Add a task to TMS. The task contains: a title, time, duration, and description
- Remove a task
- Edit a task's details
- Search through TMS based on time, title, or duration and list the results on screen.

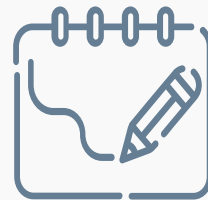
Project Objective

TMS should be a user-friendly software, such that:

- It shows a welcome page and provides a menu of all functions to the user on all pages
- It illustrates the reports in a tabular form. For instance, it displays a well-organized calendar of every week or month.
- It shows a warning if the user tries to input contact information with a name that exists in the history
- TMS should provide an exit function and thank the user for using this software.

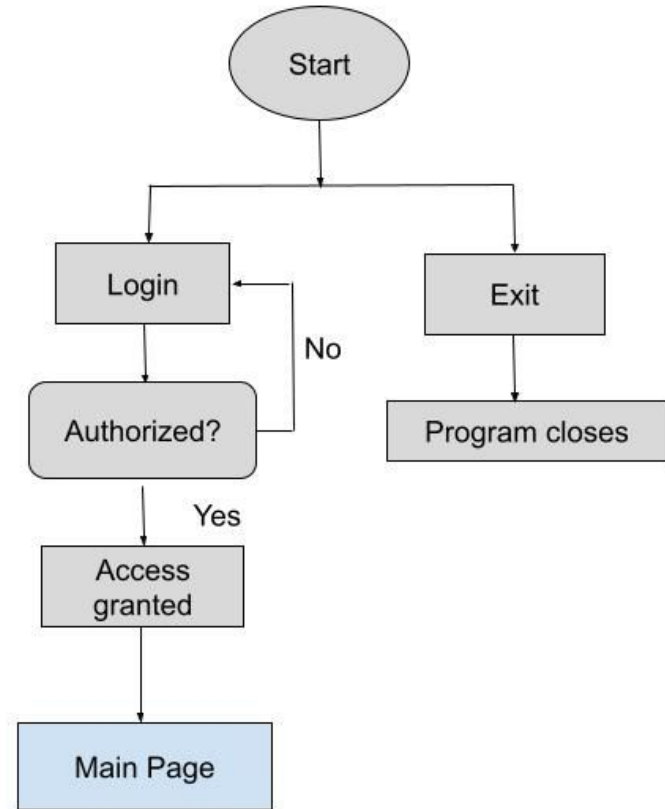
03

Graphical User Experience Design

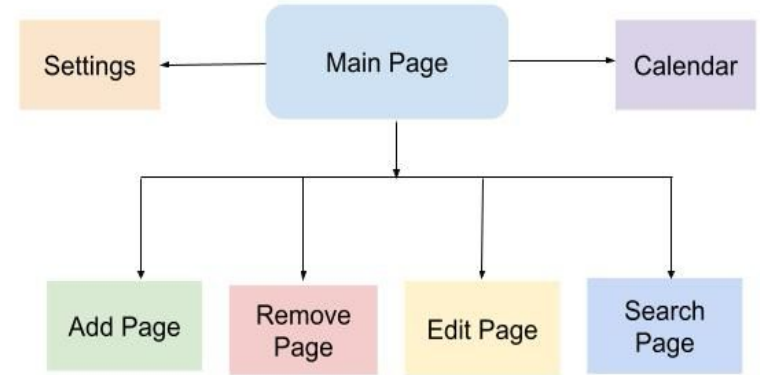


Page Implementation Ideas

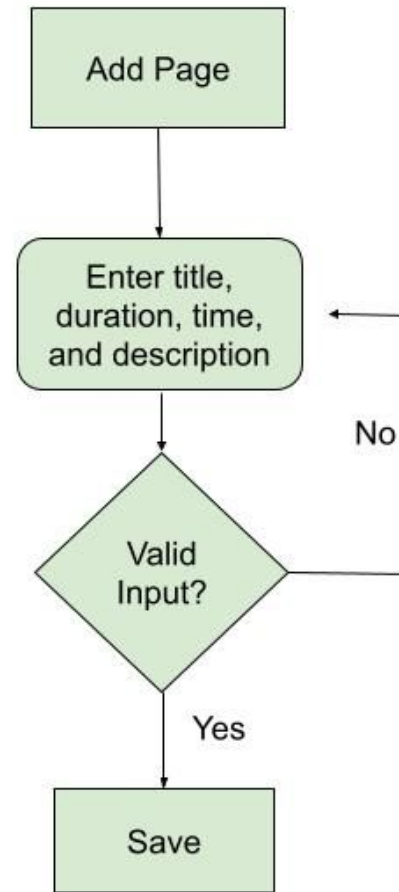
Login Window



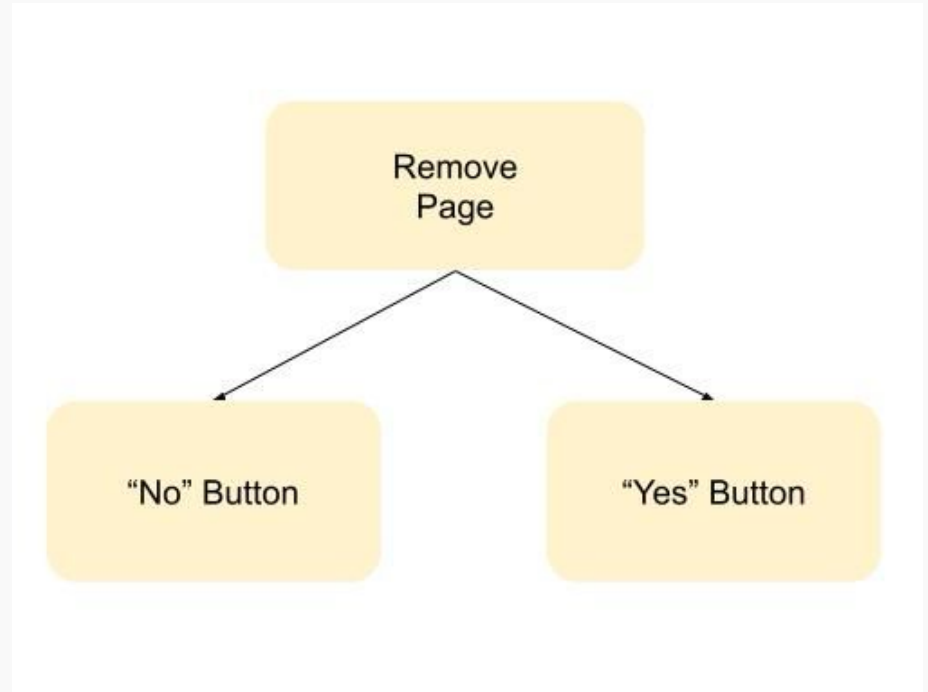
Main Menu Window



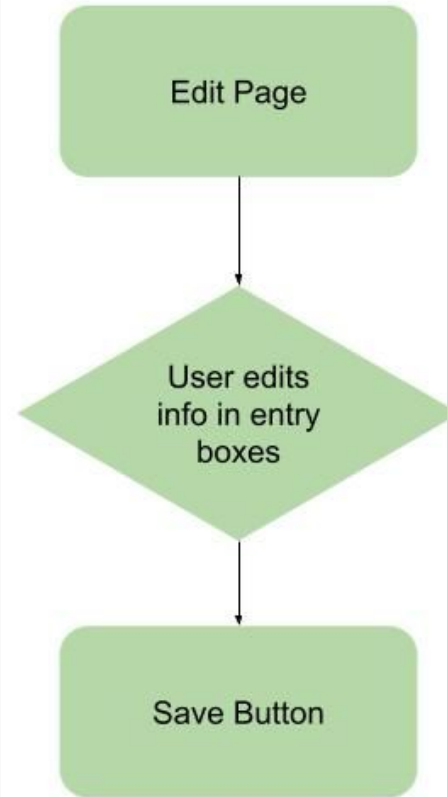
Add Task Window



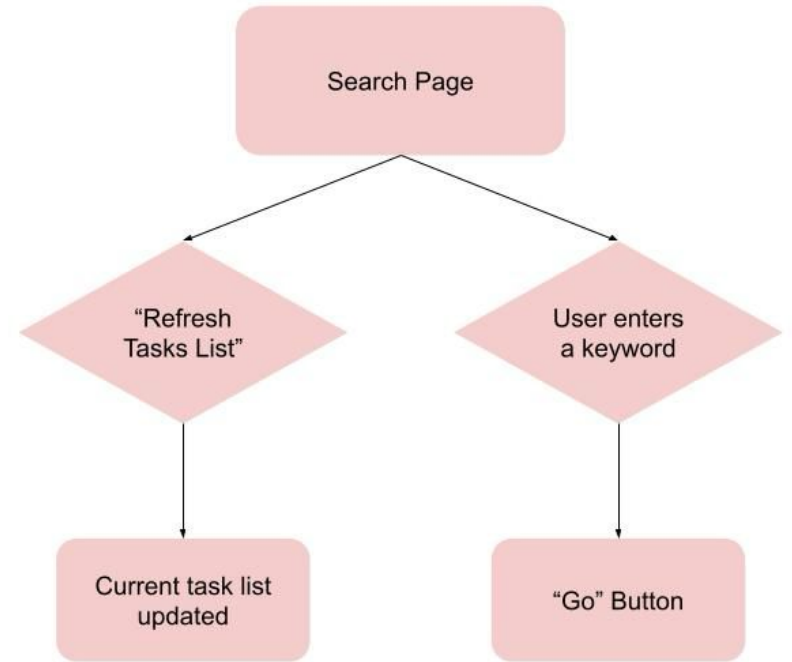
Remove Task Window



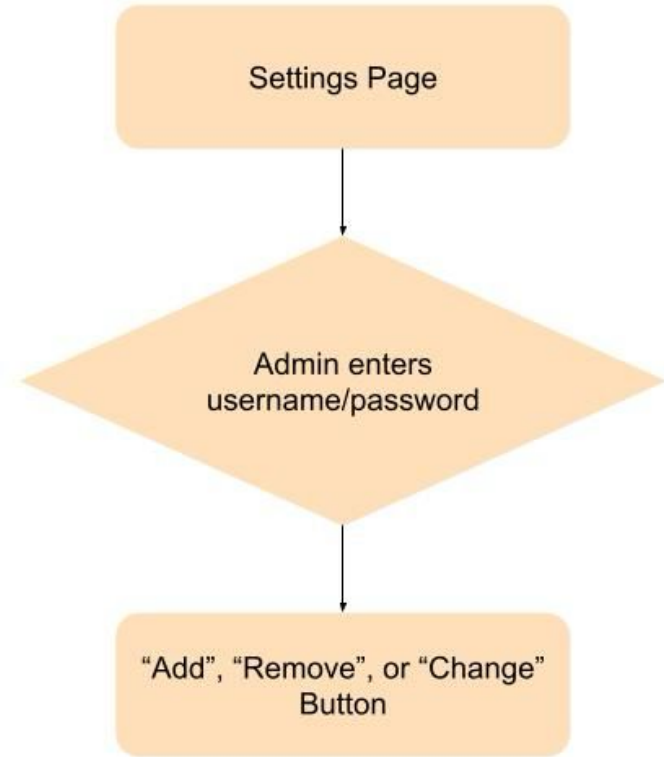
Edit Task Window



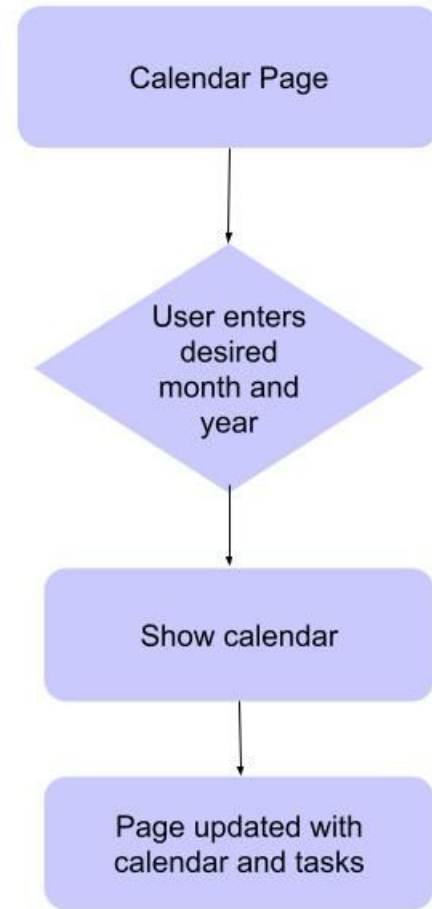
Search Task Window



Settings Window



Calendar Window



Virtual Environment

```
C:\Users\ramon>cd Downloads

C:\Users\ramon\Downloads>python -m venv .tms

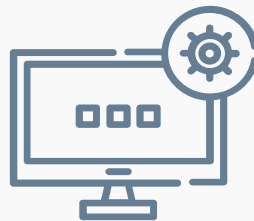
C:\Users\ramon\Downloads>.tms\Scripts\activate

(.tms) C:\Users\ramon\Downloads>python -m pip list
Package Version
-----
pip      24.0

(.tms) C:\Users\ramon\Downloads>
```

05

Graphical User Interface Design



Python Implementation

Login Window

- 2 entry boxes
- 2 buttons
- 3 pop-ups for each buttons completion

The image displays the login interface for the 'Task Management System'. The main window has a title bar with standard OS window controls and the text 'Login'. The title 'Task Management System' is centered at the top, with a circular logo on the right containing the letters 'MG' and the text 'MADISON & GARY TASK MANAGEMENT SYSTEM'. Below the title, there are two input fields: 'Username:' and 'Password:'. At the bottom right of the window are three buttons: 'Login', 'Exit', and 'New User'. Below the main window, three separate pop-up dialog boxes are shown, each featuring a rocket icon. The first pop-up says 'Thank you for using this application' with an 'OK' button. The second pop-up says 'Welcome madison.chan' with an 'OK' button. The third pop-up says 'Please enter a correct username and password' with an 'OK' button.

Task Management System

Username:

Password:

Login Exit

New User

Thank you for using this application

OK

Welcome madison.chan

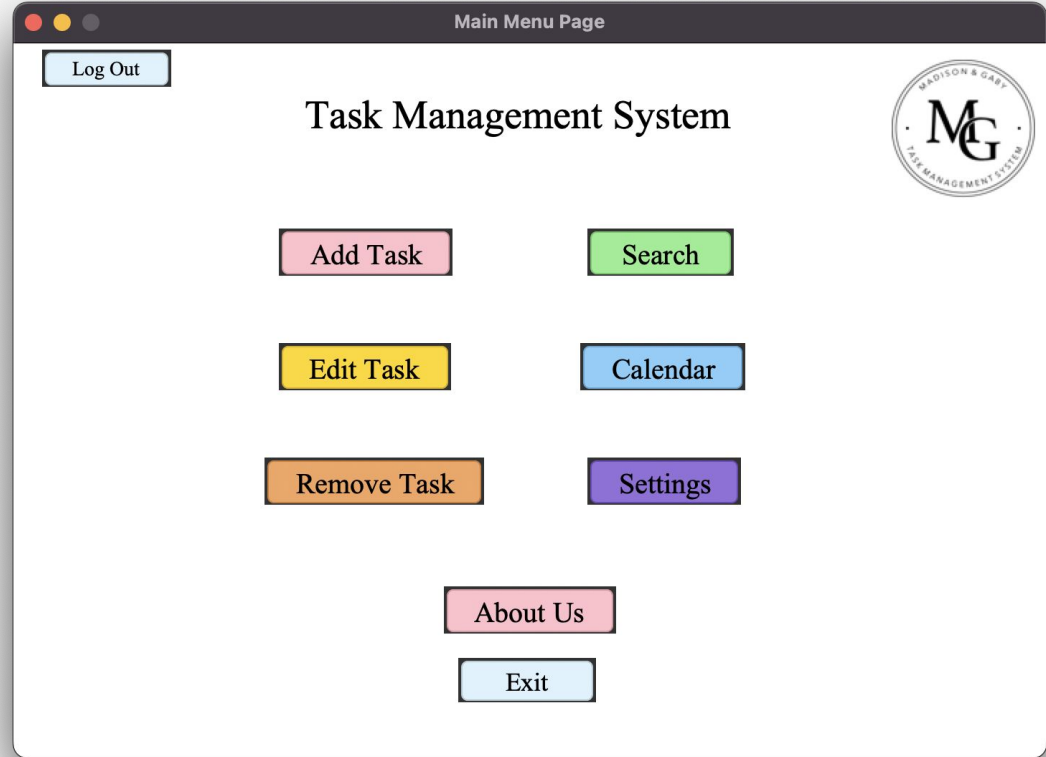
OK

Please enter a correct username and password

OK

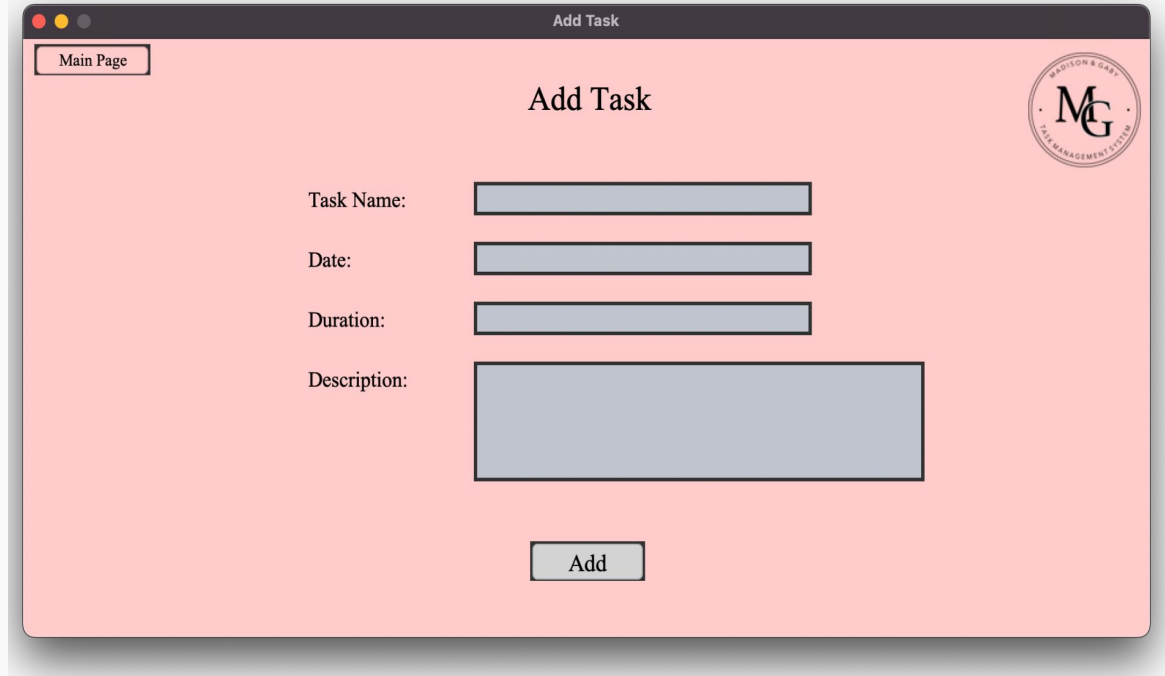
Main Menu Window

- 9 buttons



Add Task Window

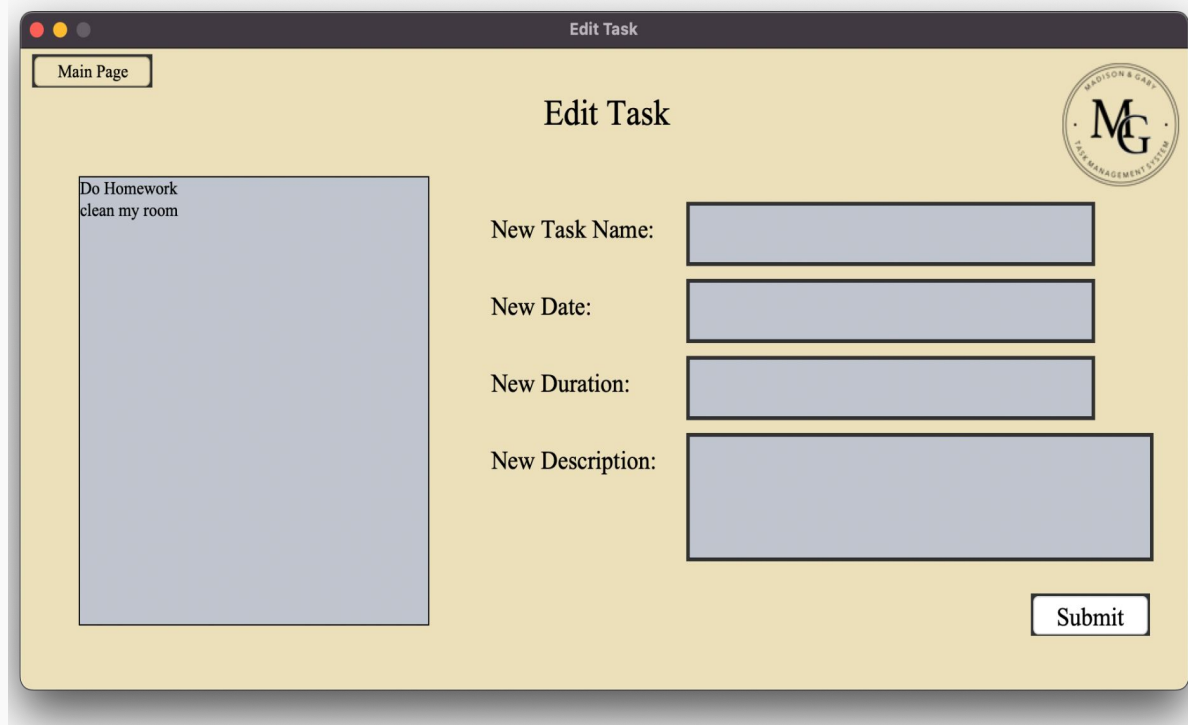
- 2 buttons
- 4 entry boxes



The image shows a software window titled "Add Task". In the top-left corner, there is a tab labeled "Main Page". The window has a light pink background. In the top-right corner, there is a circular logo with the text "MADISON & GARY" around the top edge, "MG" in the center, and "TASK MANAGEMENT SYSTEM" around the bottom edge. The main content area is titled "Add Task" in the center. Below the title, there are four labels on the left: "Task Name:", "Date:", "Duration:", and "Description:". To the right of each label is an input field: three single-line text boxes for "Task Name:", "Date:", and "Duration:", and one larger multi-line text box for "Description:". At the bottom center of the window is a button labeled "Add".

Edit Task Window

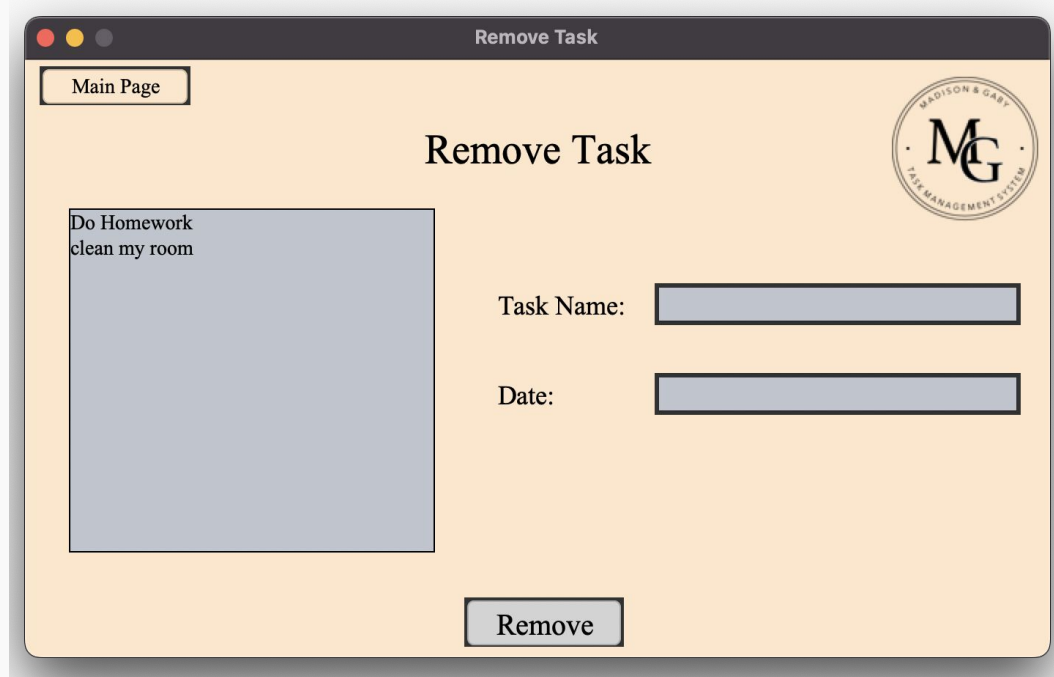
- 2 buttons
- 4 entry boxes
- 1 list box



The screenshot shows a web application window titled "Edit Task". In the top-left corner, there is a button labeled "Main Page". The main content area is divided into two sections. On the left, there is a large light-blue rectangular box representing a list of tasks; the first two items visible are "Do Homework" and "clean my room". On the right, there is a form titled "Edit Task" with four input fields: "New Task Name:", "New Date:", "New Duration:", and "New Description:". Each of these fields is followed by a light-blue rectangular input box. In the top-right corner of the window, there is a circular logo for "MADISON & GAST TASK MANAGEMENT SYSTEM" with the letters "MG" in the center. At the bottom-right corner, there is a button labeled "Submit".

Remove Task Window

- 2 buttons
- 2 entry boxes
- 1 list box



The screenshot shows a window titled "Remove Task" with a dark title bar. Inside the window, there is a tab labeled "Main Page". On the left side, there is a list box containing two items: "Do Homework" and "clean my room". On the right side, there is a circular logo for "MADISON & GARY TASK MANAGEMENT SYSTEM" with the letters "MG" in the center. Below the logo, there are two input fields: "Task Name:" and "Date:". At the bottom right, there is a button labeled "Remove".

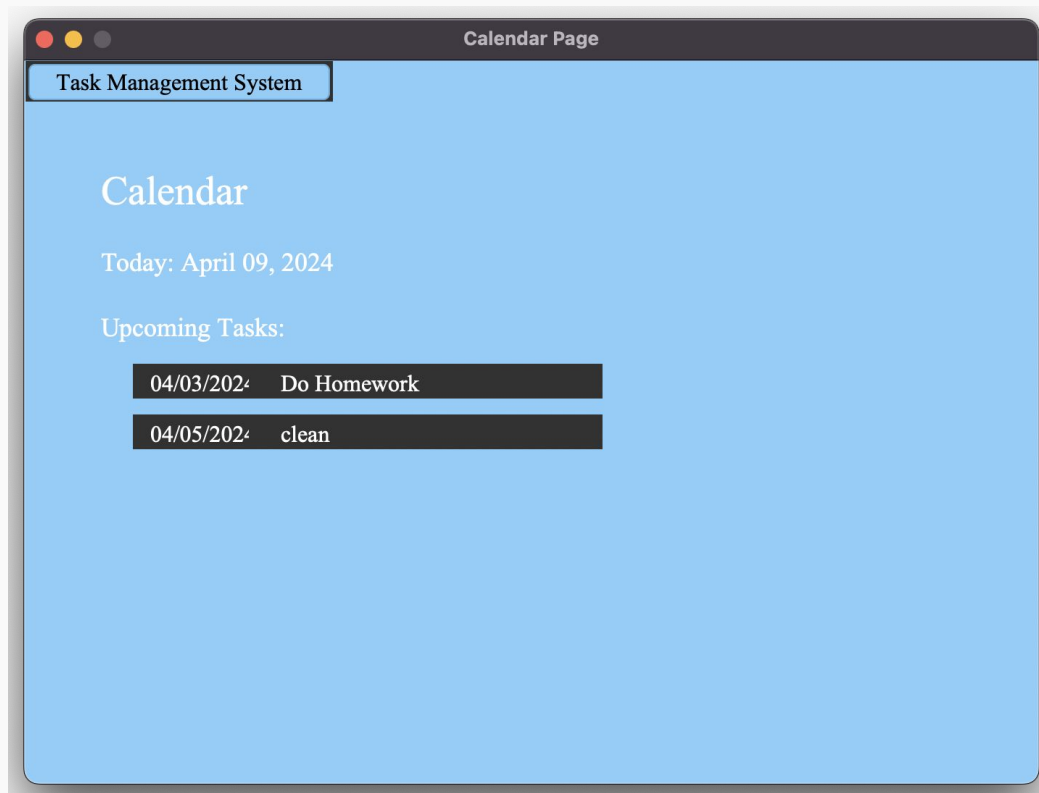
Search Task Window

- 3 buttons
- 5 entry boxes
- 1 list box

The screenshot shows a window titled "Search Page" with a tab labeled "Main Page". The window has a light green background. In the top right corner, there is a circular logo for "MADISON & GARY TASK MANAGEMENT SYSTEM" with the letters "MG" in the center. The main heading "Search Task" is centered at the top. Below the heading, on the left, is a large grey rectangular area representing a list box. Above this list box is a small light blue entry box and a "Search" button. At the bottom of the list box area is a "More Info" button. To the right of the list box, there are four labels with corresponding entry boxes: "Task Name:", "Date:", "Duration:", and "Description:". Each label is followed by a light blue entry box.

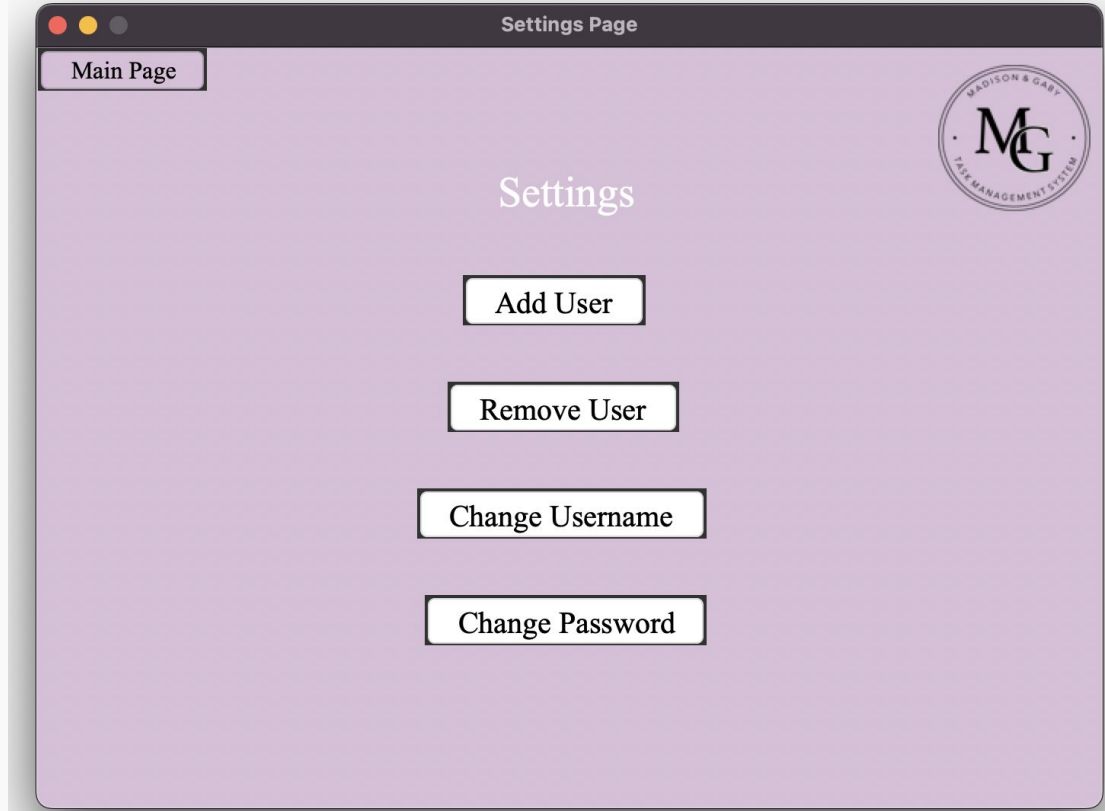
Calendar Window

- 1 button
- 2 entry boxes



Settings Window

- 5 buttons





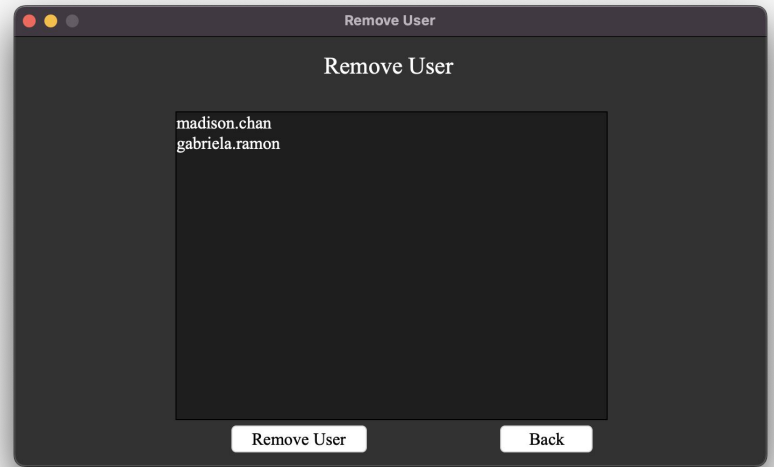
A dark-themed dialog box titled "Add User". It features two input fields: "Username:" and "Password:". Below the fields are two buttons: "Add User" and "Back".

Add User

Username:

Password:

Add User Back

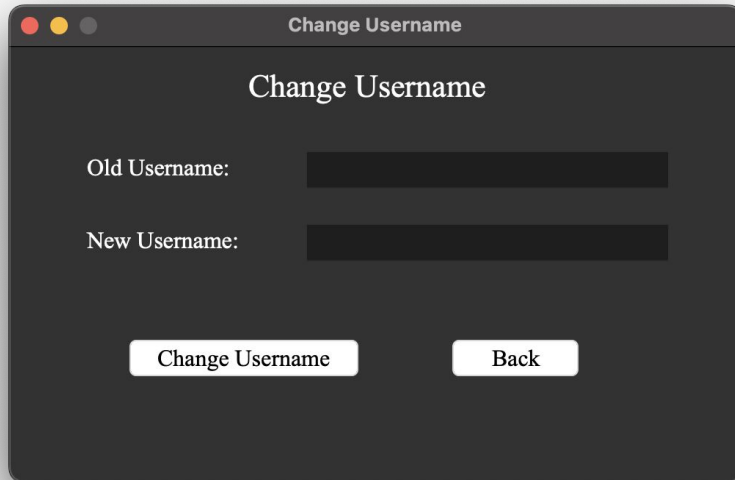


A dark-themed dialog box titled "Remove User". It contains a list of users: "madison.chan" and "gabriela.ramon". Below the list are two buttons: "Remove User" and "Back".

Remove User

madison.chan
gabriela.ramon

Remove User Back



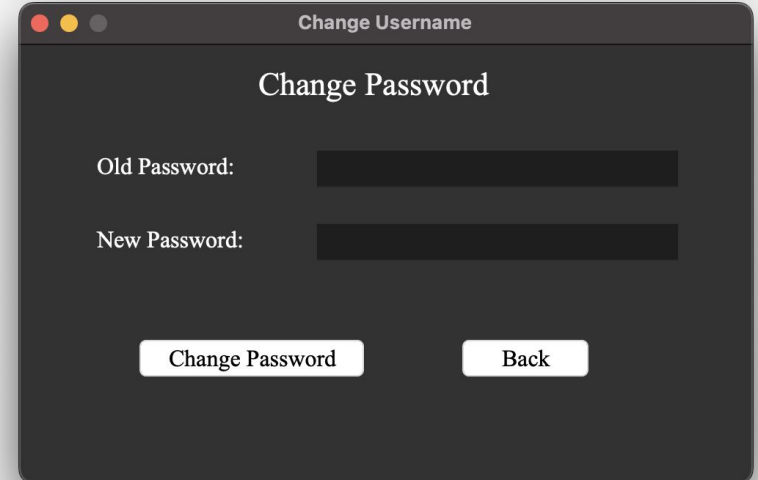
A dark-themed dialog box titled "Change Username". It features two input fields: "Old Username:" and "New Username:". Below the fields are two buttons: "Change Username" and "Back".

Change Username

Old Username:

New Username:

Change Username Back



A dark-themed dialog box titled "Change Password". It features two input fields: "Old Password:" and "New Password:". Below the fields are two buttons: "Change Password" and "Back".

Change Password

Old Password:

New Password:

Change Password Back

Data Storage

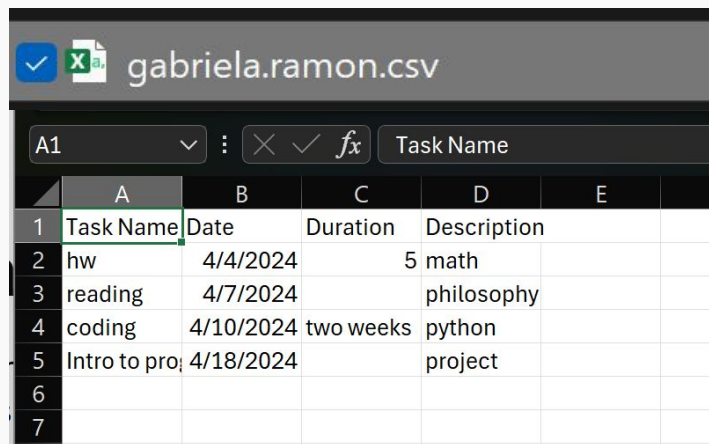
- “users.csv” file stores all of the usernames and passwords for the program
- {CURRENTUSER}.csv created for each user and stores all their task information

```
fields=[ 'Username', 'Password' ]
|
filename='users.csv'

os.chdir('/Users/ramon/Downloads')

with open(filename, 'w') as csvfile:
    csvwriter=csv.writer(csvfile)
    csvwriter.writerow(fields)
    csvwriter.writerows(rows)
```

```
filename=f' {CURRENTUSER}.csv'
```



	A	B	C	D	E
1	Task Name	Date	Duration	Description	
2	hw	4/4/2024	5	math	
3	reading	4/7/2024		philosophy	
4	coding	4/10/2024	two weeks	python	
5	Intro to pro	4/18/2024		project	
6					
7					