HEURISTIC EVALUATION REPORT

209029399

WORD COUNT 7079

Introductions

This report describes the functionality of a web-based task manager and the evaluation of the High-Fidelity prototype. My prototype is about a daily task manager that allows the user to plan around their daily activities and tasks. This allows the user to increase their efficiency and productivity, it allows the user to go through a range of tasks throughout the day, such as their meal plan, exercise and their daily schedule. It allows the user to be organised at every hour of the day. The name of the task manager is the "Daily planner". It is meant to allow a student to improve their work life balance, this includes meals, and exercise. The Task manager aims to allow the user to manage their time and become more organised and perform at 100% all day as well as increase their efficiency, focus and productivity, It aims to reduce stress procrastination and poor time management. It gives its user a platform to easily update and edit their tasks. Our users would need to input any task and activity they plan on doing into the web based task manager for the planner to effortlessly remind them and keep them ahead of their deadlines. For the prototype to be fully effective and convenient to the user, it needs to meet the key requirement that is stated below. They make sure that the application meets its goals and is functional. There have been some changes in the design to allow the user to easily navigate the task manager, unlike the earlier prototype where the user needed to click certain sections of the dashboard to navigate through the task manager, the prototype has been updated to feature a navigation bar at the top of the website. The name of the home page has also been changed to a dashboard to allow the user to easily recognise where they are located on the page. The shopping list page was removed from the task manager because I realise the user could easily create a shopping list on the notes page. The key user requirements have been listed below:

1. Users should be able to add a task to their schedule and calendar.

2. Users can create tasks.

3. Users should be able to view their calendar

4. Users should be able to change the appearance of the application (light/dark mode)

5. Users should be able to create an account

6. Users should be able to sign into and log out of their account

7. Users should be able to see the list of tasks with their date and time

8. Users should be able to repeat tasks weekly, monthly, or daily

Prototype functionality

The features listed above should fulfil the development of a "T" shaped prototype because the main focus of the task manager is to create a schedule for the user, this is shown by the schedule feature where the user can add tasks and activities to their schedule and plan accordingly, therefor keeping them more organised. The features such as the calendar and notes revolve around this page because they allow the user to also create and edit a schedule, therefore allowing the user to plan.

Function/feature	Explanation	Justification
Login	This is located on the index page of the website. it allows the user to log in to their account	This is to make sure that each user can access their task manager which they can edit for their purposes.
Sign up	This is located on the signup page, it allows the user to create an account for the task manager.	This is to make sure that the user has an account and has a unique login detail that they can use to access their personal task manager.
Remember me	This is allocated on the index page, when the user ticks the checkbox, the application task manager remembers their login, therefore they do not need to log in every time they visit the website.	This makes sure that the user can easily log back into their account without having to type in their email and password repeatedly
Password reset	This is located on the forgot password page, it allows the user to use their email address to request a reset to their password	In a situation where the user forgets their password or wants to change their password, this feature makes that possible.
Home dashboard	This is located on the home page. This shows the users a summary of their upcoming events	This is to keep the user aware of their daily schedule and the task they need to do.
Calendar	This is located on the calendar page, it is an intractable called the that allows the user to view edit, and add reminders to the days months weeks or years in the calendar.	This makes sure that the user can plan the future tasks and activities they have. They can easily set reminders for a later date like a year in advance.
Notes	This is located on the notes page, it allows the user to add, edit and delete notes.	This is useful for quick reminders or for making notes in class.
Settings	This is located on the settings page, to get there the user needs to click their profile picture which is located on the top left of the page, a dropdown menu with the settings link will be shown, once the user clicks the button, they would be taken to the settings page.	This makes sure that the user can customise the task manager, and allows them to delete their account if they want to.

	On the settings page, the users can change the background of the application to dark mode, They can change the font size of the application, They can change the notification setting, They can delete their account.	
Schedule	This is located on the schedule page and it shows the user their activities for the day	This is to keep the user aware of their daily schedule and the task they need to do.
Meal plan	This is located on the Meal plan page, it allows the user to add, edit and delete meal plans.	This is to keep the user aware of their daily Meal plan schedule and the task they need to do.
Exercise	This is located on the Exercise page, it allows the user to add, edit and delete exercise routines.	This is to keep the user aware of their daily Exercise schedule and the task they need to do.
Alert	It is located on the top left of the page, it is the bell icon beside the profile picture, it alerts the user if any reminders are about to be overdue	This makes sure that the user can easily be aware of any urgent reminders.

Background technologies

While developing this project I used the external opensource CSS framework and external called bootstrap. It is widely used by popular websites, and it is the leading option for the design of user interfaces.

Below are there external libraries I used and the links to them :

- https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css
  - This was used to implement the fonts and icons in the task manager, they are majorly used on the homepage and settings page

- https://fonts.googleapis.com/css?family=Roboto:300,400,500,700&display=swap
  - This was used to implement the fonts and icons in the task manager, they are majorly used on the homepage and settings page

- https://cdnjs.cloudflare.com/ajax/libs/mdb-ui-kit/4.1.0/mdb.min.cs
  - This was used to implement the fonts and icons in the task manager, they are majorly used on the homepage and settings page

- https://cdnjs.cloudflare.com/ajax/libs/mdb-ui-kit/4.1.0/mdb.min.js
  - This was used to create the responsive drop-down menu in the navigation bar of the task m manager.

- https://calendar.google.com
  - This is an embedded calendar that was implemented into the calendar page.

Annotated screenshots

Index/login page

There are clear instructions on what the user should put in each of the text fields

For validation added an alert box if the user type in the wrong email and password. Note

 email (test@mail.com)

password (tester123)

There are and visible subheading that chow what the app is for and what the page is used for.

I used a consistent black and gold colour scheme with blue, Black and gold text through out the task manager , in order to make it look more elegant and simplistic

The stylistics black and gold design is to cat the user attention and allow them to feel like they are using a professional task manager

The password text box is in a password type in order to increase security

Task Manager

Login

EMAIL

PASSWORD

Remember me

FORGOT YOUR PASSWORD?

SIGN UP   LOGIN

The remember me check box , it top make sure the users login details are saved , so they wouldn't need to log into the type in their details the next time they log in.

This feature would be implemented in the final project

The user can click the forgot you password link, which would take them to the forgot password page where they can reset their password with the use of their email address.

The login button is darker than the sign in button to indicate to the user that the button will log them into the website.

The button is dark because it involves back-end code where the features are checked against the database for authentication

The sign up button takes the user to the sign up page , where the user can register their account

This is the first page the user will see when they open the task manager. Its main purpose is to allow the user to log in to their personal task manager. It prompts the user to either create or log in to their account.

The functionality implemented in the page this page validates and authenticates the user's details against the database, if the login details are authorised when the user clicks the login button they are taken to their personal task manager. The "remember me" check box has not been implemented but is still interactable by the user, although it doesn't perform any function, it has been put there to show the user how the completed project would look. This page meets all the user requirements and has been updated to meet every possible scenario that could happen when the user tries to log into the website.

Sign-up Page

The heading and back ground are slightly different in other to allow the user to easily notice where the input fields are.

Only the important and necessary information is required from the user in other to make it simplistic .

The users email used for logging into the task manager and resetting the password.

The username used in the home page to welcome the user with their username

The password is used to log into the task manager , the user also needs re-enter their password to ensure that the user remembers their password when creating their account

There are clear instructions on what the user should put in each of the text fields

I used a consistent black and gold colour scheme with blue, Black and gold text through out the task manager , in order to make it look more elegant and simplistic

The forms are very similar the log in page, therefore the user can easily recognise how to use the page

Task Manager

Sign Up

EMAIL

USERNAME

PASSWORD
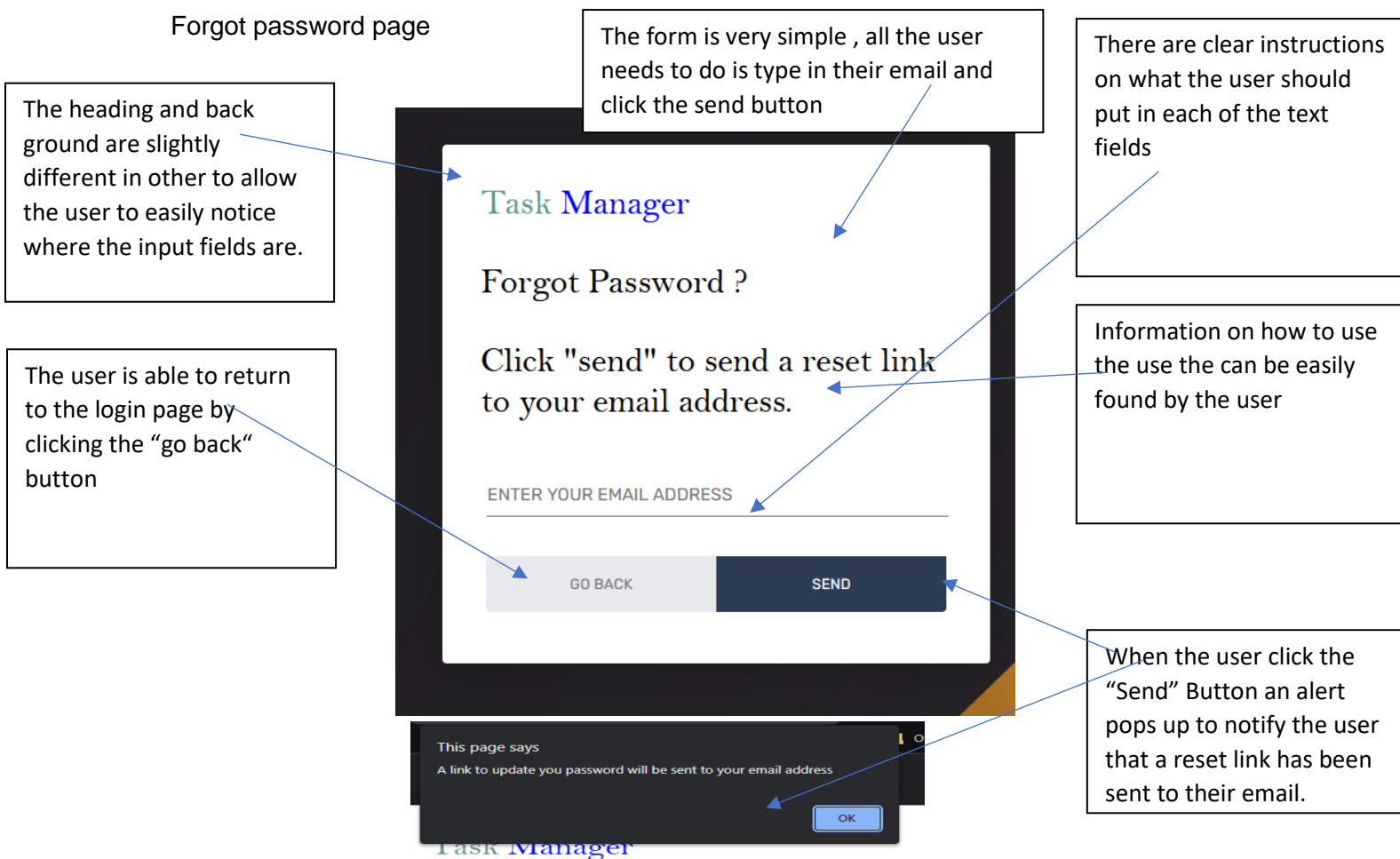
RE-ENTER PASSWORD

BACK   SIGN UP

The light and dark button allow the user to easily identify which button is the sign up button and which button would take them "back" to the login page . this is to make sure they can easily go back to the login page if they accidentally clicked navigated to the sign up

The password text box is in a password type in order to increase security

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This page is intended to allow the new user to create an account and signup into their personal task manager. This page is accessed by clicking the "signup" button on the login page. When the user is on the sign-up page, they are shown clear instructions on how to complete the signup form and what details they need to input. All the user requirements are considered in the functionality of the page because the user can navigate to the page from the login page, and create an account. they are also able to use that new account to log into their personal task manager.

The functionality of the page makes that the text fields are not empty when the user signs up. Further validation will be added to ensure that the user has typed in the right input, such as the validation of the user name to ensure it is over a certain number of characters. (10). or validating the password to ensure it is a combination of numbers and letters for security. Or validating the password to make sure both inputs are the same. The navigation and accessibility of the user have been considered on this page because the user can click the back button to get back to the login page or click the signup button to register their details

Forgot password page

The heading and back ground are slightly different in other to allow the user to easily notice where the input fields are.

The form is very simple , all the user needs to do is type in their email and click the send button

There are clear instructions on what the user should put in each of the text fields

Task Manager

Forgot Password ?

Click "send" to send a reset link to your email address.

Information on how to use the use the can be easily found by the user

ENTER YOUR EMAIL ADDRESS

The user is able to return to the login page by clicking the "go back" button

GO BACK   SEND

This page says
A link to update you password will be sent to your email address

OK

Task Manager

When the user click the "Send" Button an alert pops up to notify the user that a reset link has been sent to their email.

This page allows the user to send a reset link to their email address to reset the password for the account, this is in case the user wants to change their password or has forgotten their password. This page can easily be accessed by clicking the "forgotten password" which is located at the bottom of the login page. The user is shown very simple instructions on what to do the moment they open the page, if they input their email and click the send butted and reset link would be sent to their email address, they can use this link to then reset their password for their account. All the client requirements have been met because the user is shown the necessary features to reset their password.

The functionality of the page ensures that the text fields are not empty when the user clicks send. The user would need to type in a valid email before the user is allowed to click the send button. If the user does not type in their email and clicks send, an alert pop up tells the user to input a valid email address. The navigation and accessibility of the user have been considered on this page because the user can click the "go back" button to get back to the login page and the user is given a clear alert that the reset link has been sent when they click the "send" button. The user is also able to easily dismiss the pop up by just clicking the ok button that appears.

Home/dashboard page

Users profile picture is shown on the left of the page , this familiarises them with the task manager

The current date and time are shown to allow the user to keep track of their schedule.

s

The User is greeted with the use of their username.

TaskManager Home Schedule Calender Meal Plan Notes Excercise

27/05/2022
06:30 AM

My profile
Settings
logout

Welcome Bruce

Some text about me in culpa qui officia deserunt mollit anim..

Tasks left today:

- Pick up parcel
- Buy cereal
- Read a book
- Update notes from class

Today's reminders:

Attend student council meeting 01:30

Go and pray 16:00

Prepare for the house party 20:45

GO BACK

27/05/2022
05:30 AM

Homework due!!

study time

The user is shown the tasks that they have for the day. this keeps them organised.

The user is shown all the events that they have for the day and when they start. This keeps them organised.

The navigation bar allows the user to easily move through the pages on the task manager

The "go back" button allows the user to go to the last page they where at , this helps in the situation the user clicked a link/button by accident.

There is a consistent blend between the text and the background. This is consistent throughout the application

When the user clicks the profile picture , they are presented with a dropdown that that provides the link to the setting page and allows the user to logout of the of the application , this feature is consistent throughout the Task manager.

When the user clicks the bell icon they are shown the reminders that they have. this feature is consistent throughout the Task manager.

The home page is the main dashboard of the application, when the user logs into the application they are greeted with their username as well as their profile picture which is located to the left of the page . the user can see the tasks that they have left for the day and the daily reminders. there are subtle hints and reminders icons on the top left of the page to let the user know of the important tasks/reminders that are almost due, there is real time data and time which should help the user manage their time better when using the task manager.

The functionality of this page ensures the user can view the setting page with the use of the dropdown menu, they can also log out of the Task Manager with the "Log out the link which, is located in the Sam dropdown menu" their functionality of the page is simplified due to technical restraints, therefore, the home page does not auto update its data according to the changes in the schedule in the task manager. But this is intended to be fixed in the final project.

The navigation and accessibility of the user have been greatly considered on this page because the user can easily navigate to all the pages in the task manager with the use of the navigation bar at the top of the page and the "go back " button at the bottom of the page.

☰

TaskManager

Home

Schedule

Calender

Meal Plan

Notes

Excercise

27/05/2022
05:30 AM

🔔① 👤

Welcome Bruce

Some text about me in culpa qui officia deserunt mollit anim..

Tasks left today:

Pick up parcel
Buy cereal
Read a book
Update notes from class

d

Schedule page

This allows the
user to add a task
to their schedule

My Schedule

New Task | Start date | Expected completion

ADD

- Find Jake
- Study Mechanics
- Finish asos
- Update notes in the notes pages

GO BACK

The "Add" button allows
the user to add new tasks
to their schedule.

The "go back" button
allows the user to go to the
last page they where at ,
this helps in the situation
the user clicked a
link/button by accident.

The user can type in their
new tasks

This page allows the user to add the task to their schedule, you can navigate to this page by clicking the schedule link at the top of any page in the task manager. This page meets the user requirements because the user can add tasks to their schedule by typing the information into the text box and clicking the add button, this would update the list below

The functionality of this page ensures that the user can always add tasks to their schedule. Due to the limited technical knowledge of the creator, the user is unable to edit or delete the tasks in the schedule. this should be fixed in the final project.

The navigation and accessibility of the user have been greatly considered on this page because the user can easily navigate to all the pages in the task manager with the use of the navigation bar at the top of the page and the "go back " button at the bottom of the page.

Calendar Page

The embedded calendar allows the user to easily navigate through the past and future date
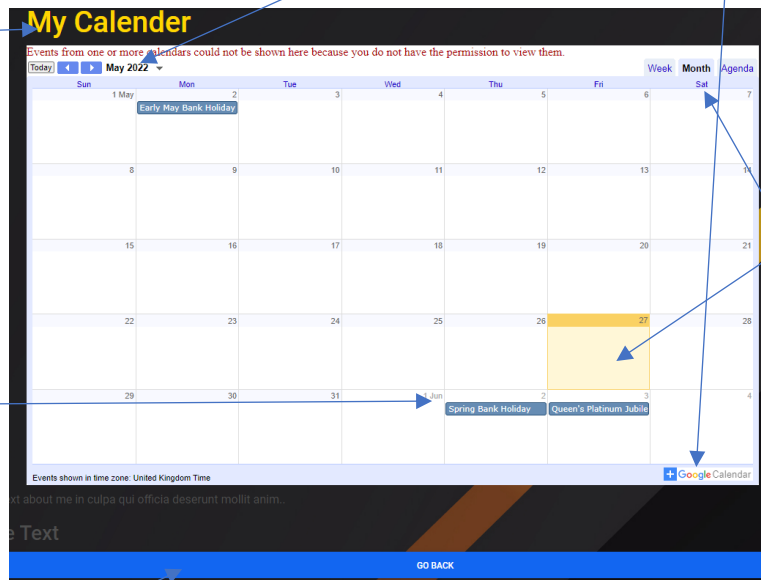
There is an external link that opens the users google calendar and allows the to add various activities to their schedule

The heading is clear and allows the user to easily be aware of what page they are on

The current day is highlighted and clear for accessibility.

Events and holidays are integrated into the calendar to help planning and scheduling

My Calender

Events from one or more calendars could not be shown here because you do not have the permission to view them.

Today ◀ ▶ May 2022 ▾   Week **Month** Agenda

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 May	2 Early May Bank Holiday	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1 Jun Spring Bank Holiday	2 Queen's Platinum Jubilee	3	4

Events shown in time zone: United Kingdom Time

➕ Google Calendar

xt about me in culpa qui officia deserunt mollit anim..

e Text

GO BACK

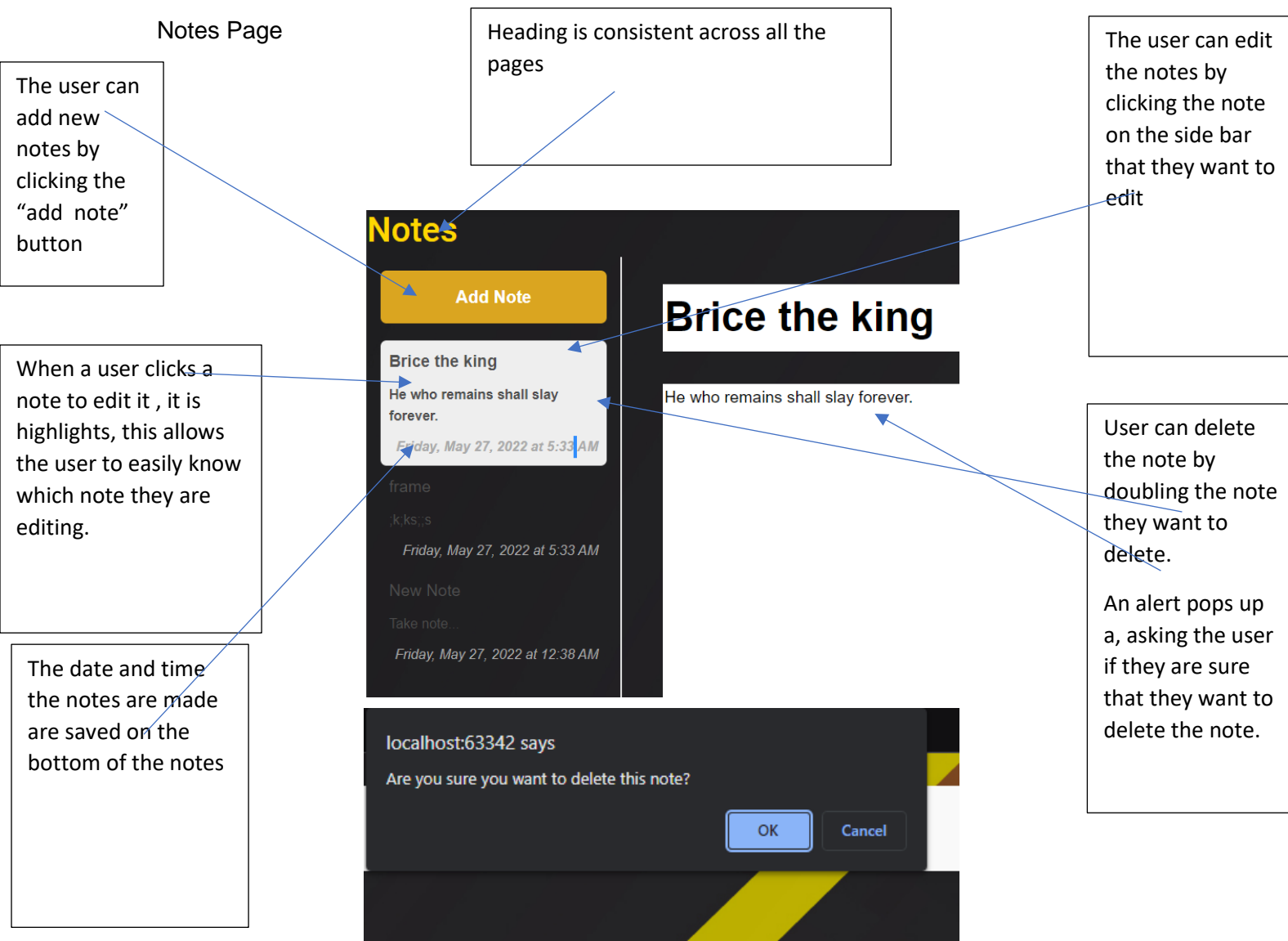These tabs allow the user to navigate through the calendar by the week months or days.

The "go back" button allows the user to go to the last page they where at , this helps in the situation the user clicked a link/button by accident.

This page uses an embedded calendar by Google that allows the user to keep track and plan for their upcoming events, the user can add and edit events as well as send these events to their google calendar. the user can navigate to this page with the navigation link "Calendar" at the top of the page.

The functionality of this page is simplified because the date does not auto update, but when the user refreshes the page it would update. This will all be fixed in the final product, the user would be able to add an event to the calendar which will update the schedule on the schedule page.

The navigation and accessibility of the user have been greatly considered on this page because the user can easily navigate to all the pages in the task manager with the use of the navigation bar at the top of the page and the "go back " button at the bottom of the page.

Notes Page

The user can add new notes by clicking the "add note" button

Heading is consistent across all the pages

The user can edit the notes by clicking the note on the side bar that they want to edit

When a user clicks a note to edit it , it is highlights, this allows the user to easily know which note they are editing.

The date and time the notes are made are saved on the bottom of the notes

Notes

Add Note

Brice the king
He who remains shall slay forever.
Friday, May 27, 2022 at 5:33 AM

frame
;k;ks;;s
Friday, May 27, 2022 at 5:33 AM

New Note
Take note...
Friday, May 27, 2022 at 12:38 AM

Brice the king

He who remains shall slay forever.

localhost:63342 says
Are you sure you want to delete this note?

OK   Cancel

User can delete the note by doubling the note they want to delete.

An alert pops up a, asking the user if they are sure that they want to delete the note.

This page allows the user to create, edit and delete their notes, this lets the user make quick reminders and add lists that they can use, they could also write an essay there, which allows the user to give a personal touch to their experience with the task manager. The user can navigate to this page with the navigation link "Notes" at the top of the page.

All functionalities have been added to the page but there is still room for improvements with the final project.

The navigation and accessibility of the user have been greatly considered on this page because the user can easily navigate to all the pages in the task manager with the use of the navigation bar at the top of the page and the "go back " button at the bottom of the page. The user is also able to easily add and edit notes.

Meal Plan Page

When a user clicks a note to edit it , it is highlights, this allows the user to easily know which Meal plan they are editing.
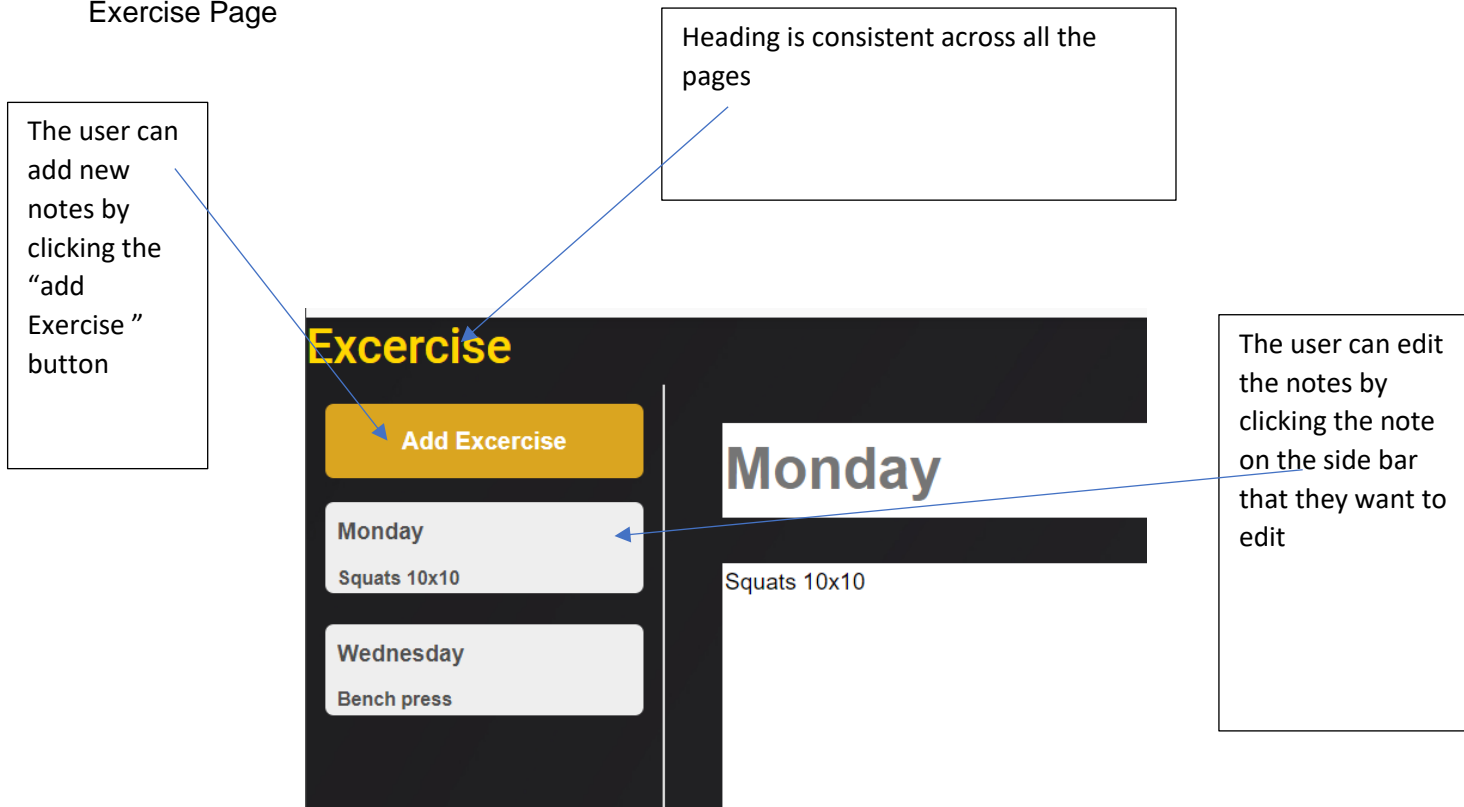
Meal Plan

| Monday |
| Spinach, rice and eggs |

| Tuesday |
| Spinach, rice and eggs |

| Wednesday |
| Spinach, rice and eggs |

| Thursday |
| Spinach, rice and eggs |

| Friday |
| Spinach, rice and eggs |

| Saturday |
| Spinach, rice and eggs |

| Sunday |
| Spinach, rice and eggs |

Monday

Spinach, rice and eggs
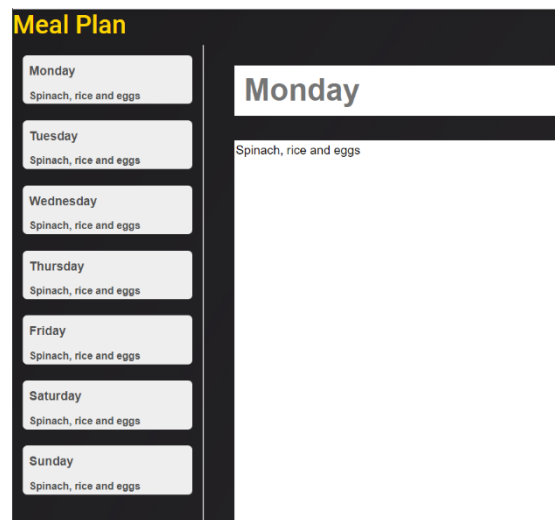
This page allows the user to view and edit their meal plans for the days of the week, this gives a personal touch to the website and allows the user to easily familiarise its users. The user can navigate to the page by clicking the "Meal Link" at the top of the page.

The functionalities of this page have been simplified as it only allows the user to edit the available meal plans. In the final product, the task manager should have a more user-friendly interface so the user can always update and edit their websites.

The navigation and accessibility of the user have been greatly considered on this page because the user can easily navigate to all the pages in the task manager with the use of the navigation bar at the top of the page and the "go back " button at the bottom of the page.

Exercise Page

The user can add new notes by clicking the "add Exercise " button

Heading is consistent across all the pages

Excercise

Add Excercise

Monday
Squats 10x10

Wednesday
Bench press

Monday

Squats 10x10

The user can edit the notes by clicking the note on the side bar that they want to edit

This page allows the user to view and edit their Exercises for the days of the week, this gives a personal touch to the website and allows the user to easily familiarise its users. The user can navigate to the page by clicking the "Exercise" at the top of the page.

The functionalities of this page have been simplified as it only allows the user to add and edit the available meal exercises. In the final product, the task manager should have a more user-friendly interface so the user can always update and edit their Exercises.

The navigation and accessibility of the user have been greatly considered on this page because the user can easily navigate to all the pages in the task manager with the use of the navigation bar at the top of the page and the "go back " button at the bottom of the page.

Settings Page

This page uses a clean and simple design in order to not confuse the user

The user can easily change the change their email and password for their account entering the new email or password and clicking the blue button, this would save the new email or password for the user. This allows the user to easily customise their account.

The user has the option to chose between light and dark mode which would allow the user to change the appearance of the application to their liking.

The user can change the font of the website , this was to all the user to easily customise the website

The user can turn on or off the notifications from the website

The user can click the delete account button in red ,this was implemented in case the user wants to delete their account.

Settings
Dark Mode
Font Size
Desktop Notifications
Email Notifications
Change email address
Email address
Email address
CHANGE EMAIL
Change password
Password
Password
Password
CHANGE PASSWORD
DELETE ACCOUNT
GO BACK

This page says
Are you sure you want to delete your account ?
OK   Cancel

This page provides the user with options on how to customise their task manager, they can change the appearance of the account detail and they can delete their account. this page meets all its user requirements and gives a lot of freedom to the user to customise their Task manager to their personal preference. The user can access the page by clicking their profile picture on the top right of the page, a dropdown menu will appear showing the link to the setting page called "Settings" once clicked the user is taken to the settings page, and the setting was put by the profile picture because I believed it would be easily recognised by users.

The functionality of the page has been simplified because the toggle switches on the page do not do anything to the back end database, the delete account button takes the user to the login page. but these features will be applied in the final product. The main functionality of this page is aimed toward being able to delete the account and interact with the toggle switches.

The navigation and accessibility of the user have been greatly considered on this page because the user can easily navigate to all the pages in the task manager with the use of the navigation bar at the top of the page and the "go back " button at the bottom of the page.

The user can interact with all the buttons and switches on the page.

Heuristic evaluation and useability testing

In this evaluation, I would be using Neilson's 10 Usability Heuristics that are established in being able to reveal the flaws and help enhance the usability of a product from the early stages of development. These 10 heuristics are shown below and have been numbered for reference.

Number	Heuristic
1	Visibility of system status
2	Match between system and the real world
3	User control and freedom
4	Consistency and standards
5	Error prevention
6	Recognition rather than recall
7	Flexibility and ease of use
8	Aesthetic and minimalist design
9	Help users recognise, diagnose and recover from errors
10	Help and documentation

Severity rating

The severity rating which is used for each of the 10 heuristics is listed below.

Severity Ranking	Description
0	I don't agree that this is a usability problem at all
1	Cosmetic problem only. Need not be fixed unless extra time is available on project
2	Minor usability problem. Fixing this should be given low priority
3	Major usability problem. Important to fix, so should be given high Priority
4	Usability catastrophes. Imperative to fix this before product can be released

End-User Evaluation form

POINT SYSTEM EQUIVALENT CODES MARKS 5 -

0: I disagree that this is a usability problem at all

1: Cosmetic problem only. Need not be fixed unless extra time is available on project.

2: Minor usability problem. Fixing this should be given low priority

3: Major usability problem. Important to fix so it should be given high Priority

4: Usability catastrophes. Imperative to fix this before the product can be released

1. Based on your knowledge what severity rating would you give for the visibility and status of the Task Manager (0-4)

2. Based on your knowledge what severity rating would you give for the Match between the system and real word situation for the Task manager (0-4)

3. Based on your knowledge what severity rating would you give for the User's control and freedom while using the Task Manager (0-4)

4. Based on your knowledge what severity rating would you give for the Consistency and standards of the Task Manager(0-4)

5. Based on your knowledge what severity rating would you give for the Error prevention of the Task Manager (0-4)

6. Based on your knowledge what severity rating would you give for your Recognition rather than recall when using the Task Manager (0-4)

7. Based on your knowledge what severity rating would you give for the Flexibility and ease of use of the Task Manager (0-4)

8. Based on your knowledge what severity rating would you give for the Aesthetic and minimalist design of the Task Manager (0-4)

9. Based on your knowledge what severity rating would you give for the website that Helps users recognise, diagnose and recover from errors while using the Task Manager (0-4)

10. Based on your knowledge what severity rating would you give for the Help and documentation of the Task Manager (0-4)

Feedback

Heuristic Number	Sharan Arvid	James gun	Esther Popoola	Noor Simmer	Taku Malawi
1	0	0	0	0	0
2	0	0	0	0	0
3	3	2	1	2	1
4	2	2	3	3	3
5	1	3	2	1	2
6	0	0	2	1	0
7	1	0	0	0	1
8	0	0	0	0	0
9	1	1	1	1	2

| 10 | 2 | 1 | 1 | 1 | 2 |

Heuristic Comparison

Based on my thoughts and findings alongside the consideration of responses and feedback. The comparison below is based on my thoughts and the feedback from the end users.

Visibility of system status 1

Heuristic Number: 1

Severity Ranking: 1

Description:

There are multiple ways to go back to the previous page, the user can see which page they are on, and they can tell which dashboard page they clicked. The user can also see the urgent notifications on the Home page-Dashboard about any new and important notifications

Evidence/Justification:

The homepage shows the users the urgent activities they have for the day and any activity that has a high rating.

On all other pages, there is a clear way to go to the previous page by clicking the "Back" button on the page, the user can go to previous pages for the application, there is also a heading at the top left of the page that allows the user to know what page they are at if the user is in the Calendar page, all they need to do is click the back button on the bottom to go to the previous page or click the "home" on the breadcrumbs to get to the home page.

I chose the severity rating 1 because I believe that the application allows the user to easily navigate through the application, but it can still be upgraded by including a tab system which would allow the user to access all pages easily from any of the webpages by just clicking the tab link for the page they are interested.

Match between system and the real world 2

Heuristic Number: 2

Severity Ranking: 2

Description:

The prototype uses real worlds languages and phrases, for example, the schedule page and the meal-plan page which are commonly used terms around the world.

Evidence/Justification:

The design uses the user's language e.g "English " and also uses common terms and abbreviations in its labels and links.

The application looks like a physical daily planner that the user should be used to, it also allows the user to make plans for their daily exercise and meals which the user must do every day. but there

can still be room for improvements because there can be icons beside the links to allow the user to easily notice what the lick is used for. I an icon is used in the settings button, we all know the bolt icon is universally used for the setting option in applications and mobile devices,

To improve the application I would need to add easily understandable icons to all the buttons and links.

The severity ranking of 2 was given because the application uses some icons but does not use them on all buttons.

User control and freedom 3

Heuristic Number: 3

Severity Ranking:

Description: 2

The user must have or create an account to be able to use the web application, the user is also able to easily navigate through the application, with the use of the back buttons and the

Evidence/Justification:

The user needs an account in other to access the website, therefore without an account, they would not be able to get to the home page, once the user is logged in they are easily able to navigate through the applications. There is also a delete button on the settings page that the user can use to delete their account, this allows the user to easily chose whether they want to keep their account on the system or not.

The severity rating is because the application meets the requirements but there is still much room for improvements.

Recommendation:

I should add an option to switch accounts so the user can easily switch accounts, I should also add an undo button so that the user can easily go back to their previous change.

Consistency and standards 4

Heuristic Number: 4

Severity Ranking: 1

Description:

The buttons have a consistent design and have consistent outcomes, and with the names of the buttons, the user can tell what the buttons are meant to do.

Evidence/Justification:

The similar buttons on the pages perform similar actions, For example, all the "**back**" take the user to the previous page and all the and all the setting links take the user to the settings page, the user can easily distinguish where all the buttons are taking them to, they will be able to easily identify what page they are at and what page they need to go to. All the pages are consistent and easy to understand.

The severity ranking 1 was given because the application is very consistent but there is still room for improvement.

Recommendation:

I can make the application more consistent and simpler so the Task Manager can become easier to use.

Error prevention 5

Heuristic Number: 5

Severity Ranking: 0

Description:

On the setting page, there is a delete account button, once the user clicks that button, they are given a notification that asks them if they are sure they want to delete their account, if this was accidental, they can click "**Cancel**" to stop the action.

The user is also unable to enter a wrong username or password when logging into their account when creating an account the user must enter a valid email address or the application would not let them create an account

Evidence/Justification:

When creating an account in the application the user will be unable to input the wrong email address, this shows that the application makes sure that the user can create a valid account without any errors.

On the setting page, if the user clicks the delete button, they have the option to undo this because a pop up comes up to ask the user if they are sure that they want to delete their account.

The severity ranking 0 was given because the user can easily able to go back when they make any errors while using the application.

Recognition rather than recall 6

Heuristic Number: 6

Severity Ranking: 3

Evidence/Justification:

This is because although most of the field labels or menu items are easily retrievable, some are not. Certain functionalities require the user to remember information from one part of the interface to another. This is evident on the Notes page. While the "add note" button is available, the "edit note" and "delete Note "button is not. Users are expected to click on the existing note so that the edit panel is deployed. Users need to double click on the note and then click "Yes" to delete the note.

Flexibility and efficiency of use 7

Heuristic Number: 7

Severity Ranking: 2

Description: This is because the user is unable to interact with the application, such as dragging and dropping routines in the schedule.

Evidence/Justification

I should add buttons like set a reminder or turn on dark mode on the home page so the user doesn't need to go to the settings page to make those updates to the application.

I set the severity ranking to 2 because the does not allow easy and flexible use. The task manager can be improved by making the icons ad buttons more interactable.

Aesthetic and minimalistic design 8

Heuristic Number: 8

Severity Ranking: 1

Description: the user can easily navigate through the application.

Evidence/Justification:

The application has a very plane design and does not have any minimalist design, it does have the option for the user to change the appearance to dark mode but that is all there is.

Recommendation

I could also merge the calendar and schedule pages to give it a more simplistic and artistic design.

Ability to identify and recover from errors 9

Heuristic Number: 9

Severity Ranking: 0

Description: when signing in the user is given a notification if they are entering the wrong credentials, the user will be notified that they are inputting the wrong credentials.

Evidence/Justification:

The user is easily able to recover from errors thanks to the notifications that they get when they input the wrong credentials into the login. Another example would be the delete account button which asks if the user is sure that they want to delete their account. This allows the user to notice the errors they made and easily fix them before they become a problem for them or their schedule.

Help and documentation 10

Heuristic Number: 10

Severity Ranking: 4

Description: there is no help option available, I judged that the application is very easy to understand so it was not needed.

Evidence/Justification:

The application does not have any help functions or documentation that would allow the user to make help the user if they do not understand the page, it was judged that the page was too easy to use.

Recommendations

Add a help button on the setting page that gives the user information about how to use the page, where all the buttons are located and how to create an event in the schedule, this would allow them to easily adapt to the new application and get used to using it.

Usability testing – unmoderated

1. **Problem:** There is no validation on the sign-up page, the user could easily type in the wrong details

    Solution: This can be fixed by adding some validation to the sign-up page.

2. **Problem:** The user is unable to add tasks on the home page. The user cannot edit tasks on the schedule page or the home page.

    Solution: implement add tasks and edit tasks functions to both the pages**.**

3. **Problem:** the user is sometimes unable to navigate to the settings page.

    Solution: I would remove the setting link from the dropdown menu and move it to the navigation bar

4. **Problem:** The notes are limited to a single text type.

    Solution: implements a function to allow the user to choose from multiple text styles.

5. **Problem:** many functions and buttons have no effect.

    Solution: Program the switches to customise the task manager based on their purpose.

Feedback and discussion

Based on the feedback I got from my 5 end users and the observations from usability testing, I found out that the strongest point in my Task manager is the aesthetic and design throughout the application, the general layout of black and gold gas impressed most of the users. But I still believe there is still room for improvement, therefore I left the heuristic evaluation at 1.

Based on the feedback my biggest weakness would be the consistency and standard of the task manager, there are too many inconsistencies in the application and they don't all have the same grid, and when some labels load in later than the other, inconsistencies appear in the application.

The feedback I got from my end users is very likely to influence my future design of this task manager and thanks to their feedback, I am aware that I need to give the heuristic()consistency and standards) my highest priority to make the perfect design.

Conclusion

The prototype has a lot of shortcomings and needs many updates before it can become ready for sleepless and anxiety filled students. The application needs to look simpler and more artistic to easily attract their attention and ensure effective use. The project was made to be a task manager for a student to easily navigate through work and social life, they would be able to schedule and plan activities ahead of time.

I have followed the original idea of the task manager and kept most of its baseline features (e.g., the settings page) while focussing on a breadth of features with a smaller focus on some of the functionality of the task manager. In other for further development I should include familiar icons in the navigation bar of the task manager to make it easily accessible to users.