

*Department of Information Technologies - Faculty of
Engineering, Natural and Medical Sciences*

FENMS [030] - HUMAN - COMPUTER
INTERACTION - UI/UX

FINAL PAPER

SCHEDULEIT- Personalized daily planning app

Professors:
assistant Nihad Obralić,
prof. Samed Jukić

Students:
*Berina Crnčalo, Faris Isaković, Adela
Kovač, Aldin Teletović, Tarik Šopović*

Sarajevo, 19.01.2025.

Table of Contents

TABLE OF CONTENTS.....	2
ABSTRACT.....	3
INTRODUCTION	4
USER ANALYSIS / TARGET AUDIENCE	5
INTENDED USER GROUP	6
TASK ANALYSIS.....	7
PROJECT PLAN.....	9
1. FUNCTIONAL REQUIREMENTS:	9
2. NON-FUNCTIONAL REQUIREMENTS:.....	10
WIREFRAMES.....	11
DESKTOP DESIGN WIREFRAMES	12
MOBILE DESIGN WIREFRAMES.....	22
APP DESIGN.....	27
IMPORTANT SEGMENTS.....	27
1.1. LOGO	27
2.1. COLOR AND TEXT PALLETE	28
3.1. COMPONENTS AND THEIR STATES	28
USABILITY SPECIFICATIONS FOR TESTING.....	30
UX PRINCIPLES APPLIED (DESKTOP).....	30
1. JAKOB'S LAW	30
2. LAW OF PROXIMITY.....	31
3. VON RESTORFF EFFECT	32
4. FITTS'S LAW	32
5. OTHER GOOD UX PRACTICES FOR SCHEDULEIT	33
6. UX PRINCIPLES APPLIED TO SCHEDULEIT (MOBILE DESIGN).....	33
7. NIELSEN'S HEURISTICS FOR SCHEDULEIT	34
FIGMA PROTOTYPE.....	35
1. DESKTOP DESIGN URL	35
2. MOBILE DESIGN URL	35

ABSTRACT

ScheduleIt is a flexible and user-friendly planning app created to make organizing personal and work schedules easier. Through thorough research, analysis, and teamwork, we intended to develop a solution that addresses users' main challenges, like complicated interfaces, insufficient customization, and unnecessary features.

This document provides a clear overview of our development process, including user research, idea generation, and design implementation. The first steps included outlining user profiles, pinpointing essential features, and defining functional and non-functional needs.

Wireframing was done using Balsamiq, allowing us to create simple representations of the app's layout and organization. In the prototyping phase, Figma was used to realize the design, emphasizing interactive elements, navigation, and realistic user experiences.

The project focuses on a user-friendly interface, main features like task lists, reminders, calendar views, and offline usage, as well as advanced tools such as AI support and mindfulness resources.

Informed by user input, the app includes careful design choices, such as a soothing color scheme and adaptable layouts, to guarantee accessibility and usability on various devices.

This document outlines our path from idea to a working prototype, explaining the steps taken to develop a practical, engaging, and easy to-use planning app that seeks to boost productivity and encourage a balanced, stress-free lifestyle.

INTRODUCTION

Upon completing our research and design process, the ScheduleIt application is now ready for implementation. Every critical task has been carefully addressed, and comprehensive documentation has been prepared to guide future development. This document offers a detailed overview of the work done so far, including:

1. User Analysis – Identifying and understanding our target audience, their needs, and challenges.
2. Task Analysis – Breaking down the app design into smaller, manageable components to ensure functionality aligns with user goals.
3. Wireframes – Initial low-fidelity sketches showcasing the general flow and structure of the app from the user's perspective.
4. App Design – A complete and realistic design for all app screens, created using Figma, ensuring visual and functional consistency.
5. Core Components – Highlighting key segments such as the text base, color schemes, and navigation elements.
6. Usability Specifications – Detailed guidelines for testing and evaluating user interaction and satisfaction.
7. Application of UX Principles – Examples of how core UX principles were integrated to enhance usability and engagement.
8. Figma Prototypes – Links to high-fidelity designs for both web and mobile interfaces.
9. High-Fidelity Design – Finalized, detailed designs demonstrating the app's polished look and functionality.

This document serves as a comprehensive reference, providing a clear roadmap from research and ideation to a fully realized design for ScheduleIt.

USER ANALYSIS / TARGET AUDIENCE

During the user analysis stage for ScheduleIt, we clearly determined our target audience to ensure the app fulfills their needs and expectations. Our main users are individuals seeking an easy and effective method to manage their daily activities. This includes students managing academic deadlines, professionals handling work tasks, parents balancing family duties, and freelancers tracking client obligations. Understanding that time is valuable, ScheduleIt is built with simplicity and efficiency in mind. Users can arrange their schedules and tasks in just a few steps, making the app easy to use, even for those trying it for the first time. The goal is to provide a planning experience that feels simple, with task creation, reminders, and calendar updates taking under five minutes to complete. For more experienced users, ScheduleIt provides extra features like AI-based task prioritization, collaboration tools, finance tracking and mindfulness options, catering to those wanting to improve their productivity and maintain mental well-being. These features are optional, ensuring that casual users are not overwhelmed, while advanced users can explore additional capabilities. Our dedication to user-focused design also includes accessibility and flexibility. ScheduleIt is designed for use in various settings, whether users are planning on the go, during study times, or at work. The interface adjusts to different devices, from mobile phones to desktops, ensuring a seamless experience on any platform.

In conclusion, ScheduleIt is for anyone wanting a dependable, adaptable, and easy way to arrange their personal and professional lives. By reducing effort and boosting utility, the app helps users take charge of their time, regardless of how busy their schedules might be.\

INTENDED USER GROUP

Who the Application is for:

ScheduleIt primarily targets a global audience of young adults aged 18–24 (78%), with a smaller but significant portion aged 25–35 (7.3%) and 35–44 (14.7%). Most users are women (60%) and primarily iOS users (55%), though Android users (45%) make up a substantial part of the audience.

Behaviors:

Users are a mix of occasional planners (39%) and more consistent users (24.4% use planning apps several times a week, 14.6% daily). They value simplicity in app design, with 65.9% preferring easy-to-use, feature-light apps. A smaller but engaged group (34.1%) prefers advanced functionality and customization. Most users plan for both personal and work-related tasks.

User Needs:

Key features users prioritize include task lists (63.4%), reminders (63%), and calendars (51%), with strong interest in organizing tasks by category (41.5%) and integrating with other tools (19.5%). They also appreciate mindfulness tools (70%), collaborative features (56.1%), and long-term planning options. Users expect an app that simplifies task management, offers flexibility, and saves time while helping them stay mentally balanced.

Challenges and Pain Points:

Many users feel overwhelmed by current apps due to overly complex features, irrelevant notifications, and time-consuming setups. They find some apps poorly suited to work ethics, lacking useful templates, or too rigid. Additional frustrations include high costs for premium plans, intrusive ads, and a lack of practical tools for daily use.

TASK ANALYSIS

To create ScheduleIt, we organized the app's design and development into clear and manageable tasks, allowing for a consistent workflow.

We identified the following tasks:

Task 1: Theme and Branding Definition

We start by setting the app's colors, fonts, and logo, creating a unified and relaxing visual identity. The chosen colors purple, black, and white were selected for their blend of clarity, sophistication, and calmness, which match the app's objectives.

Task 2: Home Screen Design

The home screen was crafted to instantly engage users with an easy-to-understand layout. It acts as the main center for managing tasks, reminders, and calendar access, making navigation simple and helping users stay on track with their objectives.

Task 3: Onboarding, Registration, and Login

A smooth onboarding process guides users through the app's features without causing confusion. The registration and login screens are user-friendly and consistent, offering quick sign-in options via email, social media, or biometrics.

Task 4: Task and Calendar Management

This is the core feature of the app, enabling users to easily create, organize, and prioritize tasks. The interactive calendar view gives a clear summary of daily, weekly, and monthly activities. Features like drag-and-drop task organization and AI-assisted prioritization further simplify planning.

Task 5: Customization and Preferences

We added customization options to help users adapt the app to their needs. These include personalized themes, custom alerts, and task categories that fit their individual schedules and priorities.

Task 6: Mindfulness Features

To promote mental health, the app includes mindfulness tools such as quick breathing exercises, focus timers, and positive affirmations. These features aim to help users lower stress and maintain a good work-life balance.

Task 7: Finance Tracking Integration

To give users a complete planning experience, we developed a finance tracking tool. This feature enables users to keep track of daily expenses, set budgeting goals, and connect tasks to financial activities, ensuring easy expense management.

Task 8: Collaboration Features

Shared task channels and collaborative calendars let users plan and manage tasks with teams, families, or study groups. These features are user-friendly and promote teamwork and responsibility.

Task 9: Offline Mode Integration

To maintain functionality without internet, we developed offline mode. This allows users to create tasks, track finances, and update their plans without disruptions, with all data syncing when connectivity is available again.

Task 10: User Acceptance Testing (UAT)

Thorough UAT was performed to find areas to improve. Testers completed necessary tasks such as adding a new event, using mindfulness tools, tracking expenses, and switching between screens, which helped us enhance the app's usability.

Task 11: Bug Fixes and Final Release

After addressing feedback from UAT, the app underwent detailed bug testing. Any problems were fixed to ensure it runs smoothly, and the app was set for release on multiple platforms, including Android, iOS, and desktop.

Task 12: Post-Release Support and Updates

Continuous tracking and updates were scheduled to respond to user suggestions, enhance functionality, and add new features, making sure that ScheduleIt stays relevant and helpful as time goes on.

PROJECT PLAN

1. Functional Requirements:

1.1. Task Management:

Users will be able to efficiently organize their daily activities and priorities.

- Task Creation: Users can create tasks by providing details such as a title, description, due date, and priority level. Tasks can be categorized into predefined sections (work, personal, school) or custom categories created by the user.
- Task Updates: Users can edit, delete, or mark tasks as complete to keep schedule up-to-date.- Recurring Tasks: Support for creating tasks that repeat on a daily, weekly, or monthly basis, simplifying repetitive planning.

2.1. Calendar and Schedule Management:

Users can visualize their schedules and manage tasks effectively through an interactive calendar.

- Users can view their schedules in daily, weekly, or monthly formats.
- Tasks can be dragged and dropped on the calendar to reschedule them quickly.
- Integration with external calendars like Google Calendar or Outlook will allow users to sync and view all commitments in one place.

3.1. Reminders and Notifications:

By using this we ensure users never miss deadlines or important events.

- Users receive timely reminders for upcoming tasks, which can be customized (e.g., 10 minutes or 1 hour before).
- Notifications are simple, with options for vibrations, sounds, or silent alerts.

4.1. User Authentication:

By having a secure login system only authorized users can access their personal data, which insures data integrity and safety.

- Registration: Users create accounts by providing their name, email, and password, and verifying their account through email or phone number.
- Login: Users log in with their credentials to access the app. After logging in, they are redirected to the dashboard.
- Account Management: Users can update their personal details and change their password.

5.1. Customization:

Users can personalize the application to suit their preferences.

- Change themes and color schemes to create a visually pleasing interface.
- Group tasks by categories or tags for better organization.

6.1. Offline Mode:

Users will be able to create and edit tasks or update their schedules without a necessary internet connection.

- All changes sync automatically once the device reconnects.

7.1. AI-Powered Assistance:

Smart features optimize task management and scheduling.

- The app can prioritize tasks based on deadlines and importance.
- Templates for daily schedules or recurring tasks are generated based on user behavior.
- Users can create tasks automatically by scanning documents or uploading PDFs.

8.1. Collaboration (Optional):

Users can work with others to plan and execute tasks effectively, if they want to.

- Share task lists or calendars with family, friends, or colleagues.
- Assign roles or deadlines within shared tasks for better teamwork.

9.1. Mindfulness and Stress Management Tools:

This feature provides simple tools to help users stay focused and stress-free.

- Include features like guided breathing exercises or progress reflections.

10.1. Financial Planning:

Users can track expenses related to tasks or projects.

- Set spending limits and compare actual vs. planned expenses.

2. Non-Functional Requirements:

1.1. Performance:

Fast load times (under 2 seconds) and smooth performance for up to 10,000 tasks are essential to ensure the app can efficiently handle large volumes of user data.

2.1. Scalability:

The app must be scalable to accommodate up to 1 million users and facilitate the seamless addition of future features.

3.1. Security:

End-to-end encryption and secure authentication guarantee data privacy, aligning with the need for strong user data protection.

4.1. Availability:

High uptime (99.9%) and support for offline mode ensure the app remains reliable and accessible, even without an internet connection.

5.1. Usability:

An intuitive design and adherence to accessibility standards ensure the app is user-friendly for diverse user groups, aligning with the focus on a minimalistic and easy-to-navigate interface.

6.1. Compatibility:

iOS and Android compatibility, along with cross-device syncing, ensures a seamless and consistent experience across platforms.

7.1. Localization and Backup:

Support for multiple languages and secure data backups emphasizes user inclusivity and ensures the safety of their information.

8.1. Ethical Standards:

An ad-free experience with a transparent privacy policy ensures a trustworthy app that prioritizes user data protection.

WIREFRAMES

Every wireframe in ScheduleIt is carefully made to clearly show the layout, flow, and features of the application's user interface. These wireframes aim to give a straightforward and user-friendly display of how users will engage with the app. By showing the wireframes in order, users and stakeholders can easily track the user path through the app, from signing up and creating tasks to using mindfulness tools and finance tracking options. Each wireframe highlights clear navigation, effective task management, and a smooth user experience, guaranteeing that the design aligns with the app's purpose of simplifying daily planning. Moreover, the wireframes feature detailed notes for important functions, such as task prioritization, calendar integration, collaborative tools, and offline mode indicators, providing a thorough overview of the app's features. This method allows for accurate feedback during the design stage, making sure ScheduleIt effectively meets user requirements.

DESKTOP DESIGN WIREFRAMES

The image displays two wireframe screenshots of a desktop application interface, labeled Fig. 1 and Fig. 2.

Fig. 1 - Login Page: This screenshot shows a login form titled "Login". The form instructions say "please enter your login details to log in." It contains fields for "Email" and "Password", a "Forgotten password?" link, and a "Login" button. Below the form are links for "Don't have an account?" and "Register here". The top right corner features a logo consisting of a grid of squares with the letters "SCHEDULE" written across it.

Fig. 2 - Registration Page: This screenshot shows a registration form titled "Registration". The form instructions say "Let's get you registered!". It contains fields for "First name", "Last name", "Email", "Password", and "Phone". Below these fields are two checkboxes: "Terms and Conditions" (checked) and "Subscribe to our newsletter" (unchecked). A "Register" button is at the bottom of the form.

Fig. 1 and 2 - Login and Registration pages

The Login Page acts as the landing page for the ScheduleIt application, clearly showcasing the app's logo to strengthen brand recognition and create a professional initial impression.

The Login Page is organized as an auto-layout card, which smoothly shifts into the Registration Form for new users. Users can easily switch back to the Login Form from the registration page if necessary, promoting easy and intuitive navigation.

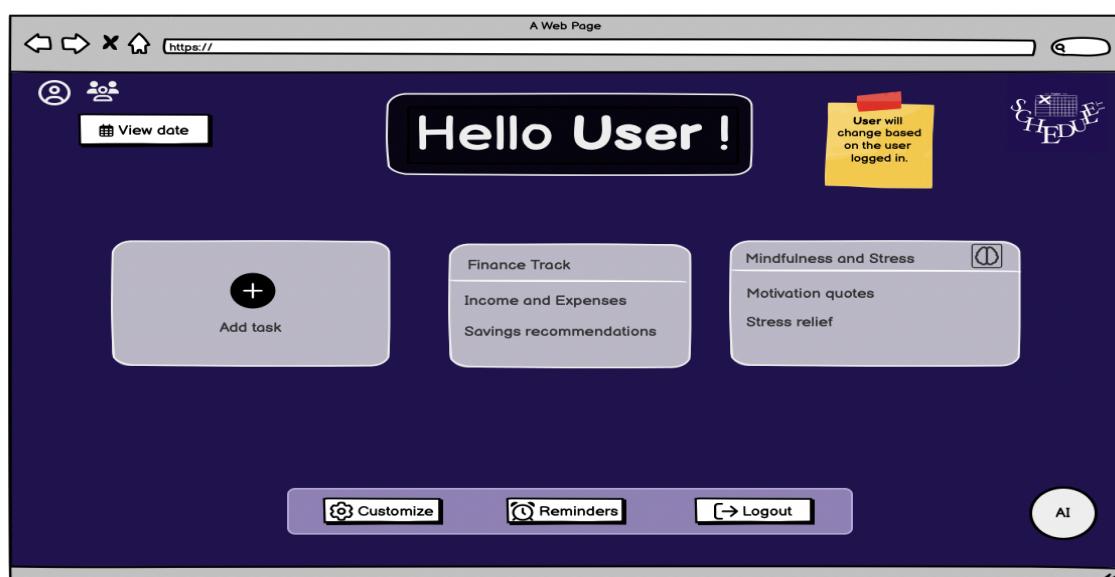
The Registration Page allows new users to set up an account by filling out the following required fields:

- First Name
- Last Name
- Email Address (checked for accuracy)
- Phone Number
- Password (checked for strength and safety)

Extra components include:

- A Terms and Conditions Checkbox that users need to accept before continuing, ensuring compliance and transparency.
- An optional Subscribe to Newsletter Checkbox for users who want to receive updates, tips, and promotions.

The page is created for ease and user-friendliness, making sure all required fields are well labeled and straightforward to complete. Error handling is in place for incomplete or incorrect submissions, with immediate feedback to assist users throughout the process. Both the Login and Registration Pages are fully adaptable and optimized for different devices, keeping a clean, easy-to-access interface while focusing on user convenience.



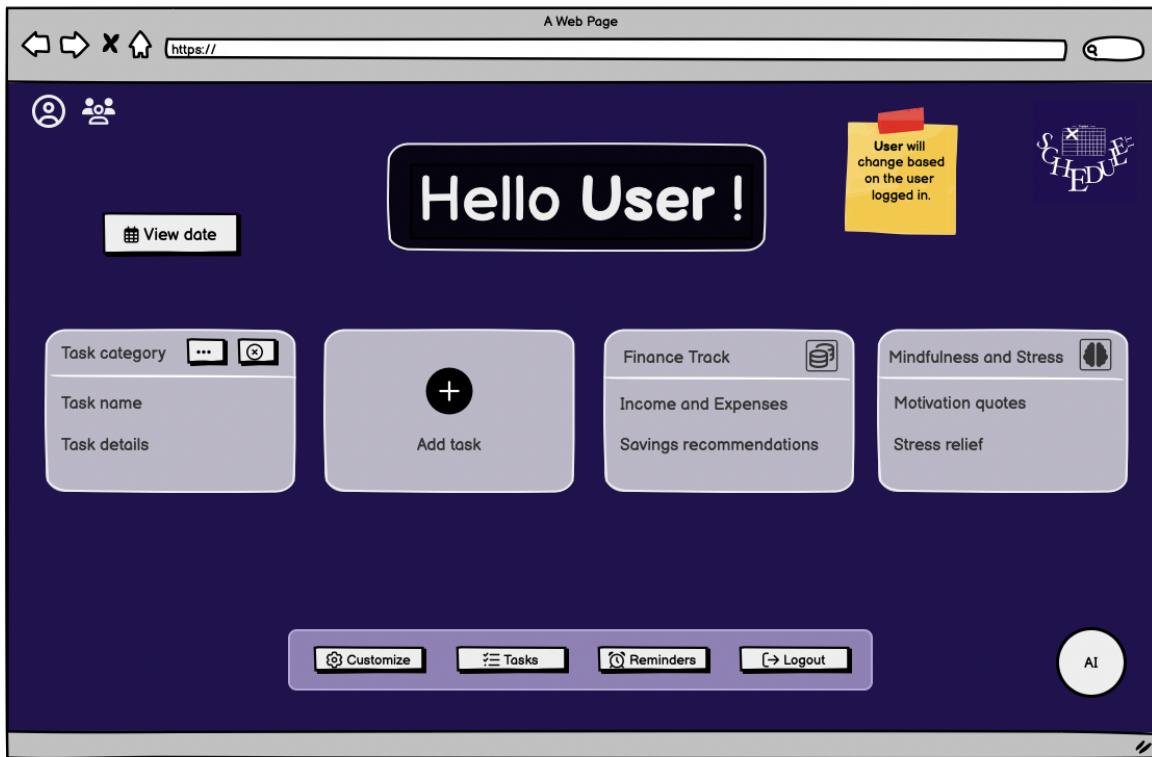


Fig. 3 and 4 – Main page without and Main page with tasks

The homepage in ScheduleIt serves as the primary interface for user engagement, designed to provide a cohesive and intuitive user experience. Its layout dynamically adapts based on whether or not the user has added tasks, ensuring functionality and ease of navigation in both states. The ScheduleIt homepage adapts based on whether tasks are added.

Main Page Without Tasks features:

- Profile, Collaboration, View Date, and Welcome Message.
- Add Task button, Finance Tracking (income/expenses, savings recommendations), and Mindfulness/Stress Relief (quotes, tips).
- Customization, Reminders, AI Assistant, and Logout.

Main Page With Tasks adds:

- Task Categories, Delete Tasks, and detailed Task Info (name, details).
- A task management dashboard with dynamic updates as tasks are added or completed.

Design Philosophy

The homepage ensures a seamless transition between states, offering consistency in layout and navigation while adapting content based on user activity. This approach balances functionality and simplicity, empowering users to efficiently manage their schedules and well-being.

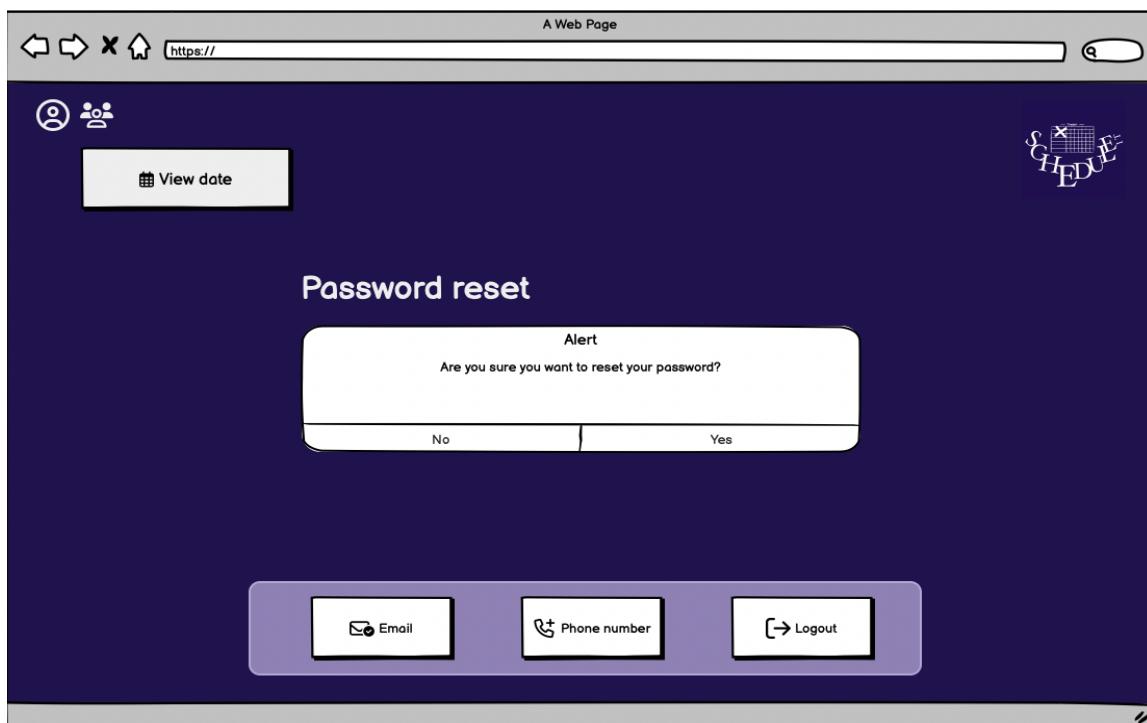
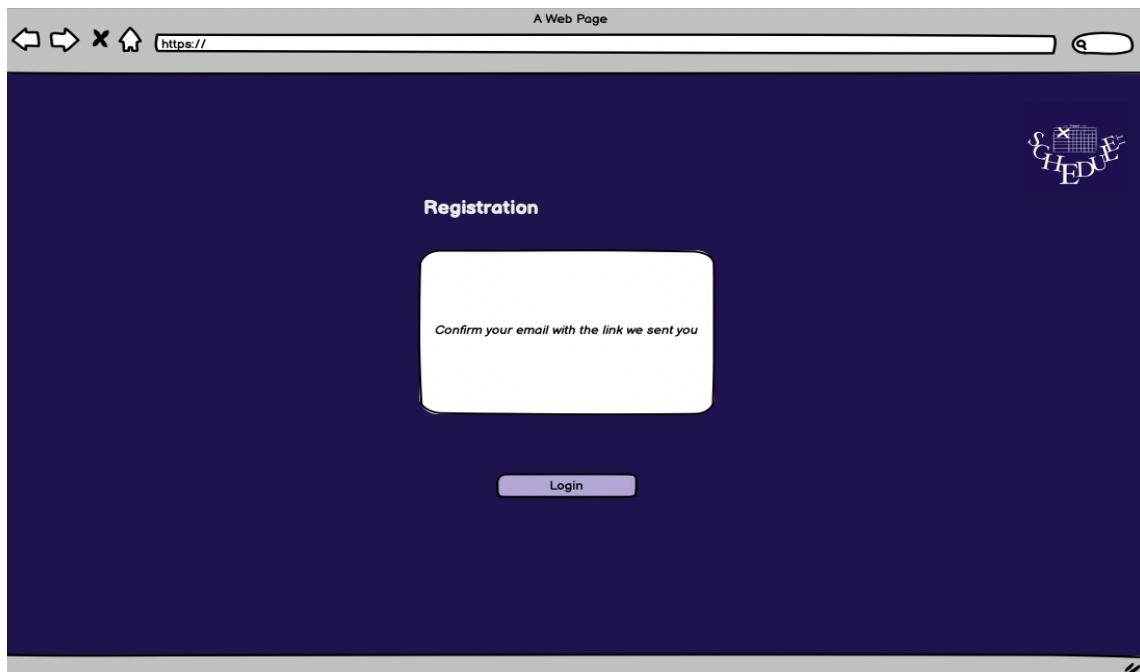


Fig. 5 and 6 – Registration confirmation and Password reset Modals

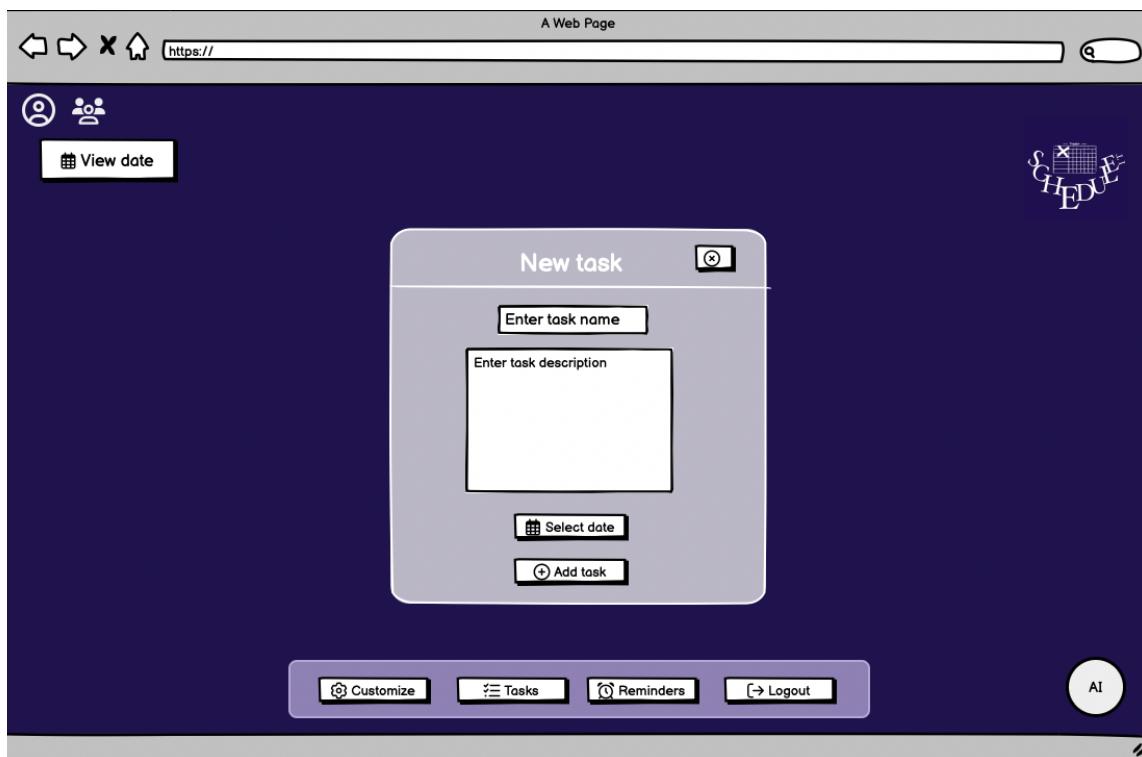
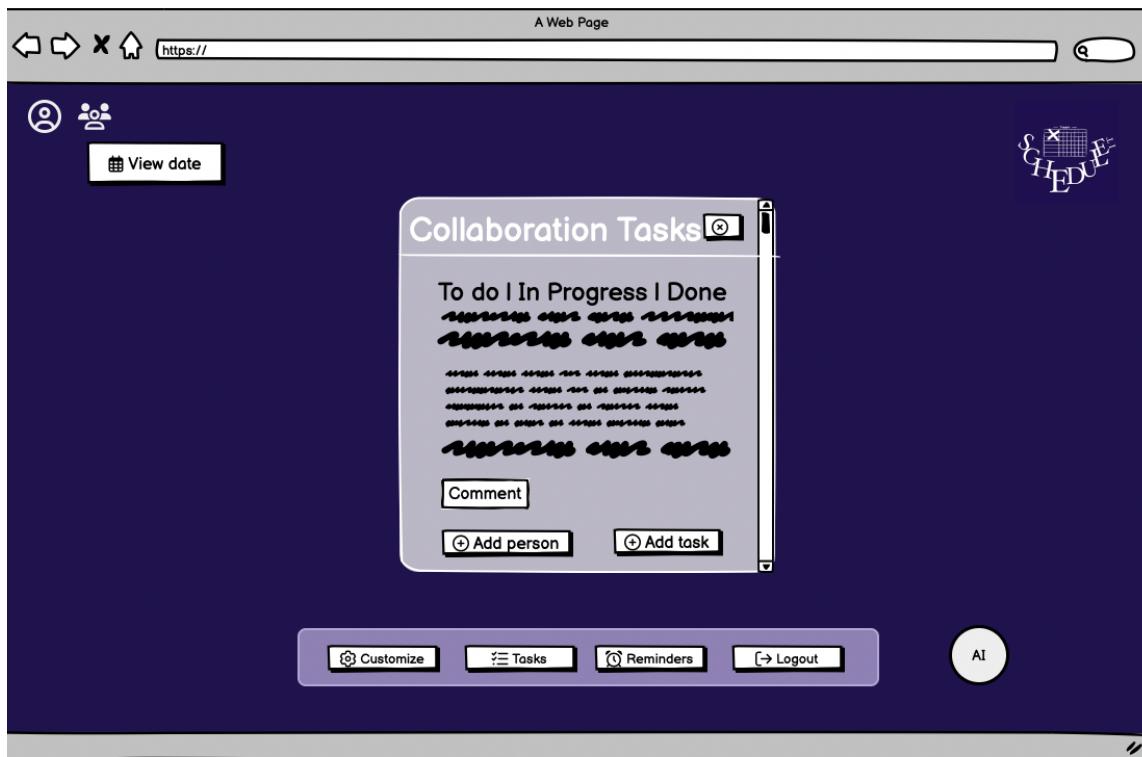


Fig. 7 and 8 – Collaboration and New Task Modals

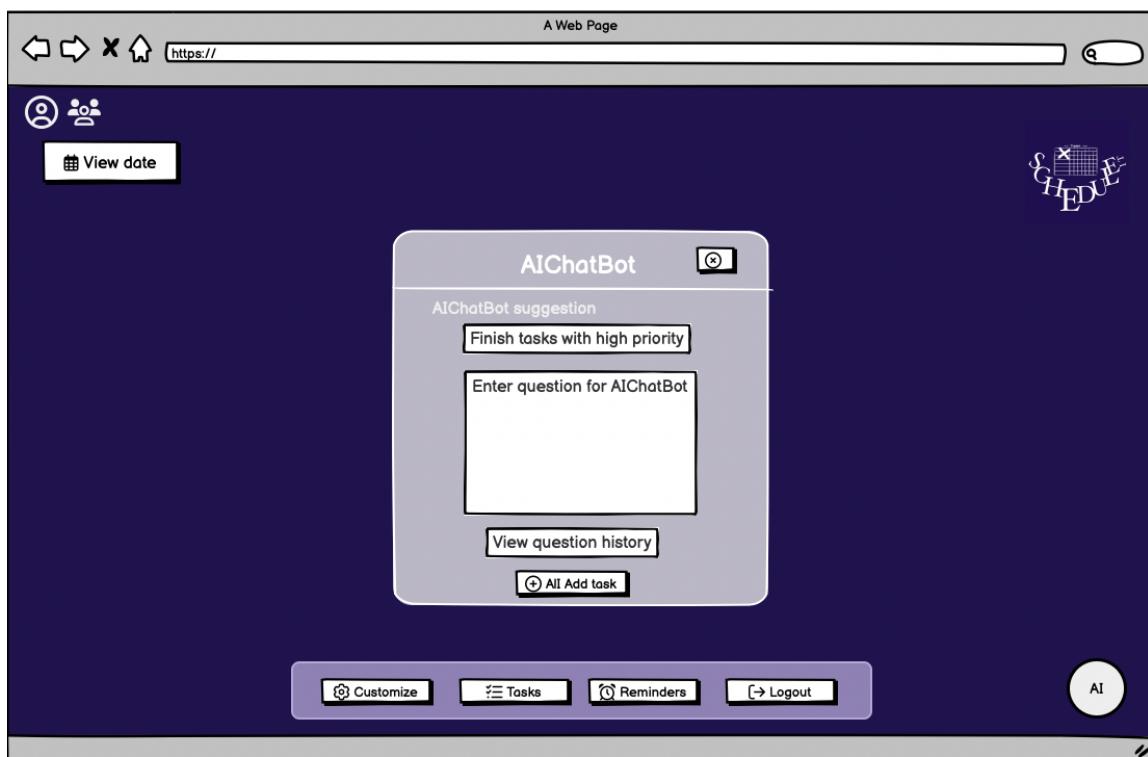
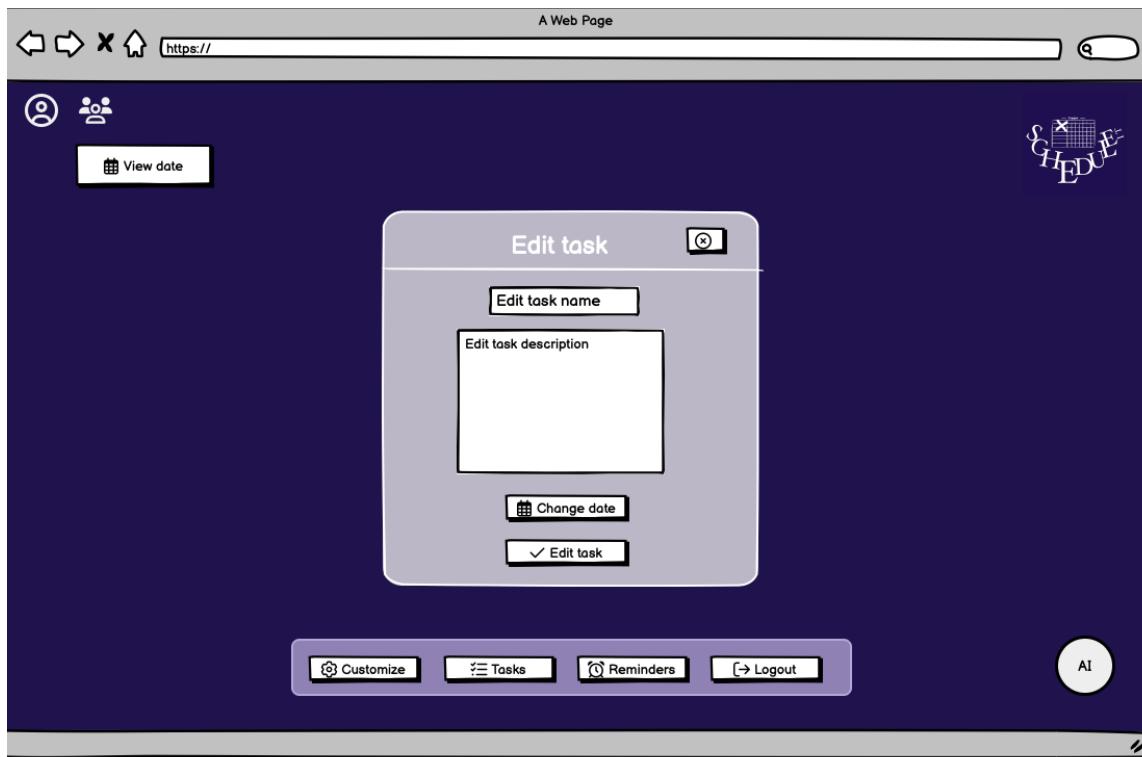


Fig. 9 and 10 – Edit Task and AIChatBot Modals

Modals in ScheduleIt are designed to offer a focused and seamless user experience, enabling users to interact with key features without interrupting their workflow or leaving the main page. Key modal

windows such as Add Task, Edit Task, AIChatbot, Collaboration, Registration Confirmation and Reset Password Confirmation provide quick access to essential functions. These modals enhance user engagement by allowing users to manage their tasks, receive assistance, and perform necessary actions efficiently, all while maintaining a smooth navigation flow throughout the app.

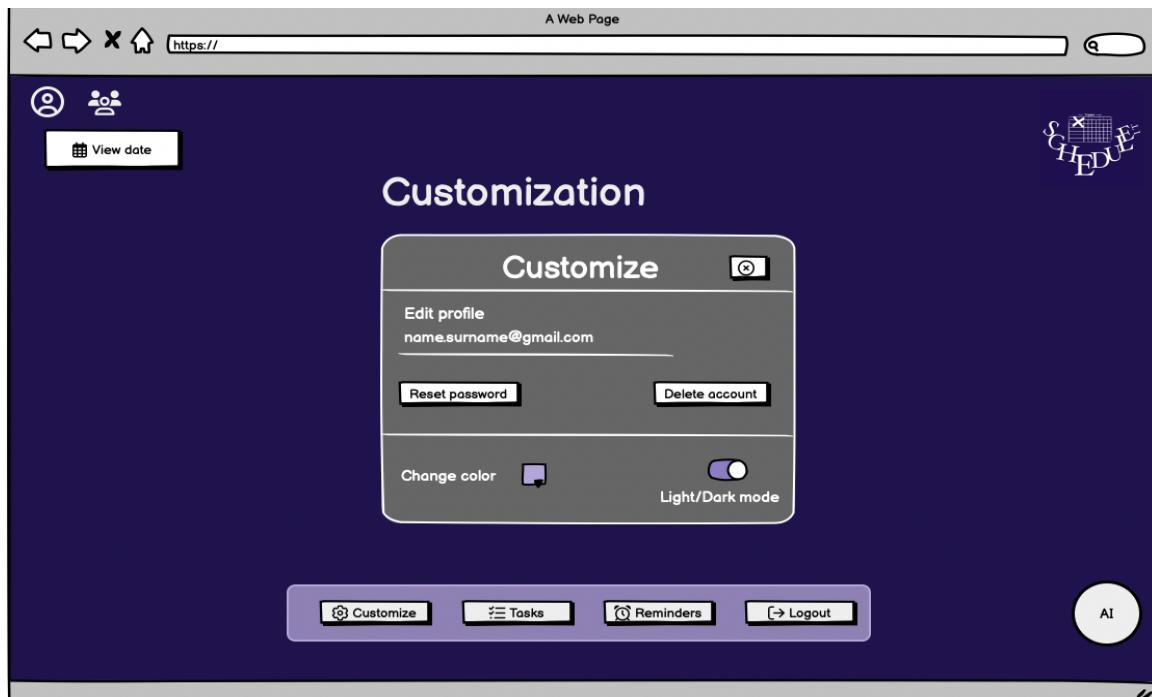


Fig. 11 and 12 – Customization and Reminders Pages

The Customization page offers users the ability to personalize their experience within ScheduleIt, allowing them to adjust settings such as colors, light/dark mode, and email used. This page empowers users to tailor the app to their needs, enhancing comfort and usability. It is not a mandatory part of the application flow but provides valuable options for those who wish to optimize their experience.

The Reminders page serves as a helpful tool for users to stay on top of important tasks and deadlines. It allows users to set reminders for various events, meetings, or personal goals. While not essential for all users, it provides an important resource for those looking to improve their time management and task tracking within the app.

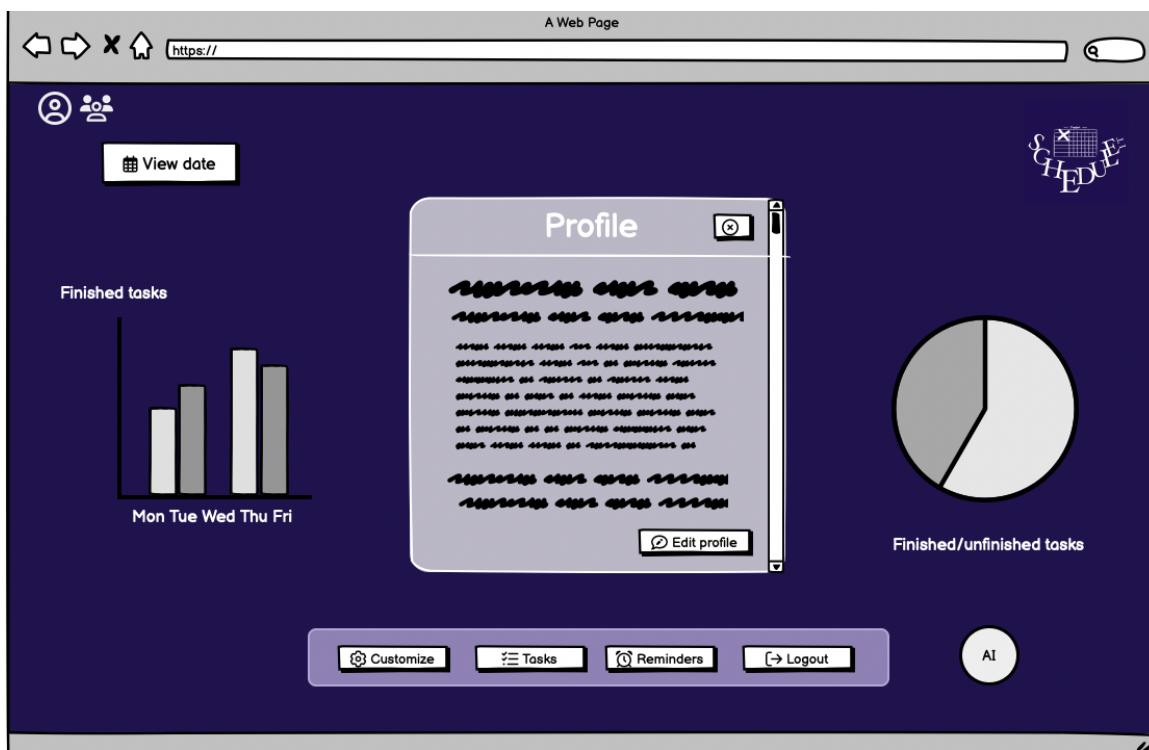


Fig. 13 – Profile Page

The Profile page acts as a main area where users can see and control their personal information, like their name, contact details, and profile settings. This page lets users change their preferences and make sure their account details are correct. Although not required for daily use, the Profile page offers important options for users who want to personalize their account and handle their personal information within ScheduleIt.

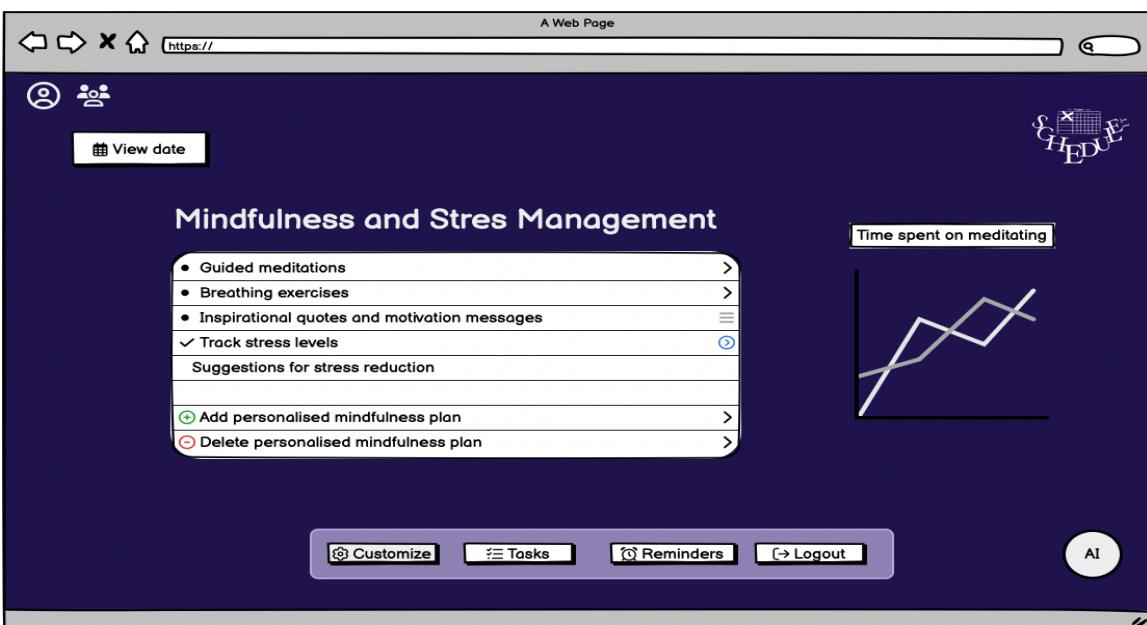
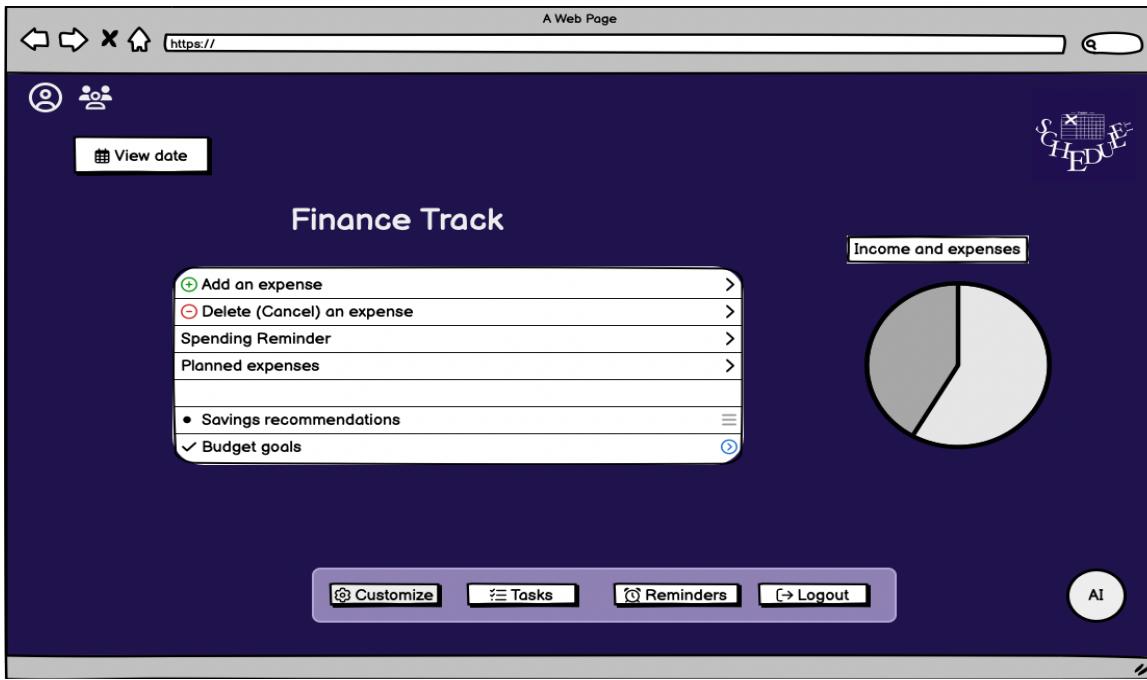


Fig. 14 and 15 – Finance Track and Mindfulness and Stress Management Pages

The Finance Track page acts as a resource for users to oversee their financial health by tracking income, expenses, and obtaining savings tips. It is optional but a useful tool for users who want to keep an eye on their finances while managing their time. This page provides a straightforward view of financial activities, aiding users in making smart choices about their spending and saving practices.

The Mindfulness and Stress Management page gives users tools and resources to promote their mental health. Including inspirational quotes, stress relief strategies, and ways to handle anxiety, this page creates a soothing environment for users to relax and re-focus. Although it is not a key part of daily schedule management, it improves the user experience by encouraging a balanced and mindful way of being productive.

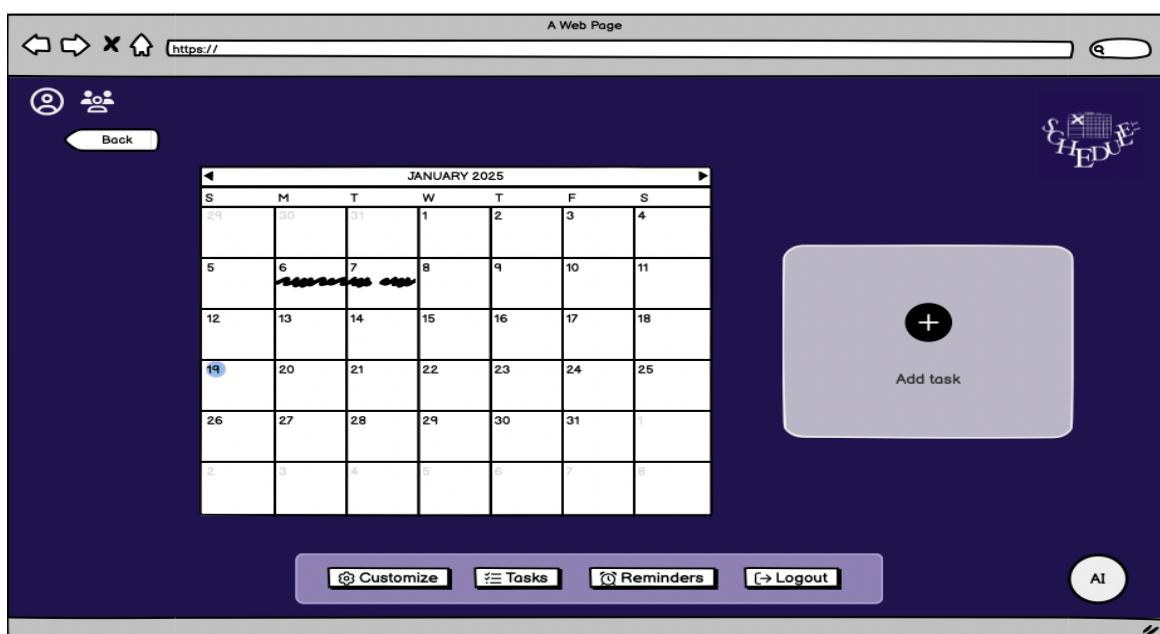
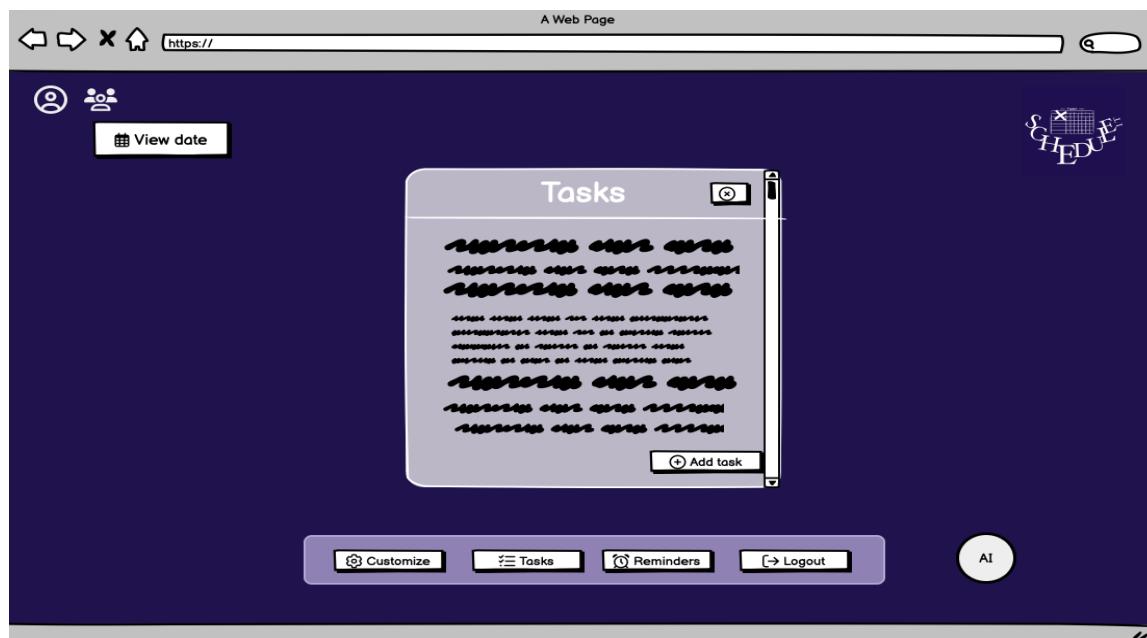


Fig. 16 and 17 – Tasks and Calendar Pages

The Task Page is the center for handling tasks within ScheduleIt. It allows users to see tasks, task details and remove their tasks, and also add them. This page is important for users who want to effectively manage their to-do lists, monitor progress, and keep everything arranged in one location. It creates a focused and organized space for users to stay on top of their duties and deadlines.

The Calendar Page connects with the task management system to give users a visual summary of their scheduled tasks and events. This page aids users in planning their time well by providing an interactive calendar view, where they can easily observe upcoming tasks, deadlines, and events. It improves time management by making it simpler to plan, arrange, and prioritize tasks in a straightforward and user-friendly way.

MOBILE DESIGN WIREFRAMES

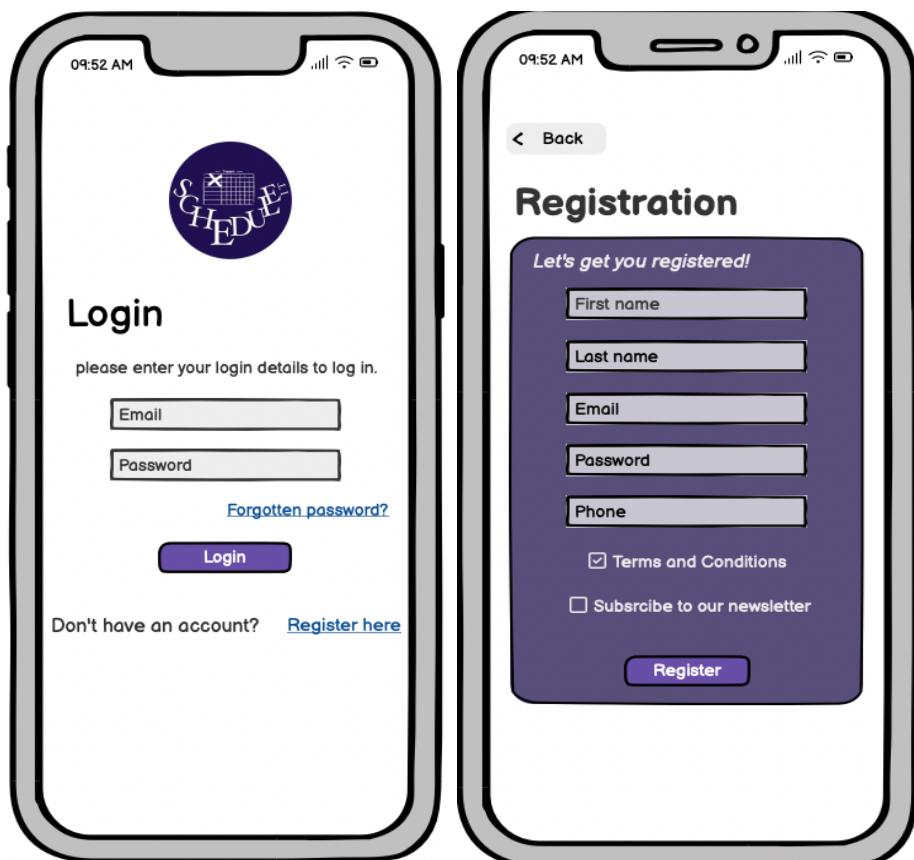


Fig. 18 and 19 - Login and Registration pages



Fig. 20 and 21 – Main page without and Main page with tasks

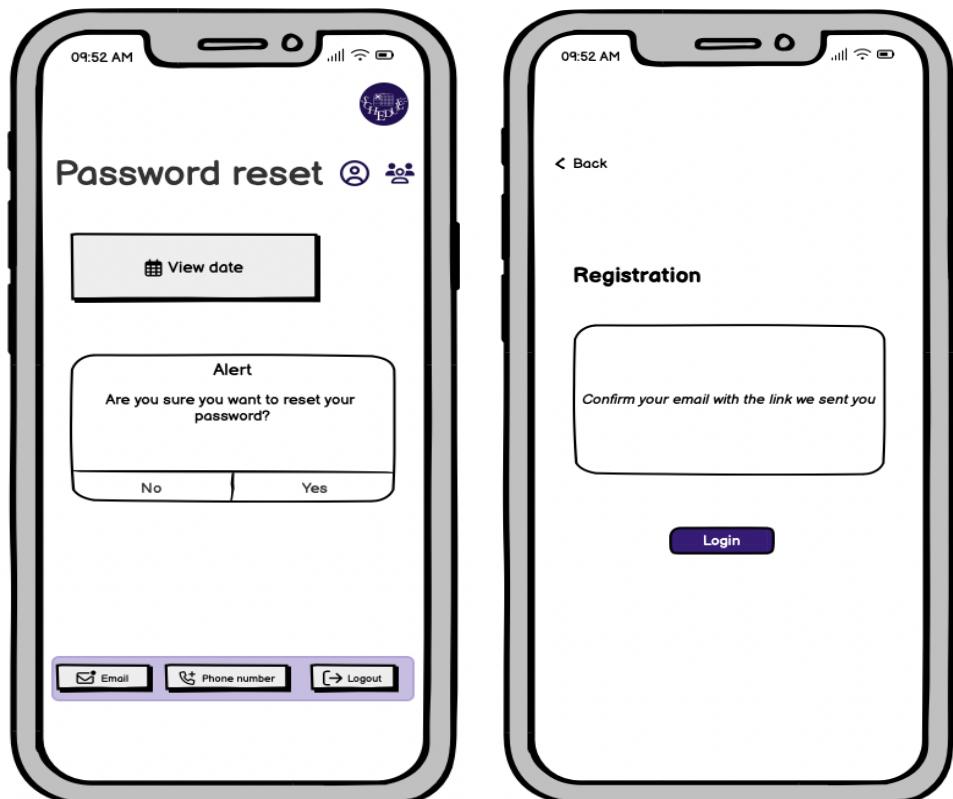


Fig. 22 and 23 – Registration confirmation and Password reset Modals



Fig. 24 and 25 – Collaboration and New Task Modals



Fig. 26 and 27 – Edit Task and AIChatBot Modals

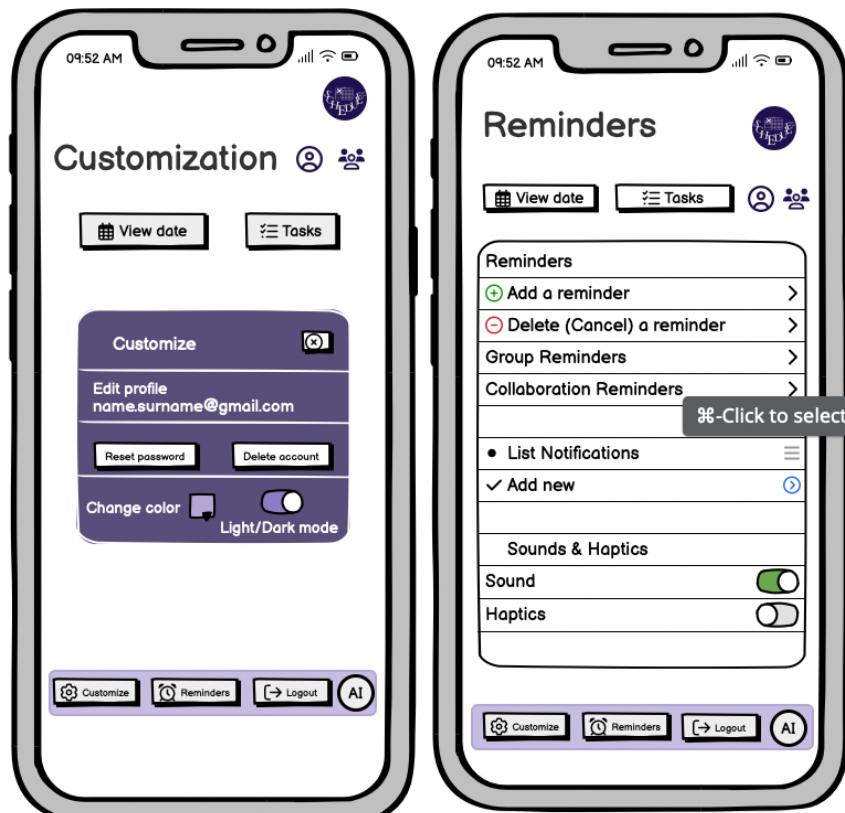


Fig. 28 and 29 – Customization and Reminders Pages

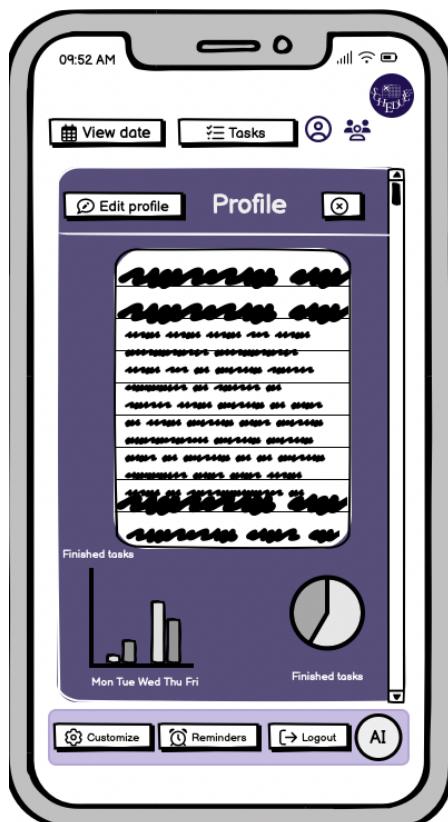


Fig. 30 – Profile Page

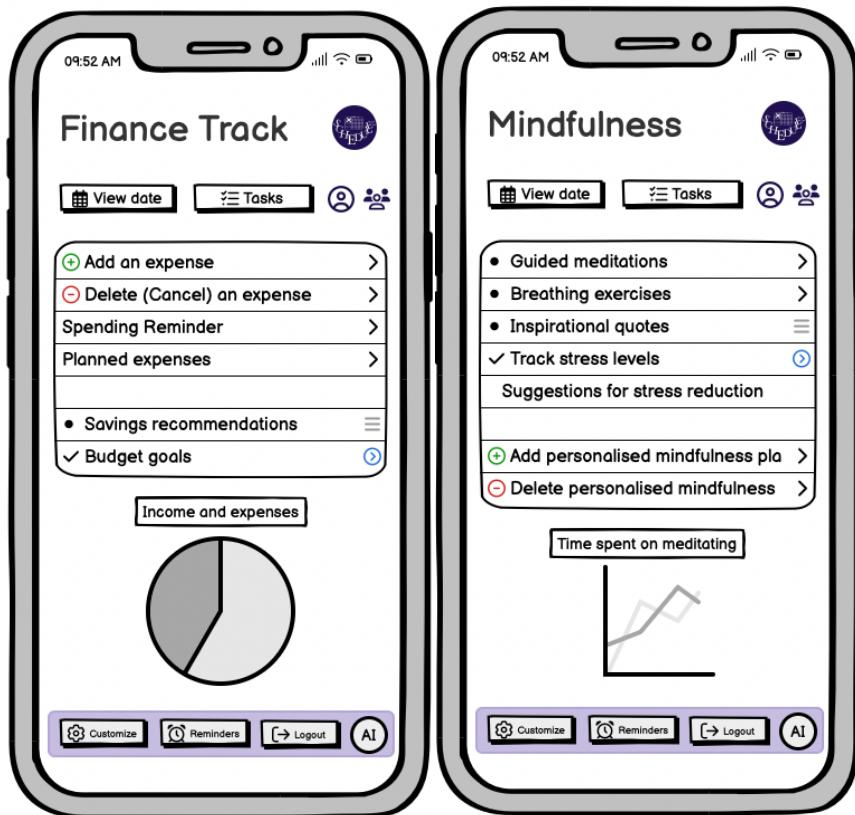


Fig. 31 and 32 – Finance Track and Mindfulness and Stress Management Pages

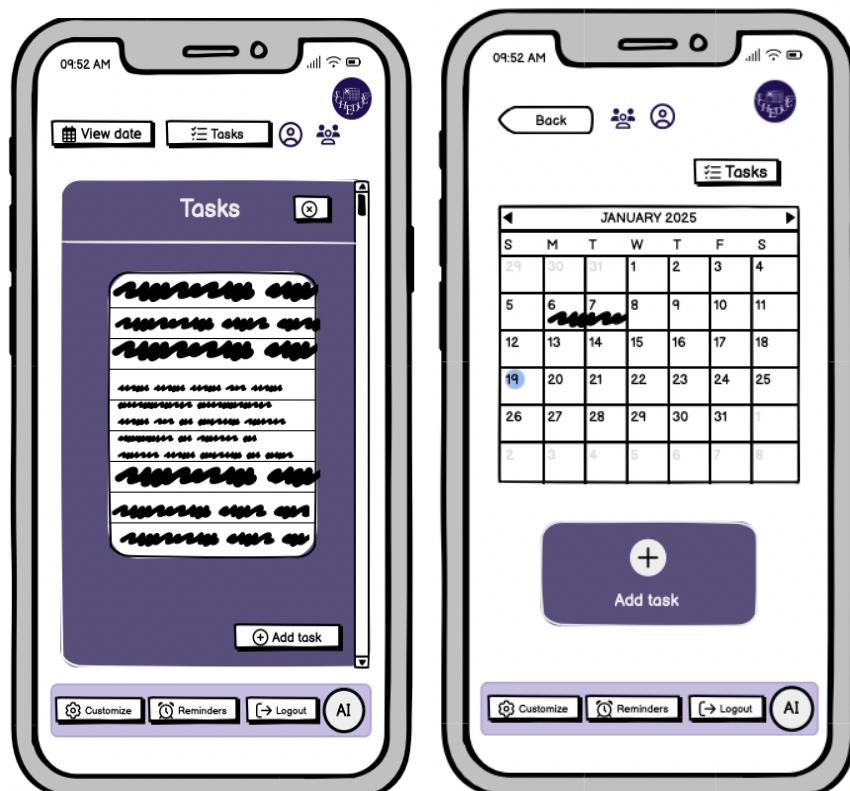


Fig. 33 and 34 – Tasks and Calendar Pages

APP DESIGN

The ScheduleIt design has been carefully made to provide an easy and intuitive user experience. Each screen has been created with interaction and simple navigation in mind, allowing a smooth flow throughout the app. Although the design is still developing and will be improved, the main focus remains on making it user-friendly and bettering the user interface based on ongoing feedback and testing. Because the design is dynamic, screenshots alone cannot fully show how the app behaves and interacts. Instead, a link to the Figma prototype will be shared, giving a clear view of the app's design and functionality at its current stage. We are dedicated to gradually improving the app, ensuring it adapts to the changing needs of users during development.

IMPORTANT SEGMENTS

1.1. Logo

The ScheduleIt logo features a clean and minimalist design, showcasing a calendar icon symbolizing organization and time management, with the "ScheduleIt" name placed below. The logo was created using an online logo creator and is consistently displayed in the app for easy recognition. This visual identity serves as a key design element throughout the application, reinforcing the app's purpose of scheduling and task management. The logo is prominently positioned in the navbar or side panels, offering users a direct link back to the homepage, facilitating easy and consistent navigation throughout the app.



Fig. 35 and 36 – Mobile and Desktop Logos

2.1. Color and Text Pallete

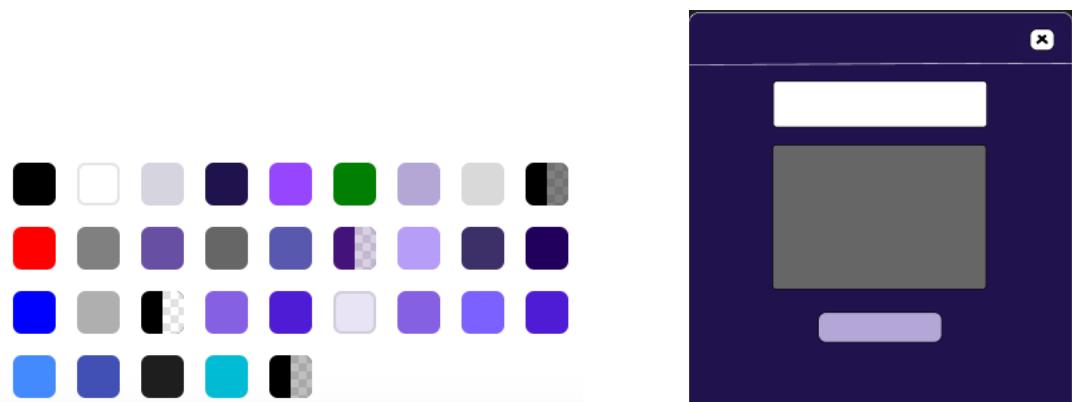


Fig. 37 and 38 – Color Pallete

The color palette for ScheduleIt is centered around soothing shades of purple, complemented by black and white tones. Purple serves as the primary color, conveying creativity, calmness, and productivity, while light purple accents highlight key elements like task statuses and reminders without being overwhelming. Black adds contrast and sophistication, making important features stand out. White provides a clean, spacious feel, ensuring the app remains easy to navigate. These colors together create a balanced, elegant design that enhances focus and usability while maintaining a calming atmosphere.

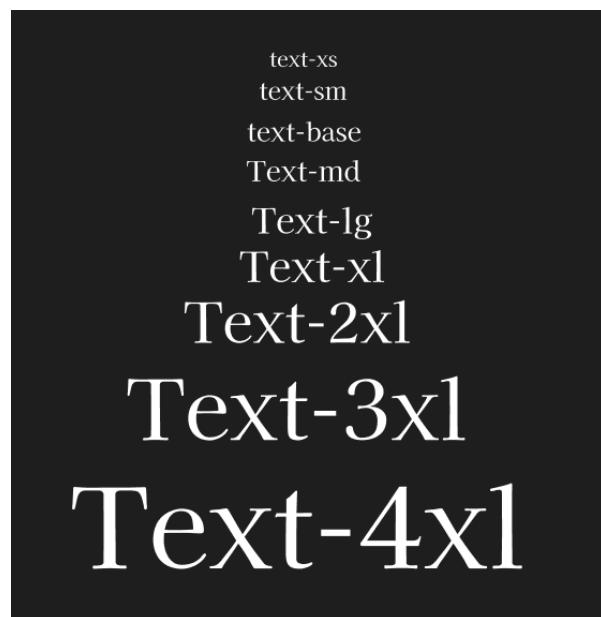


Fig. 39 – Text Pallete

3.1. Components and Their States

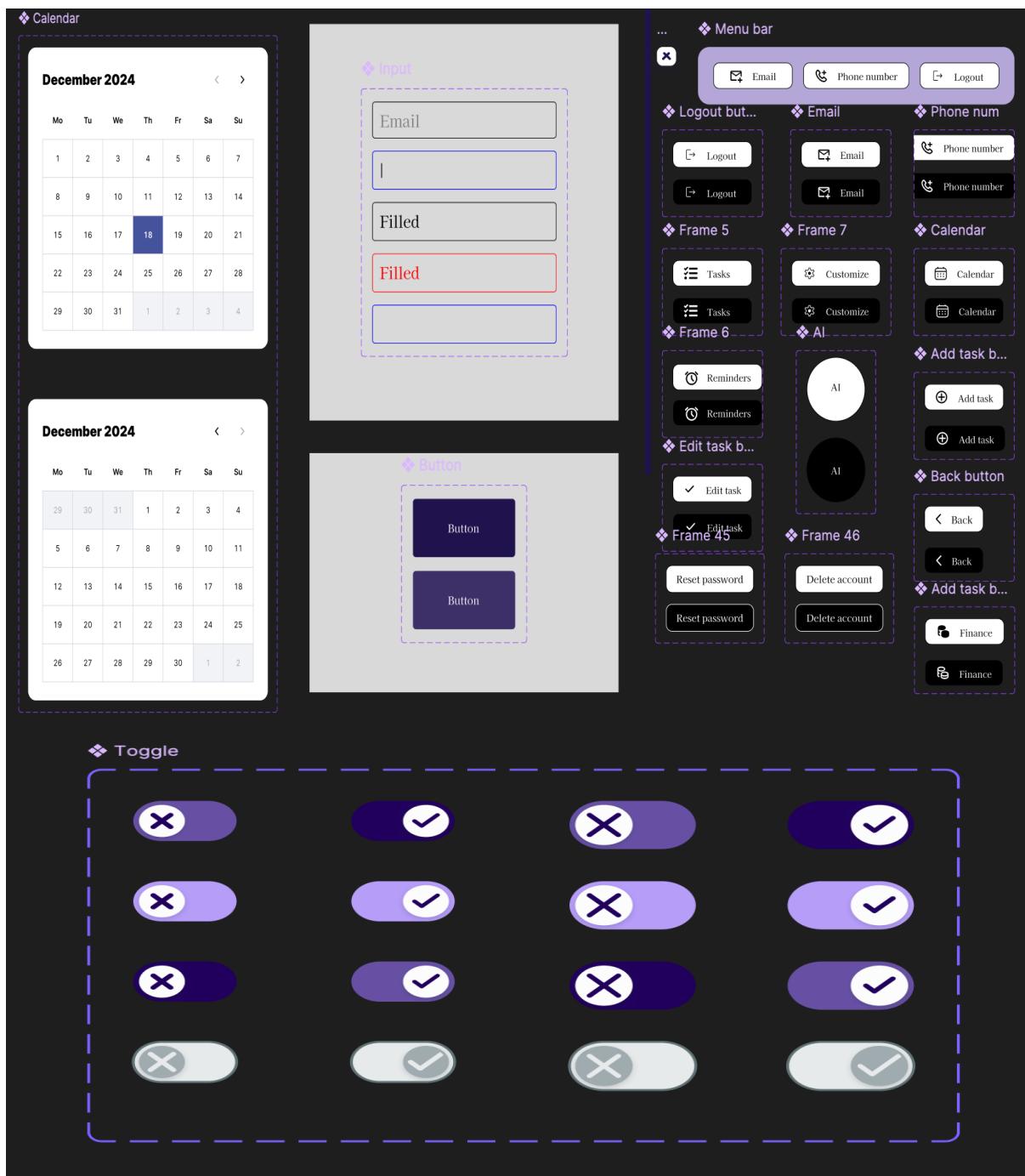


Fig. 40 – Button States

When creating components for ScheduleIt, it's essential to define their different states and how they respond to user actions, such as hovering or clicking. This behavior ensures a dynamic and interactive user experience. For example, buttons play a significant role, as they showcase various states such as:

- Normal: The default state when the button is idle and ready for interaction.
- Hover: A visual change when the user hovers their cursor over the button, providing a sense of interactivity.
- Clicked: A state that indicates the button has been pressed, offering feedback that the action was registered.

These states not only improve the usability of the app but also guide users intuitively through the interface, ensuring a seamless and engaging experience. By defining these states across components, we maintain a consistent and responsive design throughout the app.

USABILITY SPECIFICATIONS FOR TESTING

1. User Feedback: Positive responses, especially from users with busy lifestyles, affirm that ScheduleIt effectively simplifies task management, helps maintain productivity, and supports mental well-being, showcasing its practical value for users with varying schedules.
2. Feature Request: A request for personalized task categories and enhanced collaboration features highlights a desire for more flexibility and customization, emphasizing the need to continuously improve the app to meet diverse user needs.
3. User Perspective: Feedback from users across different demographics, such as students and professionals, confirms the app's broad appeal. Its balance of simplicity and functionality resonates with users, making it an effective tool for managing both personal and work-related tasks.

UX PRINCIPLES APPLIED (DESKTOP)

1. JAKOB'S LAW

1.1. Header and Footer:

Just like most applications, the header and footer in ScheduleIt will contain key elements such as the logo, navigation options (like Profile, Settings, etc.), and essential links (Reminders, Logout, etc.), creating a familiar structure for users.

2.1. Forms:

Forms in ScheduleIt are designed simply, with input fields for essential details such as task name, category, and due date, along with submit buttons. These forms are intuitive and follow the basic design conventions that users expect from any task management app.

3.1. Sections:

Different types of information are clearly categorized into sections. For instance, the "Add Task" section is separate from the "Finance Tracking" section. This structure ensures that users can easily find what they need, similar to the sectioned layouts in other apps.

2. LAW OF PROXIMITY

In ScheduleIt, we apply the Law of Proximity to enhance user experience and navigation:

1.1. Task Details Grouping:

When users add or edit a task, elements like task name, details, and due date are grouped together. This proximity helps users easily understand that they are related and should be filled out together.

2.1. Navigation and Action Buttons:

The "Add Task," "Finance Tracking," "Mindfulness," and "Reminders" buttons are placed near their corresponding sections on the homepage. This grouping makes it clear that each button is connected to a specific feature or functionality.

3.1. Task Categories:

On the "Task" page, tasks are grouped by categories (e.g., personal, work-related). Tasks within the same category are placed in close proximity, making it intuitive for users to understand that tasks in one group share similar purposes.

By strategically placing related elements close together, we help users naturally associate and identify functionalities, leading to a smoother and more intuitive experience.

3. VON RESTORFF EFFECT

In ScheduleIt, the Von Restorff Effect is used to draw attention to important or distinctive elements:

1.1. Highlighted Tasks/Reminders:

Tasks or reminders that are particularly urgent or overdue are highlighted with distinct colors (e.g., red for overdue tasks). This makes them stand out from the rest, ensuring that users remember and prioritize them.

2.1. Key Features:

Elements like the "Add Task" button or "AI Assistant" are designed to visually differ from other elements on the page, ensuring that users notice and remember these actions. This principle helps users focus on what is most important.

4. FITTS'S LAW

ScheduleIt applies Fitts's Law to enhance user interaction efficiency:

1.1. Buttons Placement and Size:

Key action buttons such as "Add Task," "Reminders," and "Finance Tracking" are designed with optimal size and spacing. These buttons are easy to find and click, reducing the time and effort required for users to interact with the app.

2.1. Task Management Areas:

Elements like the task list and calendar view are made sufficiently large and easy to interact with, ensuring that users can navigate them quickly without unnecessary precision. This ensures an efficient workflow and minimizes frustration.

5. OTHER GOOD UX PRACTICES FOR SCHEDULEIT

1.1. Not Occupying User's Time:

In ScheduleIt, the majority of tasks and reminders are pre-filled based on user preferences, so the user only needs to uncheck or adjust details if necessary. This minimizes the time spent on routine tasks.

2.1. Color Contrast:

We used tools to test and ensure that all color combinations meet accessibility standards. Important elements like task statuses and reminders use high-contrast colors to ensure clarity and readability, especially for users with visual impairments.

3.1. Consistency:

Consistency is key in ScheduleIt—whether it's the design of informational cards or interactive elements like buttons, all components follow a unified format to make navigation intuitive. We ensure that every page uses a consistent color palette and layout for a seamless experience.

4.1. Clear Navigation:

In ScheduleIt, navigation is clear and straightforward. All key actions, such as closing modals or navigating back to the homepage, are easily accessible via intuitive buttons and icons in every navbar and panel.

6. UX PRINCIPLES APPLIED TO SCHEDULEIT (MOBILE DESIGN)

1.1. Responsiveness:

ScheduleIt is designed with responsiveness in mind. The app's layout adapts across devices, ensuring it provides a user-friendly experience on mobile without overwhelming the user with excessive content.

2.1. Simplicity:

We focused on a minimalistic design for the mobile app. By carefully selecting only essential pages and features, ScheduleIt avoids over-complication and allows users to easily navigate and manage tasks.

3.1. Clarity:

Important steps and features, like adding tasks and viewing reminders, are clearly highlighted in ScheduleIt. Color contrasts are used to emphasize critical elements, guiding users through a clear path from one action to the next.

4.1. Efficiency:

ScheduleIt allows users to quickly fill in their data and set up their schedules within minutes. By reducing the number of steps and data entry required, users can efficiently manage their tasks and stay on top of their plans with minimal effort.

7. NIELSEN'S HEURISTICS FOR SCHEDULEIT

1.1. User Control and Freedom:

In ScheduleIt, users have full control over their experience. They can easily navigate between screens with a single click, and subscription changes or cancellations are clearly visible and accessible from the profile screen.

2.1. Consistency and Standards:

Consistency in ScheduleIt is maintained across both mobile and web platforms. We use uniform colors, fonts, and design elements to ensure a seamless user experience across all devices.

3.1. Flexibility and Efficiency of Use:

We designed ScheduleIt for efficiency by centralizing important actions. All key UI elements are strategically placed within thumb-reach for a comfortable, intuitive mobile experience, allowing users to quickly navigate and complete tasks.

4.1. Aesthetic and Minimalist Design:

ScheduleIt embraces minimalist design by prioritizing clean interfaces and intuitive navigation. This approach eliminates clutter, ensuring users can easily focus on their tasks and goals without distractions.

5.1. Match Between the System and the Real World:

We tailored the ScheduleIt app to reflect real-world scenarios, especially when managing tasks and reminders. We ensure the system covers commonly used task categories while remaining

precise in its execution, aligning with user expectations and everyday needs.

6.1. Help and Documentation:

ScheduleIt aims to save users time by pre-selecting and pre-populating data whenever possible. By reducing the need for manual input, we guide users efficiently through the app, helping them complete tasks with minimal effort.

FIGMA PROTOTYPE

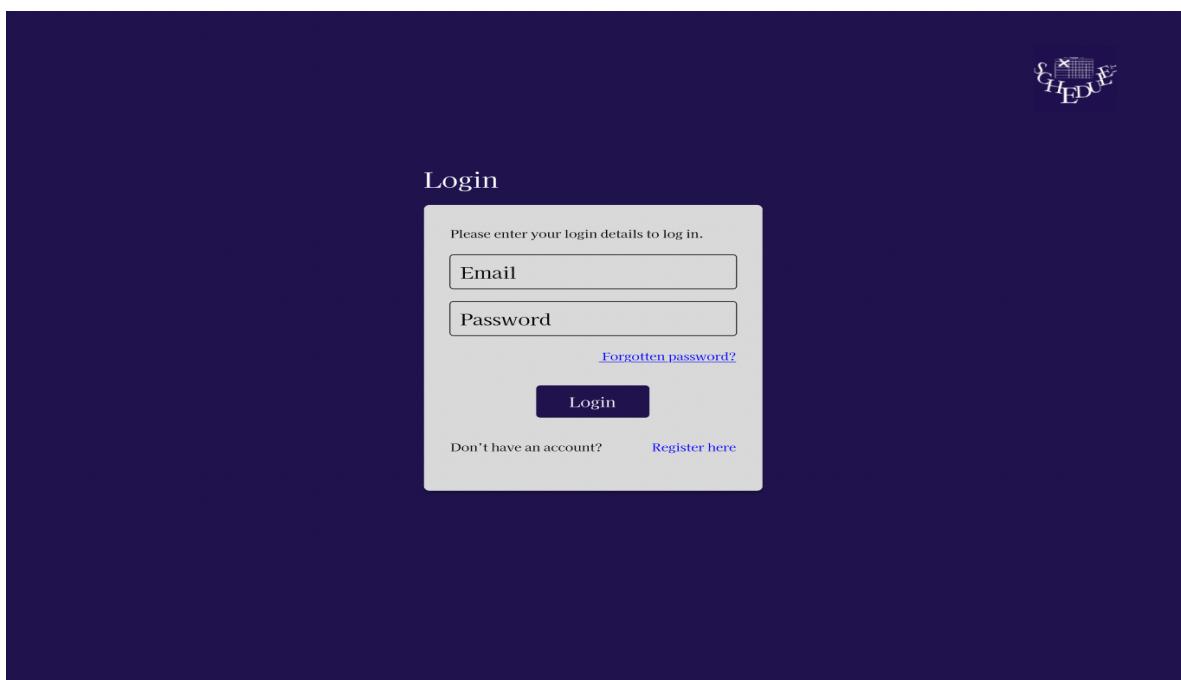
1. Desktop Design URL

<https://www.figma.com/design/hhsY04gduErad4vZITtMxk/ScheduleIt--planning-app?node-id=0-1&p=f&t=lsNTTZDsIZwR9Tvv-0>

2. Mobile Design URL

<https://www.figma.com/design/hhsY04gduErad4vZITtMxk/ScheduleIt--planning-app?node-id=520-1219&p=f&t=lsNTTZDsIZwR9Tvv-0>

FIGMA DESIGN (DESKTOP)





Registration

Let's get you registered!

First name

Last name

Email

Password

Phone

Terms and conditions

Subscribe to our newsletter

Register



Registration

Confirm your email with the link we sent you

Login

 View date



Customize

Edit profile

name.surname@gmail.com

 Reset password

 Delete account

Change color



 Customize

 Tasks

 Reminders

 Logout

AI

 View date



Alert

Are you sure you want to reset your password?

No

Yes

 Email

 Phone number

 Logout

The image displays a mobile application interface for task management, featuring two main screens: 'Edit task' and 'Add task'.

Edit task Screen:

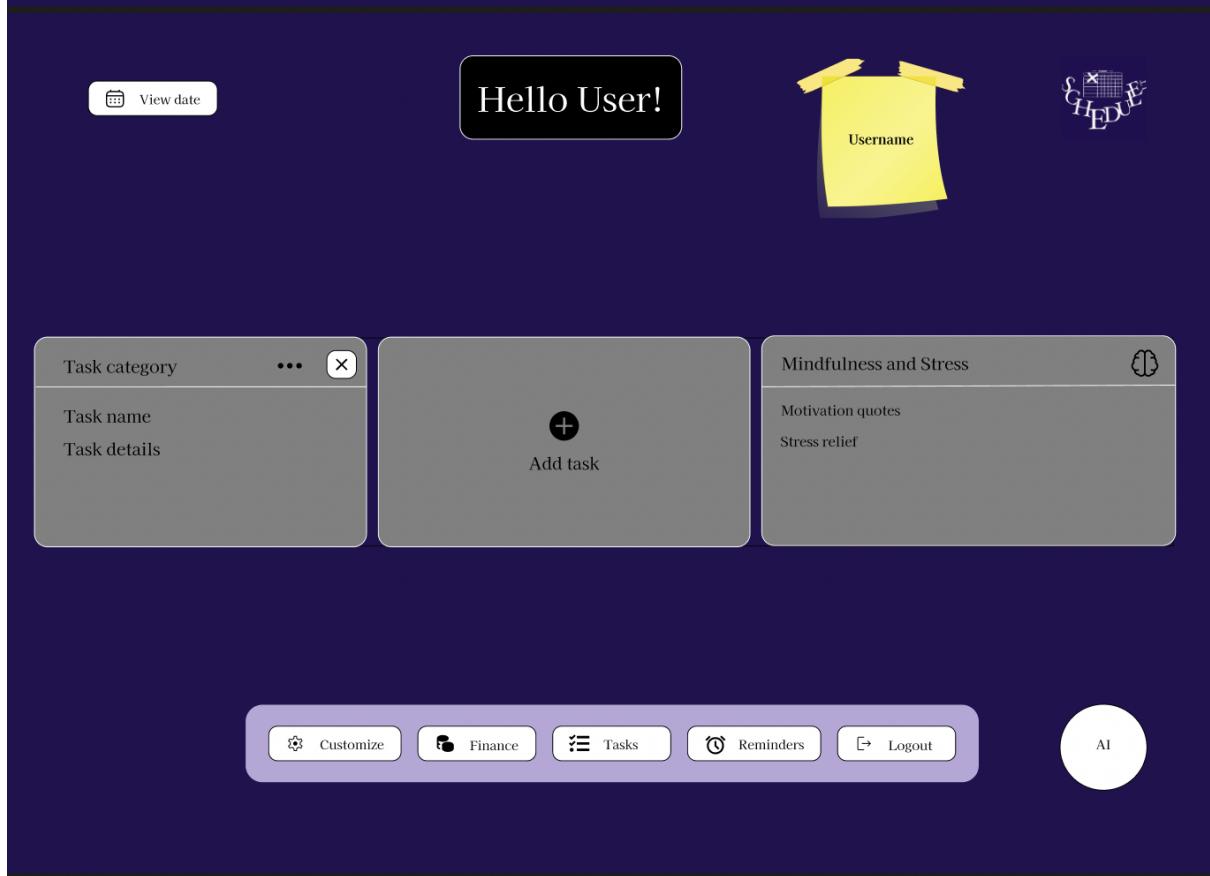
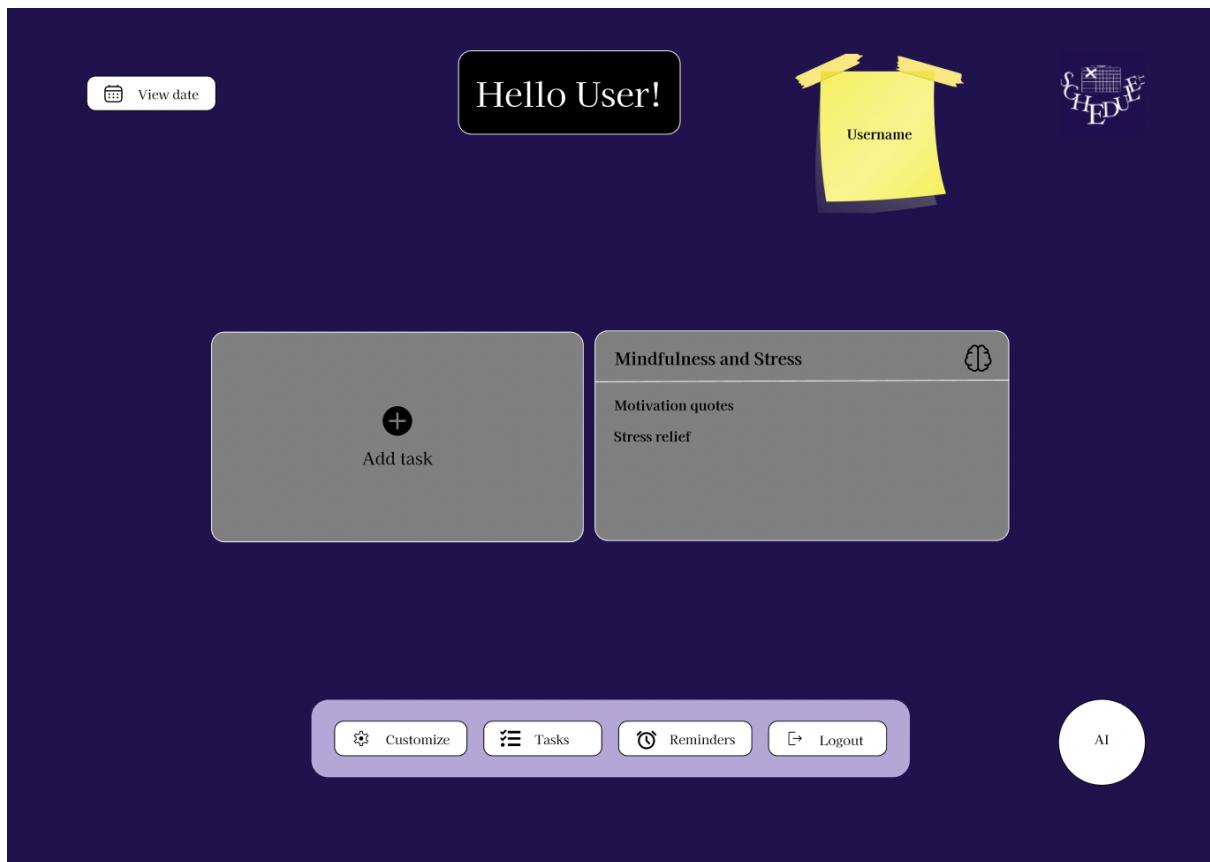
- Header: 'Edit task' with a close button.
- Fields:
 - 'Edit task name'
 - 'Edit task description'
- Buttons:
 - 'Change date' (with a calendar icon)
 - 'Edit task' (with a checkmark icon)

Add task Screen:

- Header: 'Add task' with a close button.
- Fields:
 - 'Add task name'
 - 'Add task description'
- Buttons:
 - 'Select date' (with a calendar icon)
 - 'Add task' (with a plus sign icon)

Common UI Elements:

- Top left: User icons (person, people) and a 'View date' button.
- Top right: Logo with stylized letters 'G', 'H', 'E', 'D', 'U', 'E'.
- Bottom: A navigation bar with buttons for 'Customize', 'Tasks', 'Reminders', 'Logout', and an 'AI' button.





View date

G_H^X_E^E

AIChatBot

Finish tasks with high priority

Add task description

View question history

+ AI Add task

Customize

Tasks

Reminders

Logout

AI



View date

G_H^X_E^E

Finished tasks



Profile

Email: name.surname@gmail.com

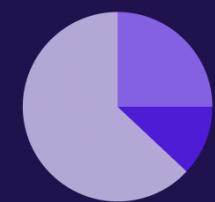
Phone number: +387 61 111 946

Tasks completed: 10

Tasks upcoming: 5

Edit profile

Finished/unfinished tasks



Customize

Tasks

Reminders

Logout

AI

The image displays a mobile application interface with a dark blue background. At the top left are user profile icons (person and group) and a "View date" button. At the top right is a logo consisting of the letters "GHEDEE" in a stylized font with a grid pattern.

Tasks Section:

- Section Header:** Tasks
- Text:** TASKS TO FINISH
YOU NEED TO ENTER THEM
- Buttons:** Add task

Bottom Navigation Bar:

- Customize
- Tasks
- Reminders
- Logout

AI Button: AI

Collaboration Tasks Section:

- Section Header:** Collaboration Tasks
- Text:** To do | In Progress | Done
- Text:** TASKS TO ADD
YOU NEED TO ENTER THEM
- Buttons:** Comment, Add person, Add task

Bottom Navigation Bar:

- Customize
- Tasks
- Reminders
- Logout

AI Button: AI

< Back



December 2024

Mo	Tu	We	Th	Fr	Sa	Su
1	2	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	2	3	4



Add task

[!\[\]\(941da146a954efcc3d9ad94d7f1b34b6_img.jpg\) Customize](#) [!\[\]\(0d7d8d8a65d486f6dc109c15eeb98ee1_img.jpg\) Tasks](#) [!\[\]\(4b20700cdc5d8e63983be9c108cc9da7_img.jpg\) Reminders](#) [!\[\]\(157042d2151a81f340a9ad266df4c95d_img.jpg\) Logout](#)

AI

 View date



Finance Track

 Add an expense >

 Delete an expense >

Spending Reminder >

Planned expenses >

 Saving recommendations ≡

 Budget goals ⏪

Income and expenses



[!\[\]\(af6a5fbb2bd5be5ff3b54798e67871fe_img.jpg\) Customize](#) [!\[\]\(4b97bf38169b189a198f9e383eb1131a_img.jpg\) Tasks](#) [!\[\]\(4fe1ba857dbcc13d278f855592faa4ef_img.jpg\) Reminders](#) [!\[\]\(0c7ad7b6201b45763da51a4e0cb90e50_img.jpg\) Logout](#)

AI

View date

Reminders

- + Add a reminder >
- Delete a reminder >
- Spending Reminder >
- Collaboration Reminder >
- Saving recommendations ≡
- ✓ Budget goals ⚙

Sounds & Haptics

- Sound ⚙
- Haptics ⚙

Customize Tasks Reminders Logout

AI

View date

Mindfulness and Stress Management

Time spent on meditating

- Guided meditations >
- Breathing exercises >
- Inspirational quotes and motivation messages >
- ✓ Budget goals ⚙

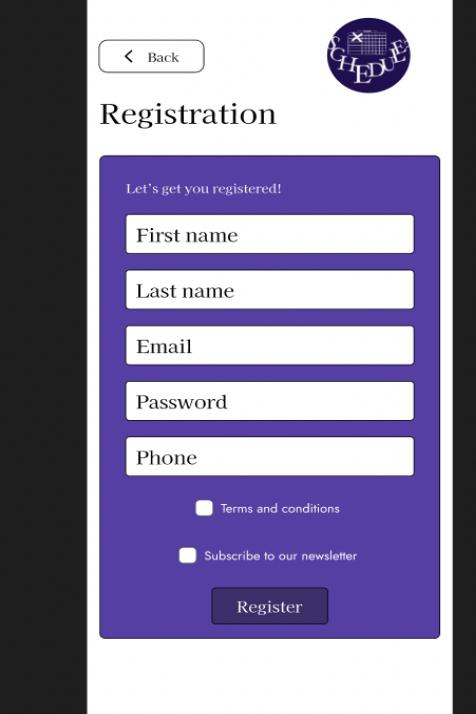
Suggestions for stress reduction

- + Add personalised mindfulness plan >
- Delete personalised mindfulness plan >

Customize Tasks Reminders Logout

AI

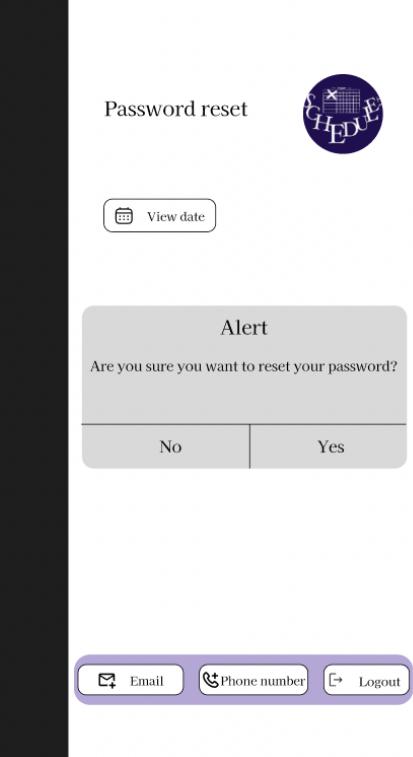
FIGMA DESIGN (MOBILE)



The registration screen features a purple header with the text "Registration". Below it is a form with fields for "First name", "Last name", "Email", "Password", and "Phone". There are two checkboxes: "Terms and conditions" and "Subscribe to our newsletter", both of which are unchecked. At the bottom is a "Register" button.

Left panel: "Login" section with "Email" and "Password" input fields, a "Forgotten password?" link, and a "Login" button. Below it are links for "Don't have an account?" and "Register here".

Right panel: "Registration" section with a large input field for confirming the email sent by the system. A "Login" button is located at the bottom right.



The customization screen has a purple header with the text "Customize". It includes a "View date" button, a "Tasks" button, and a "Customize" modal window. The modal contains fields for "Edit profile" (with the email "name.surname@gmail.com") and "Reset password" and "Delete account" buttons. It also has a "Change color" section with a color swatch and an "AI" button below it. At the bottom are "Customize", "Reminders", and "Logout" buttons.

The password reset screen has a purple header with the text "Password reset". It includes a "View date" button and a central "Alert" box asking "Are you sure you want to reset your password?". Below the alert are "No" and "Yes" buttons.

The edit task screen has a purple header with the text "Edit task". It includes a "View date" button, an "Enter task name" field, an "Enter task description" area, a "Change date" button, and an "Edit task" button with a checkmark. It also has an "AI" button below it. At the bottom are "Customize", "Reminders", and "Logout" buttons.

Screenshot 1: New task screen

This screen shows a form for creating a new task. It includes fields for "Enter task name", "Enter task description", and "Select date". A large blue button at the bottom right says "+ Add task". At the bottom, there are three buttons: "Customize", "Reminders", and "Logout".

Screenshot 2: Home screen

The main screen displays a central "Add task" button with a plus sign. Below it are two sections: "Mindfulness and Stress" containing "Motivation quotes" and "Stress relief", and "AI" which is represented by a circular icon.

Screenshot 3: Task list screen

This screen shows a list of tasks. The first task is titled "Task category" and has a "View date" button. Below it is another "Add task" button and a "Mindfulness and Stress" section with "Motivation quotes" and "Stress relief".

Screenshot 1: AIChatBot screen

This screen features a text input field for "Enter question for AIChatBot". Below it are buttons for "View question history" and "+ AI Add task". At the bottom, there are three buttons: "Customize", "Reminders", and "Logout".

Screenshot 2: Profile screen

The profile screen shows user information: Email: name.surname@gmail.com, Phone number: +387 61 111 946, Task completed: 10, and Task upcoming: 5. It includes a bar chart for "Finished tasks" and a pie chart for "Finished/unfinished tasks".

Screenshot 3: Tasks screen

This screen displays a message: "TASKS TO FINISH" and "YOU NEED TO ENTER THEM". A large blue button at the bottom right says "+ Add task". At the bottom, there are three buttons: "Customize", "Reminders", and "Logout".

Collaboration Tasks

To do | In Progress | Done

TASKS TO ADD

YOU NEED TO ENTER THEM

Comment

Add person Add task

AI

Customize Reminders Logout

Back

Tasks

December 2024

Mo	Tu	We	Th	Fr	Sa	Su
1	2	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	2	3	4

Add task

AI

Customize Reminders Logout

Finance Track

View date Tasks

Income and expenses

AI

Customize Reminders Logout

Reminders

View date Tasks

Add a reminder Delete a reminder

Spending Reminder

Frame 55 Collaboration Reminder

Frame 56 Saving recommendations

Frame 57 Budget goals

Frame 58 Sound

Haptics

AI

Customize Reminders Logout

Mindfulness

View date Tasks

AI

Grid-based meditation

Breathing techniques

Mindfulness and relaxation exercises

Budget goals

Time spent on meditating

AI

Customize Reminders Logout