



Applied Science Private University

Faculty of Information Technology

Quickcare ASU

Prepared by:

yara abed

جبرين الطويل

محمد الفراعنة

hamza hisham

Mahmoud Ali

Supervised by:

Dr. Waref Almanaseer

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Introduction for QuickCare ASU App:

The QuickCare ASU App is an innovative solution designed to streamline healthcare access for the Applied Science Private University students this project aims to address the growing need for efficient, user-friendly tools that connect students, faculty, and staff to essential medical services

By integrating features like appointments scheduling, telehealth consultations, and real time health updates, QuickCare seeks to enhance the overall health and well-being of the ASU students with a focus on accessibility, speed, and reliability the app ensures that users can quickly find care when and where they need it fostering a healthier and more connected campus environment

Through this initiative the QuickCare app underscores ASU commitment to leveraging technology to meet the evolving healthcare demands of its community

Objectives (Problem Summary)

Objectives	Priority
Streamlined ensure users can quickly book medical appointments with an intuitive and user friendly interface	High
Telehealth integration provide virtual consultation options for immediate and accessible healthcare support	High
Symptom checker offer an AI-powered tool to help users determine the urgency of their health concerns	Medium
Secure data handling implement robust security measures, including HIPAA compliance, to protect user data and privacy	High
Health resource director include a guide to on campus and nearby healthcare services such as mental health support and pharmacies	Medium

Problem Statement

University students, faculty , and staff often face significant challenges when accessing healthcare services these challenges include long wait times for appointments, limited awareness of available on-campus health resources, and a lack of convenient options for non-urgent medical care additionally navigating traditional healthcare systems can be overwhelming and time-consuming particularly for students balancing academic, social and personal responsibilities.

The absence of a centralized, user-friendly platform exacerbates these issues, leading to delayed care, unmet health needs, and decreased overall well-being within the university community this project aims to address these challenges by developing the QuickCare App ASU a comprehensive solution that streamlines access to medical services promotes health awareness and ensures timely support.

Effort Estimation

Team	Eng-name	Effort Estimation
UI/UX	جبرين الطويل , hamza hisham	4-6 days
Backend	محمد الفراعنة	4-5 days
Frontend	جبرين الطويل	5-6 days
Feedback Mechanism	yara abed	1-2 days
QA	Mahmoud Ali , yara abed,	3-6 days

➤ Proposal Solution:

○ Body of knowledge:

■ What is QuickCare ASU app?

The ASU Quick Care App aims to enhance the interaction between University (ASU) students and the university clinic. The app will streamline the process of accessing clinical information, scheduling non-emergency appointments, and providing students with pharmacy details regarding medicine availability.

■ User-stories:

As a student, I want the system to have a user-friendly interface so I can complete tasks quickly.(2)

As a student, I want to be able to log in so I can book an appointment.(2)

As a student, I want to register for an account so I can access the application.(2)

As a student, I want to view a list of available doctors with their specializations so I can choose the right one for my condition.(3)

As a student, I want to book appointments through the app so I can save time.(4)

As a student, I want the option to cancel or reschedule appointments so I can manage my schedule effectively.(3)

As a student, I want to see detailed pharmacy information to check the availability and cost of medications before visiting.(4)

As a student, I want to view doctor ratings so I can make informed decisions about my healthcare.(2)

As a student, I want to leave reviews for doctors I visit to help others make better choices.(4)

As a student, I want to access clinic information easily so I can plan my visit accordingly.(3)

As a student, I want to view my current appointments so I can stay informed.(3)

As a student, I want to filter doctors by specialization so I can find the right doctor for my needs.(2)

As a student, I want to edit my medical profile to keep my information accurate and up to date.(1)

As a student, I want to receive confirmation after booking an appointment so I know it was successful.(4)

As a student, I want to view a history of all my appointments so I can track past visits and reference details.(3)

As a student, I want to receive appointment reminders via notifications or email so I don't forget my scheduled visits.(4)

As a doctor, I want a user-friendly interface so I can efficiently manage my schedule and patient interactions.(2)

As a doctor, I want to log in to the system so I can view my upcoming appointments and patient details.(3)

Sprint Velocity = 51

Product/Features Space

This product/app should allow the user to book, check, and update their appointments, as it requires the following:

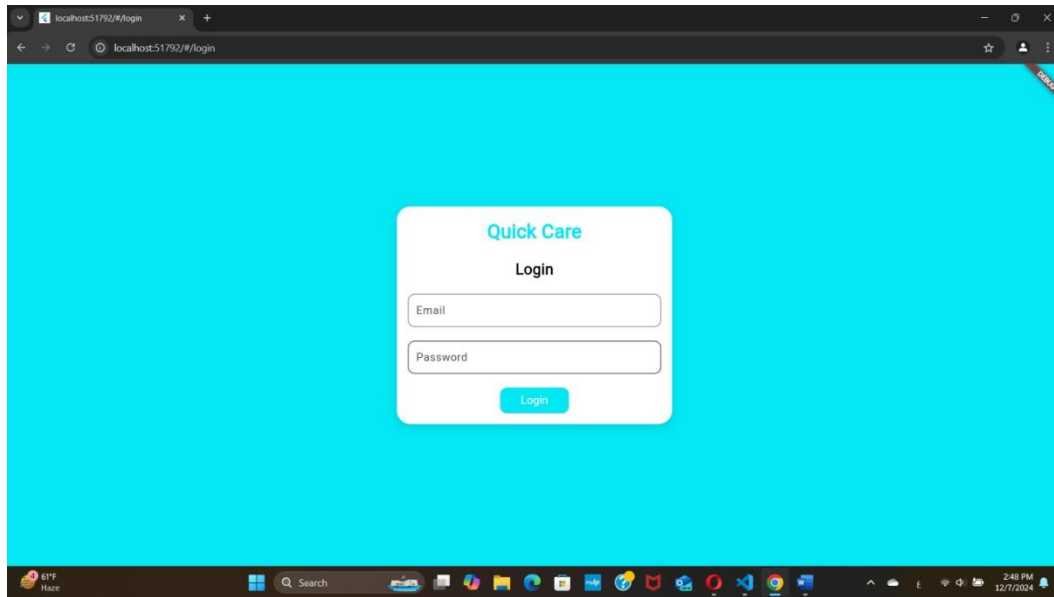
1. App Tabs/Screens

- Main screen (Dashboard)**
- Additional tabs/screens (To be defined based on functionality)**

2. App Screens (Description + Screenshots)

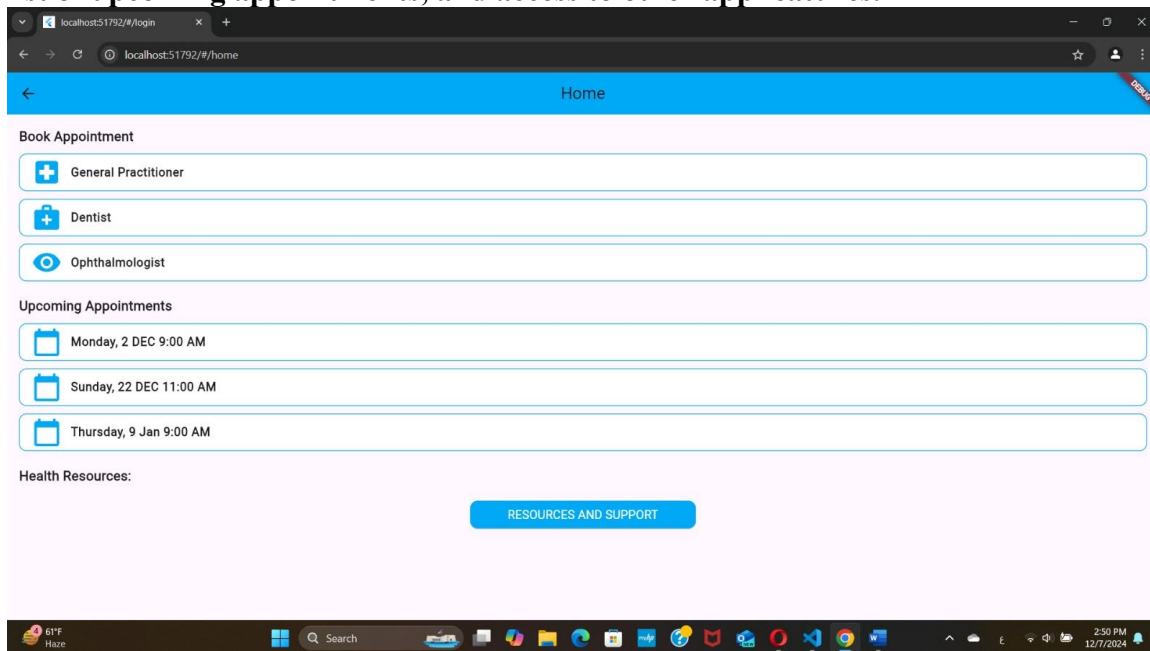
Login/Sign-in Screen

Description: This screen allows users to securely log in to their accounts using their email and password. It includes a 'Login' button to authenticate and grant access to the application.



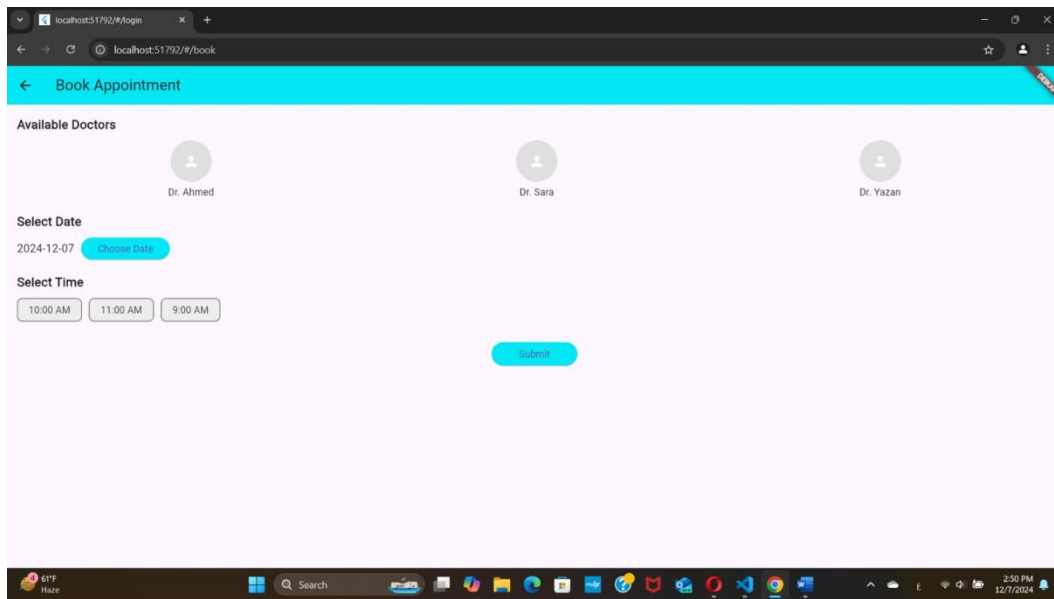
Main Screen (Dashboard)

Description: Serves as a hub for user interaction, featuring appointment booking options, a list of upcoming appointments, and access to other app features.



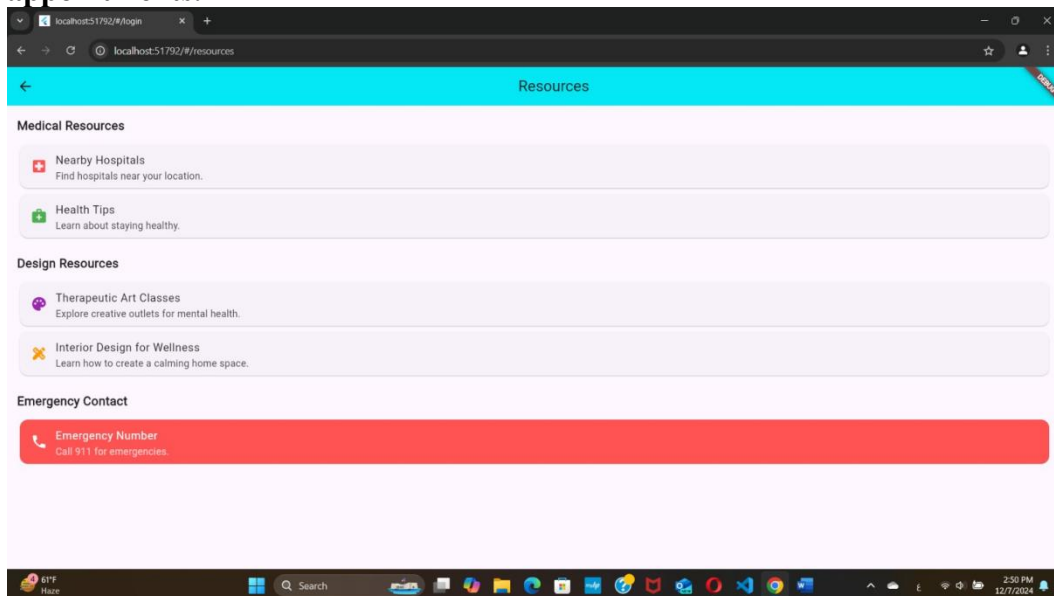
Appointment Booking Screen

Description: Allows users to select a healthcare provider, choose an appointment date, and select a time slot.



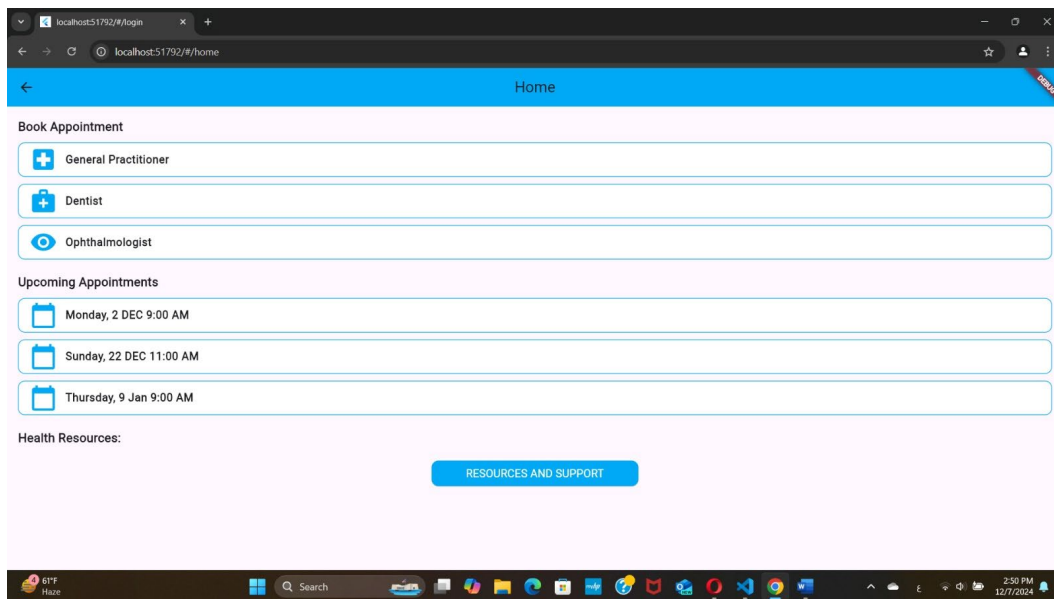
Calendar Selection Screen

Description: Allows users to pick a specific date from a calendar to schedule their appointments.



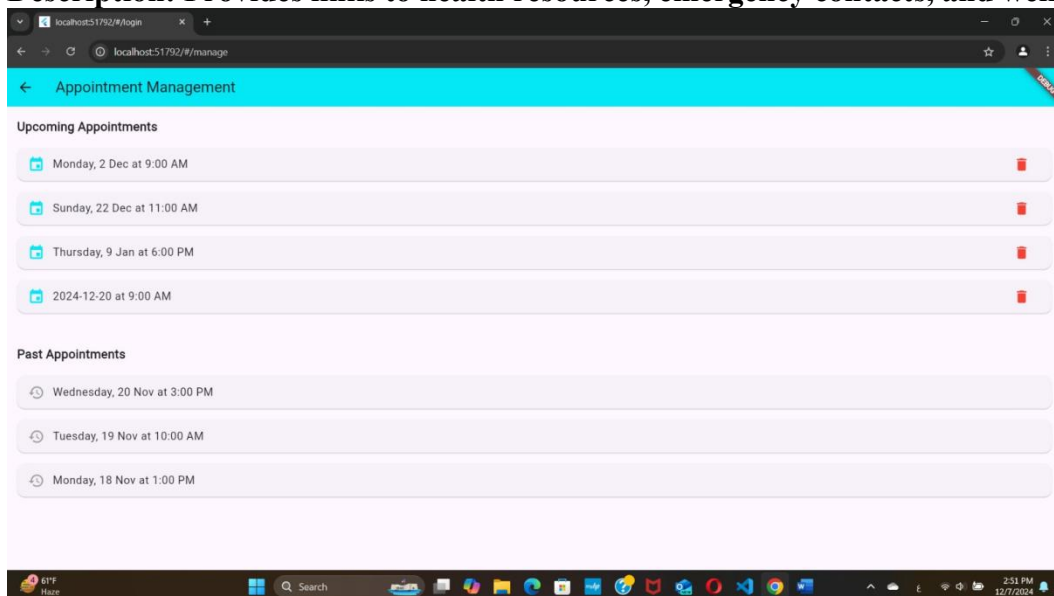
Appointment Management Screen

Description: Displays the list of upcoming and past appointments, with options to update or cancel existing appointments.



Resources Screen

Description: Provides links to health resources, emergency contacts, and wellness tips.



3. Additional Features

- **Search Bar:** Enable users to search for specific items (e.g., doctors, appointments, or health resources).
- **App Title:** Clearly displays the app's name: 'QuickCare ASU.'
- **Dashboard Components:** Easy access to features like appointment scheduling, health tips, and user profile.

➤ Product Backlog

<input checked="" type="checkbox"/> ASU-1 login	DONE	
<input checked="" type="checkbox"/> ASU-2 Appointment booking	DONE	
<input checked="" type="checkbox"/> ASU-3 Appointment Management	DONE	
<input checked="" type="checkbox"/> ASU-4 User-friendly interface	DONE	
<input checked="" type="checkbox"/> ASU-5 create user stories	DONE	
<input checked="" type="checkbox"/> ASU-6 create Figma design	DONE	
<input checked="" type="checkbox"/> ASU-7 Create UI Login Form	DONE	
<input checked="" type="checkbox"/> ASU-8 Booking Confirmation	DONE	
<input checked="" type="checkbox"/> ASU-9 Testing login	DONE	
<input checked="" type="checkbox"/> ASU-10 implement home page design	DONE	
<input checked="" type="checkbox"/> ASU-11 Backend Endpoint for login	TO DO	
<input checked="" type="checkbox"/> ASU-12 Create Calendar View	DONE	
<input checked="" type="checkbox"/> ASU-13 implement cancelation button	TO DO	
<input checked="" type="checkbox"/> ASU-14 implement feedback and review	IN PROGRESS	
<input checked="" type="checkbox"/> ASU-15 pharmacy information	IN PROGRESS	
<input checked="" type="checkbox"/> ASU-16 Doctor Availability	IN PROGRESS	

The current backlog, as illustrated in the provided image, comprises user stories and their corresponding sub-tasks. Each task is focused on a specific function that users can utilize within our app, derived from the app's requirements and expectations. Initially, the product backlog items were represented as user stories, which were subsequently broken down into sub-tasks before being added to the product backlog.

Planning Meeting

19/11: made a distinctions, Task distribution and we decided to made the UI/UX

23/11: after we see the UI/UX we decided to start implementing the welcome and login page

25/11: the developer made the main and appointment page

28/11: the team made the recourses screen

30/11: all of members made a feedback and testing of the implementation

Standup Meetings

after every lecture we Stay and talk for 10 - 15 minutes to see our work and what did we finished.

Sprint Review

The customer was Satisfied with our software and our work and after discussion we made we will add a two page and fix some issue

Retrospective Meeting

In the next sprint we will add a logo and doctors availability page and pharmacy page and we need to work on our communication more

➤ **Technology and Tools**

- **Jira**
- **Figma**
- **Teams**
- **Android Studio**

Sprint 1

Sprint 2

- **Key Features for sprint 2**
- **Sprint Backlog and Epics Overview**
- **User Stories with Story Points**
- **Planning Meeting. Summary**
- **Standup Meetings Summary**
- **Application Implementation**
- **Retrospective Meeting Summary**
- **Burndown Chart Analysis**

Conclusion & Future work

References