



AAROGYA MED

COMPUTING GROUP PROJECT
FINAL COUSE WORK

GROUP : B48

“Our AAROGYA app promotes wellness and health by empowering users to effectively manage their medications, fostering a proactive approach to healthcare and enhancing overall well-being.”

GROUP MEMBERS

Name	Student Number	Leadership Role
10900322	E. W. V. Pesara	Project and Group Leader
10899487	A.P.P.P.Saubhagya	Planning Leader
10899191 Technical Leader	M.T.S.Samaradiwakara	Technical Leader
10903087	W.R.P.Wanigarathne	Programming Leader
10899289	W.T.Dilshika	Quality Leader
10899189	K.A.Rupasinghe	Testing and Maintenance Leader

OVERVIEW OF OUR PROJECT

- AAROGYA MEDS is a multi-featured app designed to help individuals track medications, connect with healthcare providers, and manage pharmacy needs.
- Features of our project include medication monitoring, reminders, family connectivity, direct communication with doctors, healthcare provider network, pharmacy integration, automatic payments, drug stock monitoring, and improved communication with medical professionals.
- AAROGYA MEDS app serves a wide range of users: elderly individuals, children, adults, pharmacists, caregivers, people with mobility issues, busy professionals, individuals with language barriers, and remote/rural communities.
- The app offers benefits like improving medication adherence, reducing medical errors, enhancing patient-physician communication, reducing stress, enhancing convenience, and providing additional health features tailored to the needs of each user group.

Introduction

"Medication management is still an important but sometimes disregarded component of healthcare, even in the face of the swift technological advancements observed in places like Sri Lanka. We started working on AAROGYA MEDS after realizing how urgent it was to close this gap. With a focus on greater adherence and increased access to healthcare, this cutting-edge smartphone app is painstakingly created to transform the way that medications are administered nationwide."

NEEDS OF AAROGYA MEDS

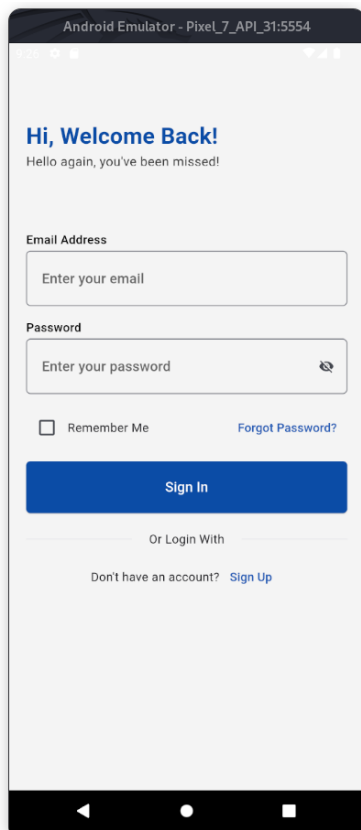
- Medication management poses a significant challenge in Sri Lanka and other developing nations due to systemic issues in healthcare delivery.
- Despite advancements in infrastructure and medicine, individuals often struggle to adhere to prescribed medications.
- Challenges include limited contact with healthcare practitioners, forgetfulness, and ignorance of medication interactions.
- Conventional medication management methods, characterized by fragmented healthcare systems and paper-based prescriptions, exacerbate these issues.
- Non-adherence to prescription regimens can lead to diminished quality of life, increased healthcare expenses, and suboptimal treatment outcomes.

Vision

- Save time of our people.
- Hygiene and quality medicine for everyone.
- Medicines for you when you need.



Logging Form



Android Emulator - Pixel_7_API_31:5554

Hi, Welcome Back!
Hello again, you've been missed!

Email Address

Enter your email

Password

Enter your password

☐ Remember Me [Forgot Password?](#)

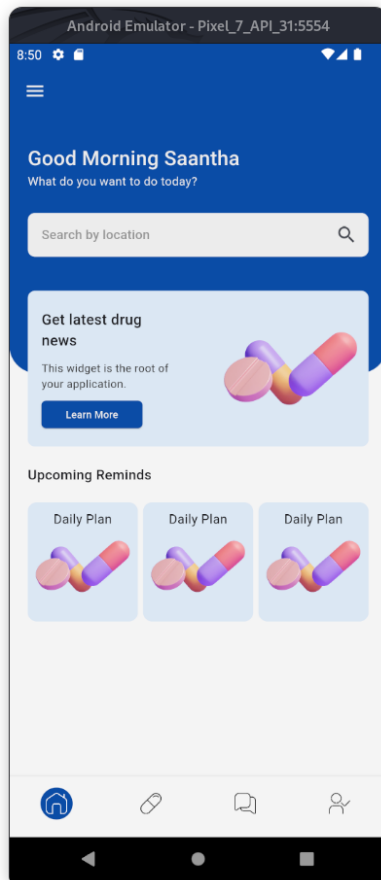
[Sign In](#)

Or Login With

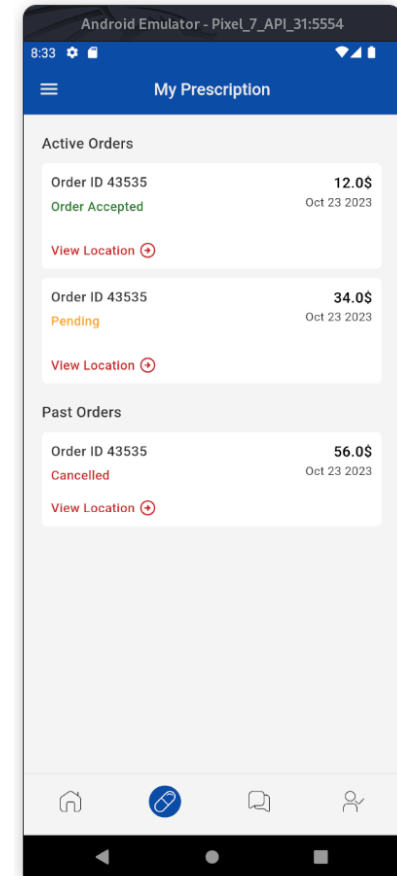
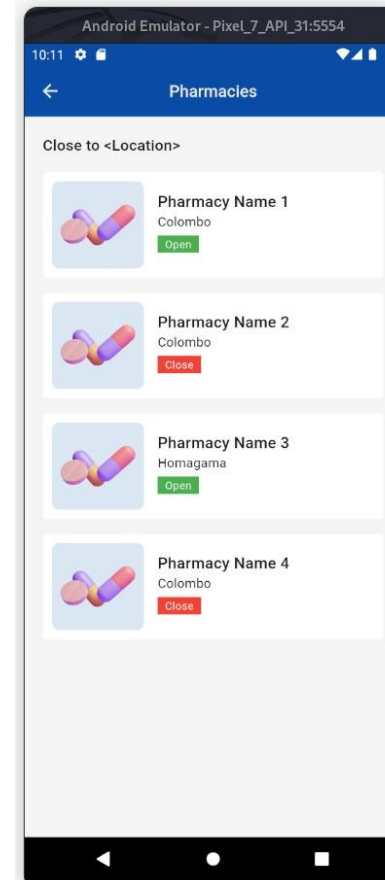
Don't have an account? [Sign Up](#)

- Both patient and pharmacy can log to our application using this interface

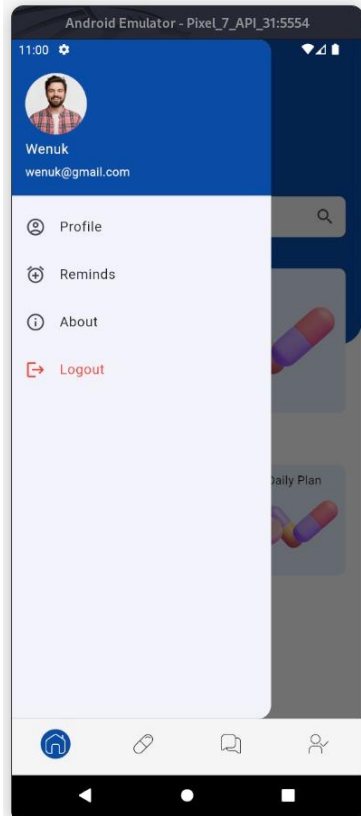
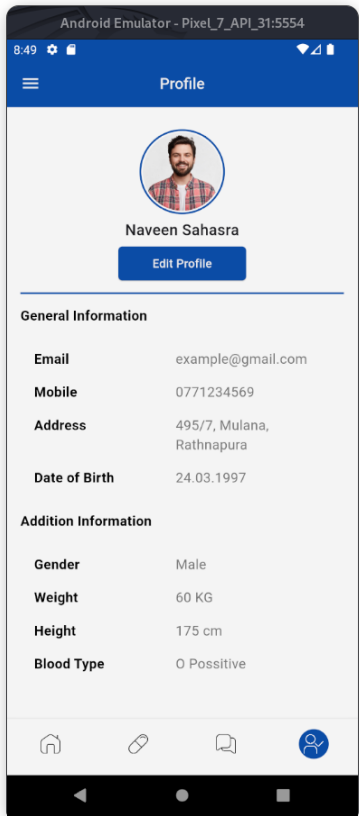
Home page and functions



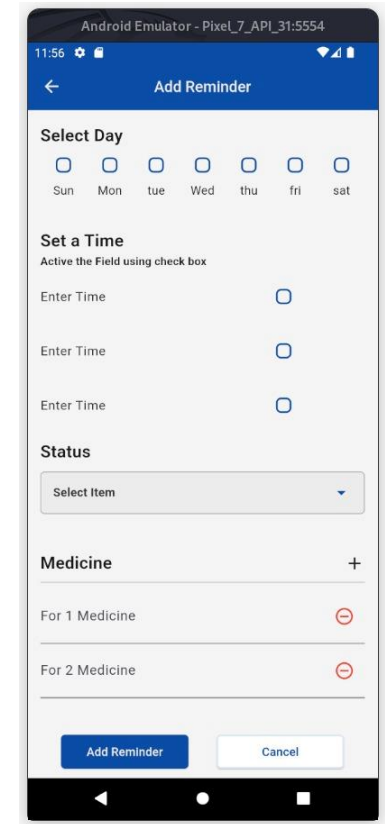
- Upload the prescription .
- Find a nearby pharmacy.
- Upcoming reminds .



Personal information / Reminders



- We grab all information about user .
- Remind all medication times as an alert



GROUP LEADER

- Led and managed the entire AAROGYA MEDS project from start to finish.
- Supervised all project phases including planning, analysis, design, implementation, testing, deployment, and closure.
- Ensured clear communication and teamwork among team members, delegated tasks, and resolved any issues that came up.
- Made sure the project stayed on schedule and exceeded planned contributions in each phase.
- Successfully developed and delivered the AAROGYA MEDS app, meeting all project goals and requirements.
- Showed strong leadership, organization, and dedication to delivering a high-quality project.
- Authentication of UI design and integration.

Planning leader

- As a planning leader, my workload involves coordinating project plans, setting timelines, allocating resources, monitoring progress, and managing risks.
- I collaborate with teams and stakeholders, communicate progress, and address issues to ensure projects align with organizational goals and are completed successfully.

Technical leader

- A technical leader is a key figure in a team, providing technical expertise, guidance, and direction for successful project execution.
- They oversee architecture design, technology selection, code review, and problem-solving, manage resources, and foster a collaborative environment.
- They stay updated on emerging technologies and manage risks, driving project success and fostering innovation.

Programming leader

- As a programming leader, my workload revolves around managing and guiding your team to deliver high-quality software.
- I'm oversee project timelines, resolve technical challenges, and set the technical direction. I'm also provide mentorship, conduct code reviews, and communicate with stakeholders to ensure alignment with project goals.

Quality leader

- A Quality Leader is responsible for ensuring a project meets high quality standards and exceeds customer expectations.
- They define standards, implement assurance processes, monitor performance, and drive continuous improvement.
- Key duties include defining standards, managing risk, fostering a culture of improvement, providing training, monitoring customer satisfaction, communicating with stakeholders, and ensuring compliance with regulations.

Testing and Maintenance Leader

- As the Testing and Maintenance Lead of My group project, My duty is typically involve overseeing the testing process and coordinating project management activities to ensure the successful delivery of the project.
- Overall, as the Testing and Maintenance Leader, My role is critical in ensuring the quality, efficiency,

CONTRIBUTION

Venus pesara	Frontend - Authentication ui design and integration
W.T.Dilshika	Frontend - Homepage and pharmacy logic and integration
M.T.S.Samaradiwakara	Frontend - Medicine schedule ui design and integration
K.A.Rupasinghe	Backend - database designing and schema development
W.R.P.Wanigerathna	Backend - auth and pharmacy crud operations
A.P.P.P.Subagya	Backend - medicine schedule and order management

Future works

- AAROGYA MEDS, a medication management app, has potential for growth through advanced algorithms, machine learning, and community engagement.
- It can integrate with insurance companies, public health programs, and healthcare providers, improve global health equity, and revolutionize healthcare delivery.