

# RxAIDE

## A MEDICATION REMINDER & MANAGEMENT ASSISTANT

### WEEKLY UPDATE 1

**Project Group 2 | CSE299 – Section 4 | Spring 2026 | North South University**

Name	NSU ID	Email
Aminul Islam	2321169042	<a href="mailto:aminul.islam.232@northsouth.edu">aminul.islam.232@northsouth.edu</a>
Md Shahriar Rakib Rabbi	2321937642	<a href="mailto:shahriar.rabbi.232@northsouth.edu">shahriar.rabbi.232@northsouth.edu</a>
Tirtho Mojumdar	2312536042	<a href="mailto:tirtho.mojumdar.2312536@northsouth.edu">tirtho.mojumdar.2312536@northsouth.edu</a>

**Faculty Advisor:** Dr. Mohammad Shifat-E-Rabbi (MSRb)

## 1 SUMMARY

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This week was primarily a **learning and setup** phase. Since our project uses modern Android technologies (Kotlin, Jetpack Compose, and Android Studio) that we had no prior experience with, we dedicated the majority of our time to studying these tools through official documentation, tutorials, and hands-on experimentation.

## 2 WORK COMPLETED

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### 1. Set up Android Studio project with Kotlin and Jetpack Compose

We initialized the project repository on GitHub, created the Android Studio project, configured the Gradle build system with all necessary dependencies, and ensured the project compiles and runs on an emulator successfully.

### 2. Created Home Screen UI and placeholder screens for other sections

We designed and implemented the Home Screen using Jetpack Compose, featuring the app logo, key statistics display, and a  $2\times 2$  navigation grid with buttons for Scan Prescription, Add Medication, My Medications, and Adherence Tracker. Placeholder screens were created for each section to establish the navigation structure.

### 3. Implemented CameraX integration for prescription capture

We integrated the CameraX library to enable live camera preview and photo capture within the app. The camera screen includes a prescription alignment guide, capture controls, and the ability to select images from the gallery as an alternative input method.

## 3 NEXT STEPS

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- Implement medication data entry form and local storage.
- Begin integrating the Gemini API for prescription OCR.
- Design the medication list and detail views.