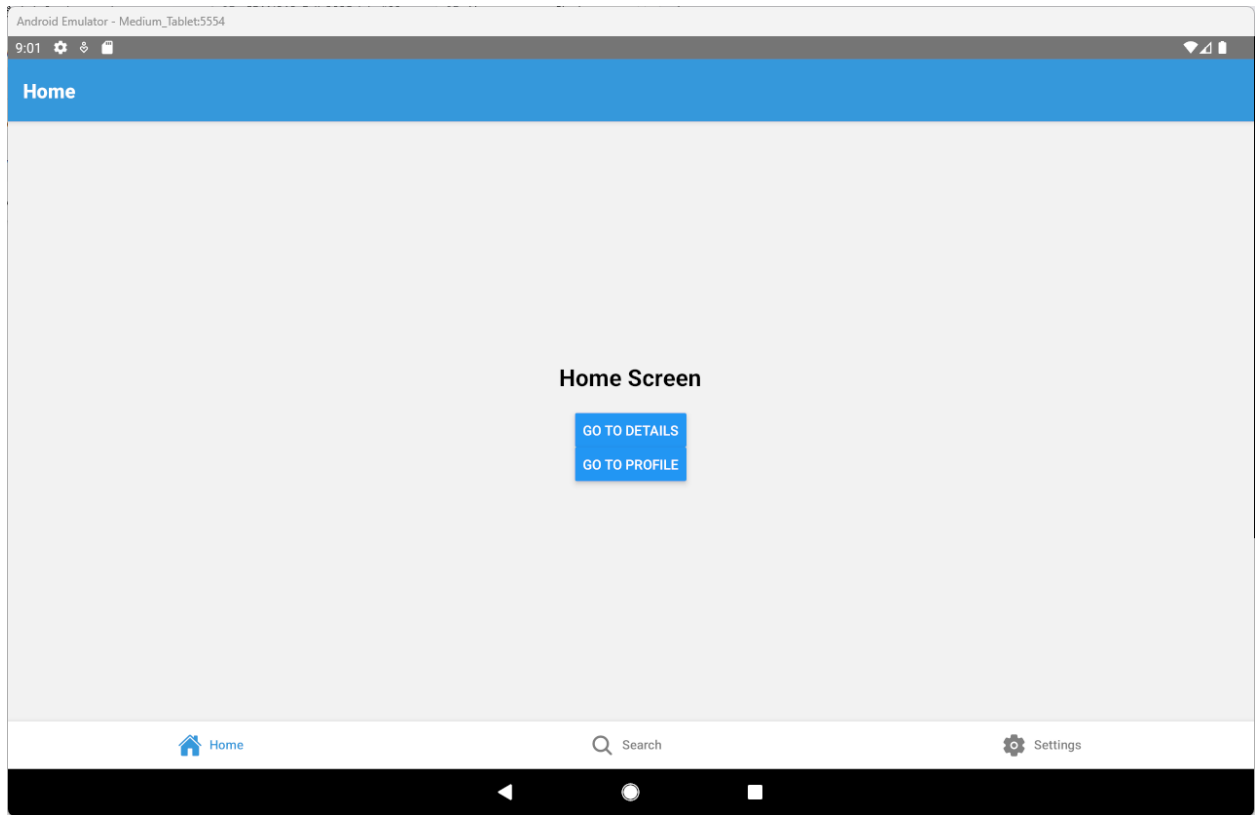
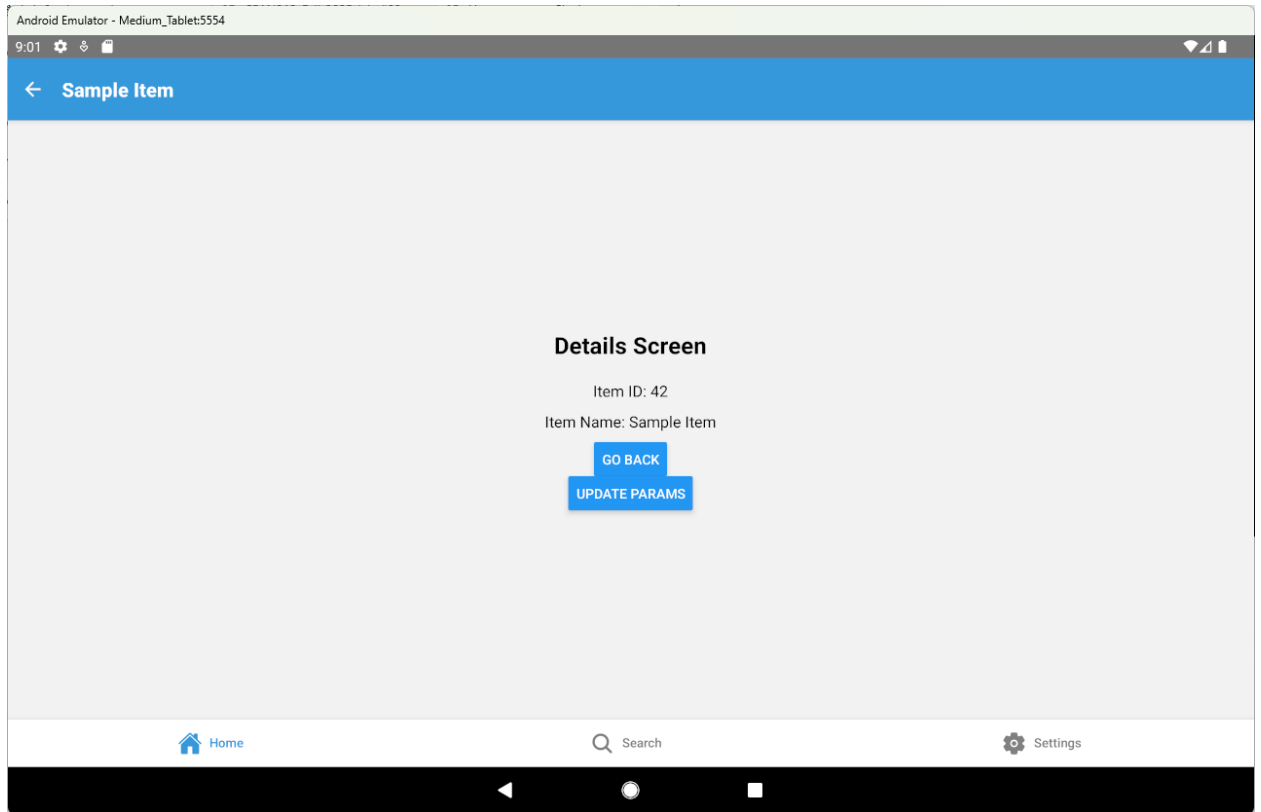


Home screen – Stack navigator visible (Home default, bottom tabs visible).



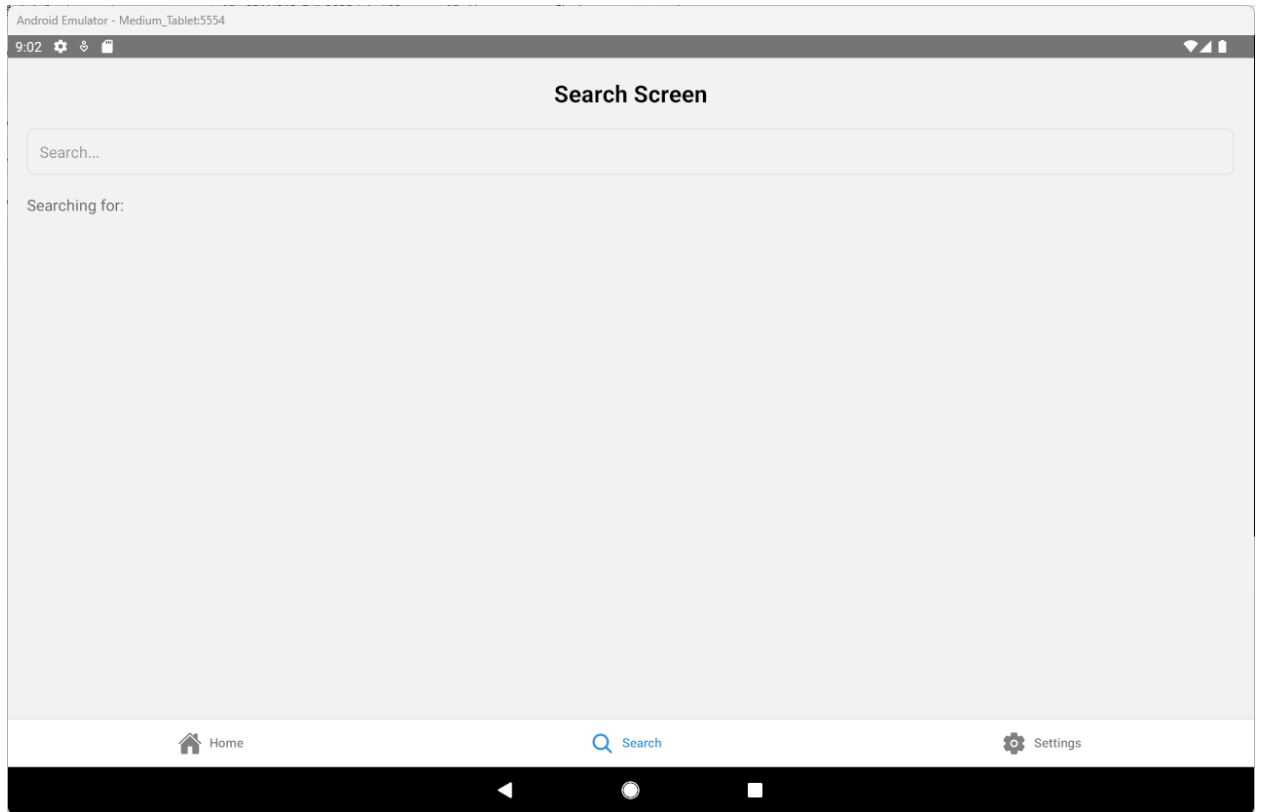
Details screen – showing `itemId` and `itemName`.



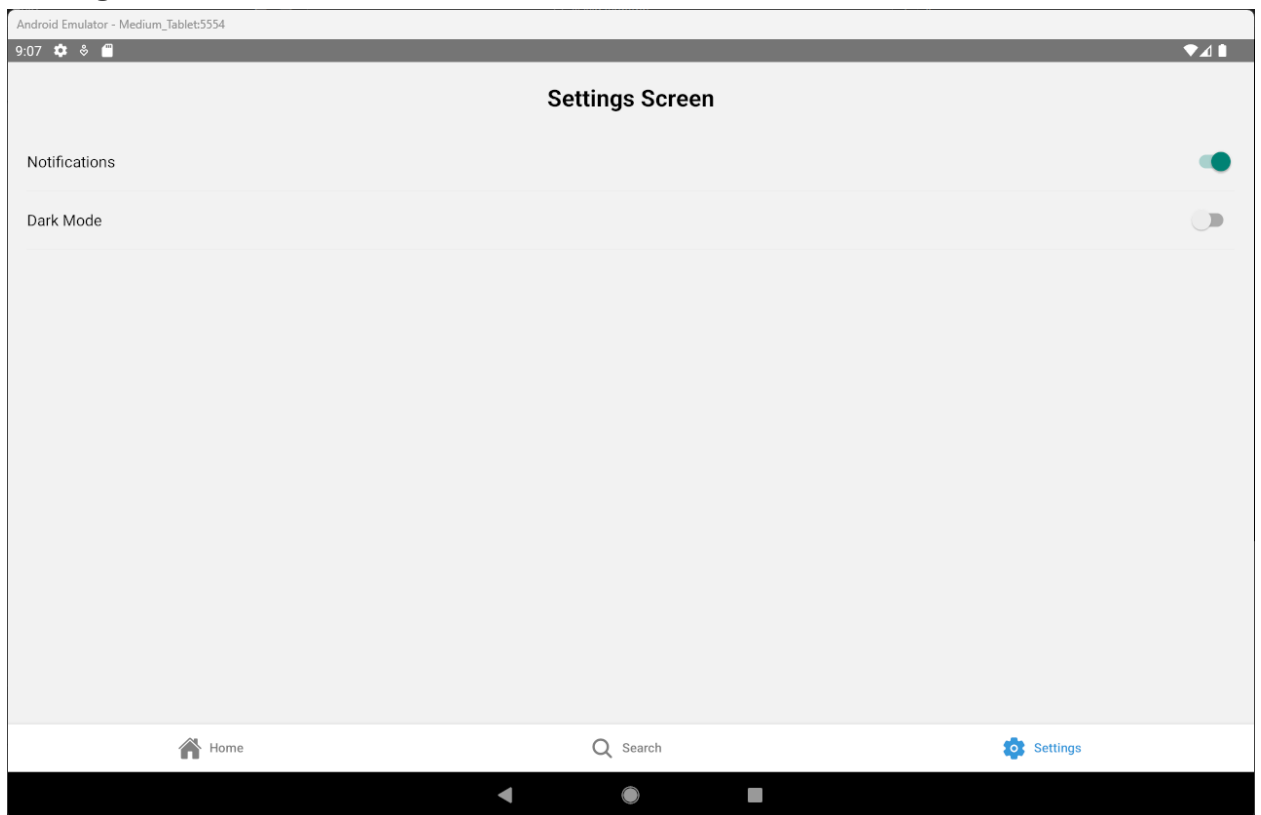
Tab bar – all 3 tabs visible with icons (any screen is fine, but bottom bar must be clear).

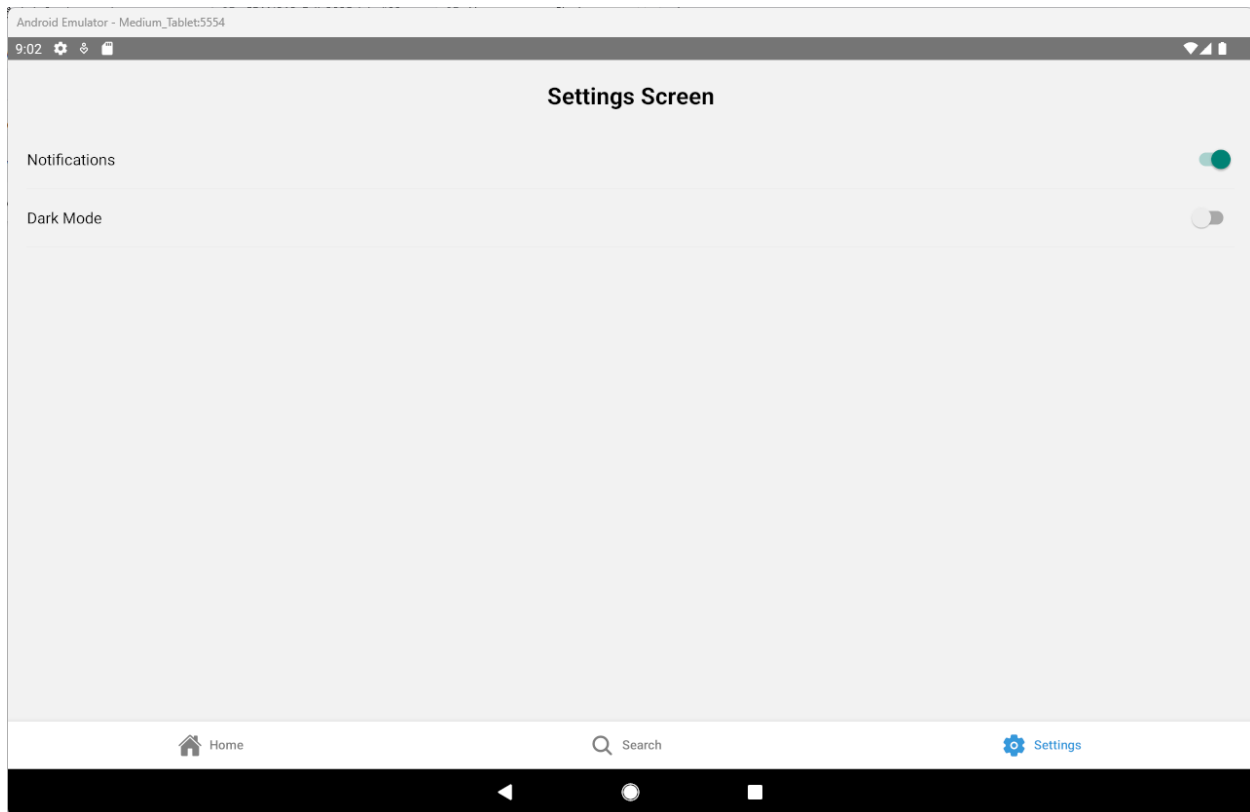


Search screen – second tab active (Search tab highlighted).



Settings screen – third tab active, both switches visible.





B. Navigation Implementation

I set up the app by putting everything inside a single `NavigationContainer`, then using a bottom `TabNavigator` as the main layout. The Home tab contains a full `StackNavigator`, and the other tabs open simple screens for Search and Settings. In this stack, I added Home, Details, and Profile. I gave the stack a blue header with white text so all screens look consistent. There are three tabs on the tab bar, with icons taken from `Ionicons`. I've set it so that the active tab turns blue and the rest are gray, which helps with instantly knowing where you are. Passing params is done by calling `navigation.navigate('Details', { itemId, itemName })` in Home, then in the Details screen, I've added a button that calls `navigation.setParams`-so I can update the item name on the fly.

C. Challenges and Learning

I ran into a few problems while building the navigation. Metro bundler gave me the red screen at first, so I learned to run Metro in one terminal and the Android build in another. The biggest issue was that the tab icons were not appearing-they showed as boxes with X

in middle. I figured out the vector-icons font wasn't linked with Android. Adding the fonts script to build.gradle and cleaning the project finally got the icons to show.

D. Testing and Verification

First, I tested the stack by going from Home → Details → Profile and back, making sure that the header, titles, and back button all acted accordingly. I also made sure the parameters showed properly on the Details screen and that pressing "Update Params" actually changed the header. Then, I tabbed between the three tabs to make sure icons, labels, and active colors were working. Search and Settings opened normally, and both of the switches on Settings responded.