

Customization of NextCloud iOS App

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PROBLEM

Our team was tasked with customizing the NextCloud app for iOS. Our goal was to empower users with full control over their app, allowing them to personalize it without requiring login to their specific accounts.

CURRENT SYSTEM

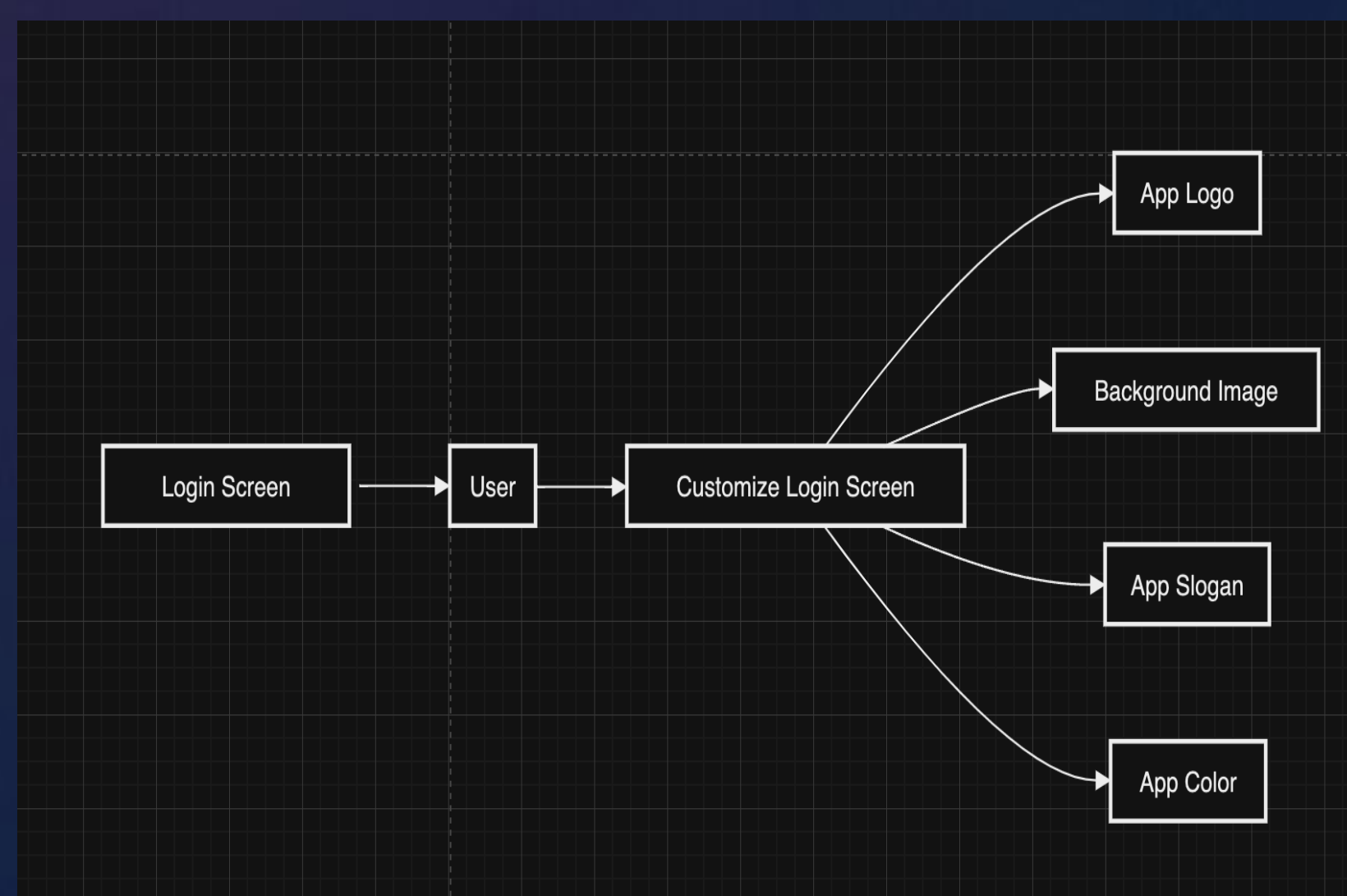
As it stands now in our project, users have the ability to personalize their login view according to their preferences.

- Xcode 14 or later
- Swift & Objective-C
- Github & Git
- Active NextCloud server
- User & Developer Manual
- Carthage iOS dependencies

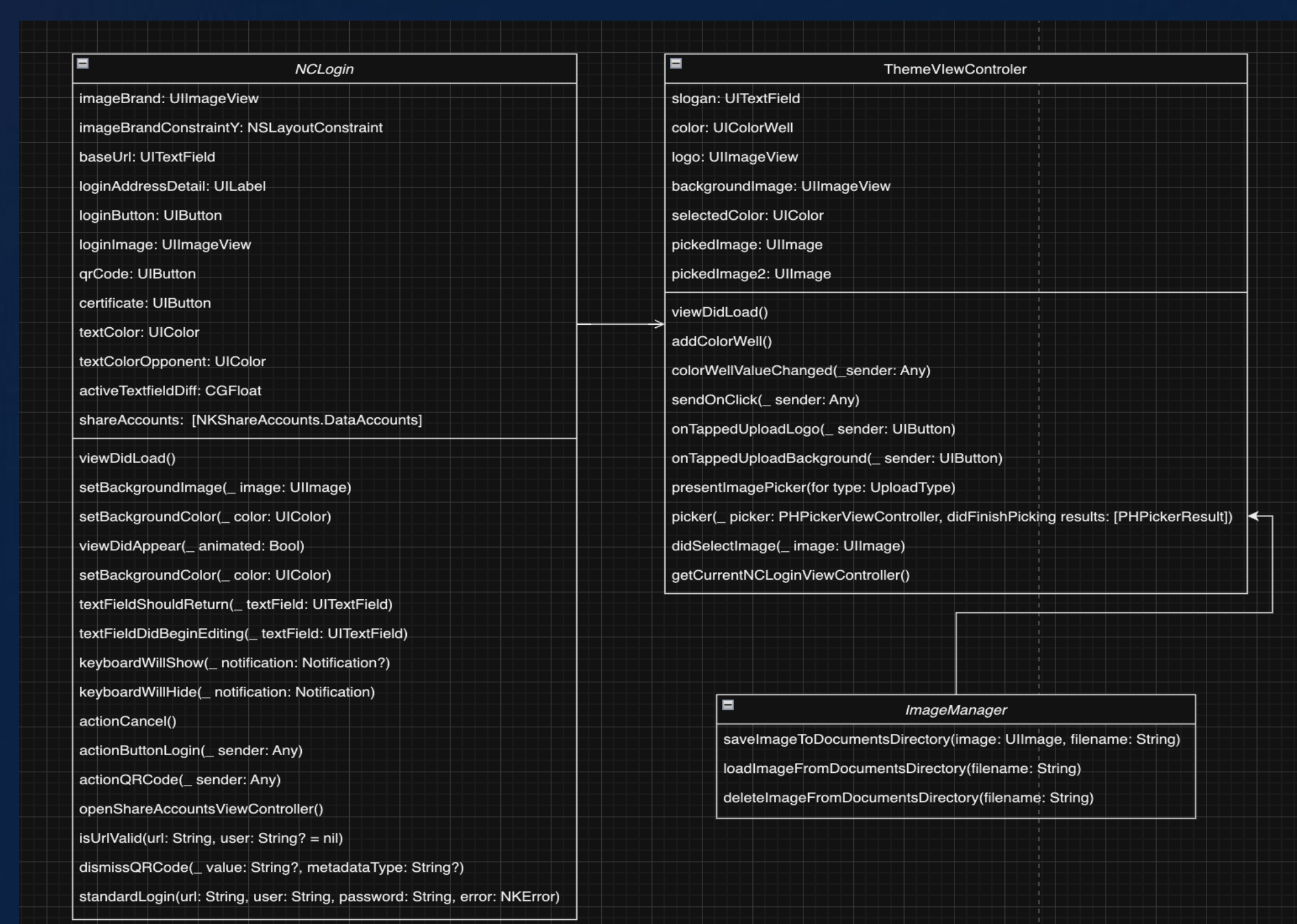
REQUIREMENTS

Both users and non-users can personalize the app logo, background image, color scheme, and slogan directly from the login screen, without the necessity of being logged into the application. Users can choose colors using a color well, select images from their gallery, and input their desired slogan directly on-screen.

SYSTEM DESIGN



OBJECT DESIGN



IMPLEMENTATION



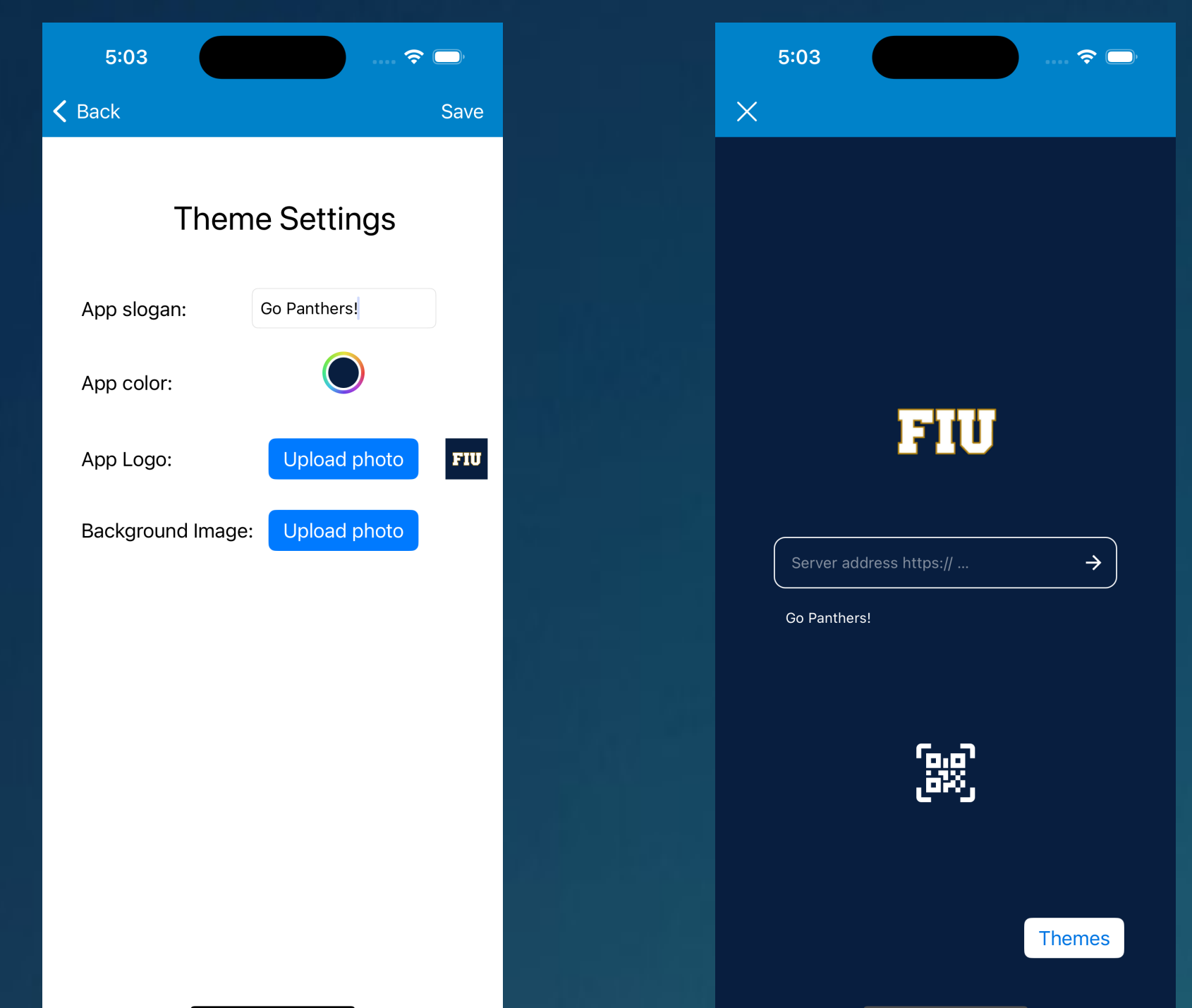
VERIFICATION

Throughout our tasks of pulling and pushing code, we ensured constant verification of our work by collaborating with team members. This ensured smooth interactions within the codebase, preventing unintended overwriting of changes. Additionally, we had weekly meetings with our product owner, receiving valuable feedback on our individual progress. This helped us gauge if our efforts were aligned with the intended direction.

SUMMARY

Over this semester, we completed five development sprints. Initially, our focus was comprehending the code interactions and finding ways to implement changes without disrupting the app's functionality. Our primary resources were the developer manual and tutorials, through which we experimented with various approaches until arriving at our ultimate solution. This journey involved significant trial and error but served as a valuable learning experience, exposing us to a diverse range of new technologies.

REFERENCES



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