

Code Documentation

Overview

This documentation covers the recent changes made to enhance the authentication flow, integrate custom themes, and improve user experience. The updates include the integration of various authentication methods, theme customizability, and improvements to the UI elements.

Authentication Enhancements

1. Integrated Google OAuth:

- Added support for Google OAuth to facilitate user authentication.
- Followed the setup tutorial from Firebase Google OAuth for Android .

2. Added Email/Password Login:

- Implemented login via email and password.

3. Added ReCaptcha_v2 for Web Authentication:

- Integrated ReCaptcha for web authentication to prevent bot interactions.
- Due to issues with loading ReCaptcha window, the feature is currently disabled (useRecaptcha set to false in constants.dart).

4. Implemented Guest User/Anonymous Login:

- Added functionality for guest users to use the app with limited features.
- Included Cart and Checkout functionality for anonymous users.

References:

- Firebase Authentication Documentation
- Firebase Anonymous Authentication
- ReCaptcha Implementation Guides
- Theming and Custom Settings

6. Persona Selection for Buyer Role:

- Implemented a persona selection feature similar to Netflix, allowing users to choose their persona.
- Created minimal themes aligned with persona templates.

7. Dark Theme Toggle:

- Added a toggle to switch between light and dark themes based on the selected persona.
- Updated ThemeController to handle dynamic theme changes.

8. Custom Theme Integration:

- Defined custom themes for each persona including a minimal three-color gradient palette.
- Applied these themes to various UI components, including AppBar, Background etc.