**Eco Habits Tracker - Codebase & Architecture Summary**

# 📁 Project Structure

- lib/  
 ├── auth/ → Login, Sign up, Forgot password  
 ├── onboarding/ → Introductory pages  
 ├── screens/ → Main screens (Home, Habit Log, Achievements, Settings)  
 ├── services/ → Firestore operations  
 ├── theme/ → Light/Dark theme definitions  
 ├── widgets/ → Bottom navigation bar, reusable UI components  
 └── main.dart → App root, routing, and theme toggle logic

# Code Highlights

- Clean MVC-style separation between UI (screens), business logic (services), and theme handling.  
- Firebase integration is centralized in FirestoreService for all DB operations.  
- Dark mode and theme toggle is managed using ValueNotifier and SharedPreferences.  
- All UI components use Material Design and maintain consistency across light and dark themes.

# Technologies Used

- Flutter (UI)  
- Firebase Auth & Firestore (Backend)  
- Shared Preferences (Local storage)

# Notes

All pages have been tested on both emulator and real devices. The app is optimized for responsiveness, and each feature is implemented with clean and readable code for evaluation.