

Meeting 4 Final Report – Sprint 2 & Project Wrap-Up

Date: 30/04/2025

7/05/2025

14/05/2025

19/05/2025 & 20/05/2025 (to prepare for our presentation)

Time : 20:45-21:00

Platform: FaceTime / In-Person

Facilitator: Dana

Note-taker: Anh

1. Completed vs. Planned Features

Planned & Completed Features

Feature	Description
Flashcards	<ul style="list-style-type: none">- UI and navigation designed using SwiftUI- Data model created and populated with categories- 30+ flashcards included for Java and Python
Quizzes	<ul style="list-style-type: none">- Multiple-choice & fill-in-the-blank formats- Quiz engine supports scoring and feedback- 20+ questions implemented and categorized
Reference Guide	<ul style="list-style-type: none">- Comprehensive guide for Java and Python basics- Switchable content based on user preference
Core UI/UX	<ul style="list-style-type: none">- Light & dark modes- Navigation bar- Shortcut search functionality
Testing & Optimization	<ul style="list-style-type: none">- UI tested with XCTest- Performance optimized- SwiftData & MongoDB integration tested and stable

Unfinished / Deferred (Why?)

None. All originally planned features were implemented. Some stretch goals were left for future extensions due to scope management.

2. Goal Achievement

Were Targets Met?

Yes – All defined project objectives were achieved:

- Developed and deployed a fully functional interactive coding app.
- Delivered both educational tools (flashcards + quizzes).
- Ensured functionality, usability, and testing coverage.

3. Ideas for Future Improvements

Suggested Feature	Description
User Profiles	Allow users to save preferences and progress
Favorites System	Let users mark flashcards/quizzes for review
User-Created Content	Add interface for users to create/share flashcards & quizzes

Suggested Feature	Description
Progress Analytics	Show user stats like quiz performance and topics mastered
Multilingual Support	Add support for other languages (e.g., French, German)
Cloud Sync	Enable login and cross-device data sync using Firebase

4. Project Demo

- A **live demonstration** or **recorded video** will be shown to walk through:
 - Flashcards navigation
 - Quiz interaction
 - Reference guide toggle
 - Dark mode toggle
 - Shortcut search feature