

Meeting 2 Report

Date: 10/03/2025 & 17/03/2025 (to be prepared for our presentation)

Time: 20:30-21:00

Platform: FaceTime

Facilitator: Dana

Note-taker: Anh

1. Updated Project Status

- **Project Title:** CoBible

- **Final Description:**

A mobile app to support first-year BINFO students in learning the basics of Java and Python. The app features a dual-language shortcuts, interactive flashcards, and quizzes. It also provides personalization features such as favourites, dark mode, and a leaderboard.

- **Programming Languages:**
Swift (iOS development)
MongoDB (Database) / MongoDB Atlas
 - **Frameworks & Tools:**
Front/Backend: Xcode (for Swift/SwiftUI development)
Design: Figma (for UI wireframing)
Database: MongoDB (stores quiz data, syntax references...)
 - **Testing:** Swift Testing, Manual Testing
 - **Platform:** iOS (iPhone/iPad)
 - **Development Environment:** Xcode
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2. Minimal Set of Functionalities (MVP)

- Home screen with navigation
 - Syntax reference for Java
 - Quiz system (MCQs, fill-in-the-blanks)
 - Flashcard system
 - Basic UI & Responsive Design
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3. Optional Functionalities (Time-Permitting)

If time allows, we will also add:

- Multi-language support (Switch between Java/Python)
 - Dark mode
 - Leaderboard for quizzes
 - Favorites/Shortcuts page
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4. Sprint 1 Backlog (March 19 – April 23)

Task	Description	Status	Assignee(s)
Define color scheme & iconography	Choose app theme and design style	To Do	Anh
Implement navigation structure	Create app-wide navigation (tabs, sections)	To Do	Erwan

Task	Description	Status	Assignee(s)
Set up MongoDB	Backend setup for storing user data, quizzes, etc.	To Do	Erwan
Create data collections	Collections for syntax references, quizzes, and users	To Do	Dana
Develop home page UI	Create main landing page UI	In Progress	Erwan
Design wireframes	Wireframes for all screens (Home, Shortcuts)	In Progress	Dana & Anh
Navigation bar	Implementation of switch between app sections	In Progress	Erwan
Expand shortcut list to 75+	Add more Java (and optionally Python) shortcuts	In Progress	Dana
Create initial list of Java shortcuts	50 core Java shortcuts prepared	 Finished	Dana
Integrate shortcuts into UI	Display and organize shortcuts in app UI	To Do	Dana
Manual testing for bugs	Initial round of user testing	To Do	Team
Swift UI testing	Verify UI interactions using Swift tools	To Do	Anh
Fix performance issues	Optimizations and performance adjustments	To Do	Team
Shortcut lookup (search/filter)	Feature to search and filter shortcuts by category	To Do	Dana
Connect frontend with MongoDB	Data binding and integration	To Do	Erwan

5. Next Meeting Preparation (for 21/04/2025 or 22/04/2025)

Topics to be Covered:

- Update on **search integration** within the reference guide
- Initial **testing results** from user feedback
- App **structure and visual shape** overview
- If time permits, demo of:
 - Multi-language switching (Java <-> Python)
 - Dark mode
 - Quiz leaderboard
 - Favourites/shortcuts implementation

6. Sprint 2 Goals (April 29 – May 24)

- Complete flashcards and quizzes (core mechanics and storage)
- Enhance UI/UX based on initial user feedback
- Implement optional features if feasible (multi-language, leaderboard)
- Optimize app performance and Firebase usage
- Final app polish and testing before final delivery