Milestones & Deliverables

#0 Prepare development environment.

- Run a Hello World program on Android phone to verify usability of environment.
- Requires support for Japanese text.

#1 Initial page layouts completed with page transitions.

- Be able to switch between pages of the app, no data passing.

#2 Ability to save words & groups into database.

#3 Ability to view groups' contents from database.

- Showing a group shows list of words in the group.
- Selecting a word in the group shows the details page for that word.

#4 Basic search functionality for finding words in the database.

#5 Ability to edit and delete words & groups.

#6 Polish Application

- Visual polish
- Improved application functionality

Timeline

Milestone	Task	Date	
Milestone #0 - Prepare development environment		Oct 9 – Oct 13	1w
	1) Research differences between Godot 3 and Godot 4		
	2) Choose version of Godot for development		
	3) Verify useability of Godot engine for Android development using a "Hello World" program		
Milestone #1 - Initial page layouts completed with page transitions		Oct 16 – Nov 10	4w
	4) Create initial layout of front page		
	5) Create initial layout of Edit-Word page		
	6) Create initial layout of View-Groups page		
	7) Create initial layout of Edit-Group page		
	8) Create initial layout of Group Word-List page		
	9) Create initial layout of Search Word-List page		
	10) Create initial layout of Word-Detail page		
	11) Connect page transitions		
Milestone #2 - Ability to save words & groups into database		Nov 13 – Dec 1	3w
	12) Setup SQLite		
	13) Implement saving group into SQLite database		
	14) Implement groups select on Edit-Word page		
	15) Implement saving word into SQLite database		
Milestone #3 - Ability to view groups' contents from database		Jan 8 – Jan 26	3w
	16) Implement previews in Group Word-List page		
	17) Implement previews in View-Groups page		
	20) Implement displaying data in Word-Detail page		
Milestone #4 - Basic search functionality for finding words in the database		Jan 29 – Feb 16	3w
	18) Implement word search bar on front page		
	19) Implement previews in Search Word-List page		
	21) Implement remaining data passing between pages		
	23) Implement sorting of search results		
Milestone #5 - Ability to edit and delete words & groups		Feb 19 – Mar 1	2w
	22) Implement editing and deleting words and groups		
Milestone #6 - Polish application		Mar 4 – Mar 29	3w*
	24) Polish page layouts and appearances		
	25) Add group and word conflict resolution		
	(stretch) Improve search and sort functionalities		

*March 4 – March 29 is 4 weeks, however spring break is March 11 – March 17.