

Student Name	Date	Number of Hours	Description of Work Done	Reference
Everyone	Jan 17, 2025		1 Meeting. Distribution of work. Choosing team lead. Decide on the app.	
Russell Han Josef	Jan 18, 2025		1 Planning on the project scope and role distribution.	
Russell Han Josef	Jan 20, 2025	1.5	Research on screens to have. Finding screens inspiration. App name and branding.	
Simone Lue	Jan 20, 2025		1 Project Proposal Draft writing - Started the introduction section.	
Simone Lue	Jan 21, 2025		2 Project Proposal writing - Finalizing draft writing -> Proposed Research Project, Project Planning and Timeline, Project Contract	
Simone Lue	Jan 22, 2025		2 Figma initialization, developing wireframes, general idea of screens	
Russell Han Josef	Jan 22, 2025		2 Research on Heroku Dynos and Postgres workflow	
Simone Lue	Jan 22, 2025		1 Wireframe for homepage	
Russell Han Josef	Jan 22, 2025		1 Researched about conducting surveys and user testing.	
Simone Lue	Jan 24, 2025		1 Wireframing for quiz screens	
Simone Lue	Jan 25, 2025	0.5	Finalized proposal, ready for submission	
Russell Han Josef	Jan 25, 2025		Commit Git for Proposal.pdf. Researched for APIs: OpenAI gpt model to use, Google Places, Google Maps, Eventbrite, OpenWeatherMap. Get all the API Keys	
Simone Lue	Jan 27, 2025		2 needed.	
Everyone	Jan 27, 2025		2 Wireframing screens: interactive maps, chatbot, my trips	
Russell Han Josef	Jan 28, 2025	0.5	Regroup to discuss about the progress and knowledge sharing: Wireframe, APIs.	
		0.5	Get Free credits from Heroku account using GitHub for Student Developer Pack	
			Researched on Database Schema. Learned more about PostgreSQL vs Microsoft SQL vs MySQL. Then Firebase NoSQL. Learned about Hybrid Architecture	
Russell Han Josef	Jan 28, 2025		2 Approach with both PostgreSQL and NoSQL. Exported 2 diagrams.	here
Russell Han Josef	Jan 29, 2025		1 Get more insights from Prof. Priya in how do we approach surveys collected and user testing if user doesn't reside in a same country.	
			Research on Reactive Native Expo vs CLI, environment setup and ways to start a project + gluestack v2 ui. Decided on React Native CLI as it was more suitable for	
Simone Lue	Jan 31, 2025		3 the project scope	
			Started and added frontend project shell to github. Encountered issues with the folder structuring when adding to github: Empty folder was being pushed to	
Simone Lue	Feb 01, 2025		2 github instead of with the code. Had to restructure multiple times before successful	
Russell Han Josef	Feb 03, 2025	1.5	Created backend shell. Tested the shell and it's running. Pushed to GitHub repo.	
			Regroup to discuss about Database Schema of PostgreSQL and NoSQL. Update on the frontend shell. Update on the backend shell. Troubleshoot how to run ios on the machine on the first time pulling. Ensure frontend shell can work on both machines.	
Everyone	Feb 03, 2025		1 Tasks assignment for the upcoming week.	
			Frontend shell wasn't working on Russell's machine. Troubleshooting. Cocoapods installed but pod wasn't installed successfully.	
			Finding: XCode wasn't install properly.	
			When running xcode-select -p on terminal. It showed other thing than "/Applications/Xcode.app/Contents/Developer"	
			Details: The problem was that the path to the Xcode command-line tools was not correctly set, causing the xcrun command to be unable to locate the iOS SDK (iphoneos). This resulted in the error message: SDK "iphoneos" cannot be located.	
			Code to run:	
			sudo xcode-select -s /Applications/Xcode.app/Contents/Developer	
Russell Han Josef	Feb 04, 2025		1 Solved!	
			I encountered an issue while deploying my FastAPI app to Heroku. The deployment failed with a ModuleNotFoundError for the backend module. After investigating, I realized that the folder containing the app was named Implementation with a capital "I", but the Procfile was referencing it as implementation with a lowercase "i". Instead of renaming the folder, I updated the Procfile to correctly reference the folder name with the capital "I" as it appeared in the project. After this	
Russell Han Josef	Feb 04, 2025	2.5	update, the deployment was successful, and the app was properly hosted on Heroku.	

Russell Han Josef	Feb 04, 2025	<p>Problem: Setting up PostgreSQL was challenging, especially connecting pgAdmin to both my local database and Heroku's remote database. I struggled with authentication issues, missing roles, and ensuring my tables were correctly created in both environments.</p> <p>Solution: I configured my local PostgreSQL by setting the correct roles and connected pgAdmin to Heroku using the provided DATABASE_URL. I ensured the database schema was consistent across both environments and created tables using SQLAlchemy.</p> <p>Explanation: This helped me understand how PostgreSQL differs locally and on Heroku, how to manage database credentials, and how to properly set up pgAdmin for database administration.</p>
		<p>Problem: Deploying to Heroku failed due to an incorrectly placed Procfile, missing dependencies in requirements.txt, and misconfigured environment variables like DATABASE_URL and SECRET_KEY.</p> <p>Solution: I moved Procfile to the root directory, updated requirements.txt, and set DATABASE_URL correctly in Heroku's environment variables. Restarting the Heroku dyno applied these fixes.</p> <p>Explanation: This taught me the importance of directory structure and configuration files in deployment and how to debug deployment failures using heroku logs --tail.</p>
Russell Han Josef Simone Lue	Feb 04, 2025 Feb 06, 2025	<p>Problem: After fixing deployment, my app still crashed on Heroku (H10 App Crashed) due to SQLAlchemy not recognizing Heroku's DATABASE_URL format and FastAPI failing to bind to the correct port.</p> <p>Solution: I modified db.py to convert postgres:// to postgresql://, ensuring SQLAlchemy could connect. I also updated Procfile to bind FastAPI to Heroku's \$PORT.</p> <p>Explanation: This reinforced the differences between local and production environments, the need for dynamic configurations, and how Heroku manages deployments and environment variables.</p>
		<p>1.5 Started on the Quiz Screen component: Adding pressable buttons and sorting out the general layout of the text and buttons Completed QuizScreen and the styling file for it.</p> <p>Added:</p> <ul style="list-style-type: none"> - Back/Next button for navigation between questions. - Back button not visible on the first question - Progress bar to visually represent questions done/left - Color change when button is selected - Have a couple of example questions set as placeholders
Simone Lue	Feb 07, 2025	<p>2.5 Started on the layout of the HomeScreen as well as its corresponding styling file.</p> <p>Added:</p> <ul style="list-style-type: none"> - Search bar (text input) - Horizontal scroll for 'My Trips' (with placeholder trips set + default card for when there are no current trips added)
		<p>Problems encountered:</p> <ul style="list-style-type: none"> - Had trouble with using Carousel (react-native-snap-carousel) - The dependencies had conflicts and version compatibility issues, specific issues with propTypes - Nothing was working <p>Alternate solution:</p> <ul style="list-style-type: none"> - Used FlatList with horizontal scrolling instead
Simone Lue	Feb 08, 2025	2

Started on the bottom navigation menu ->

Problem: Tried using external library for icons but icons would not show up properly (Question mark in the middle of a box shows up)

- Issues with linking fonts with Xcode

Alternate plan: For now I am using emojis as a placeholder icon, will revisit adding external library of icons at a later time

Bottom Navigation now has seamless navigation between Home and Quiz screens ->

Quiz screen to be replaced at a later time, currently acting as a placeholder for other screens

Simone Lue

Feb 08, 2025

2