

Date	Number of Hours	Description of Work Done
Jan 18, 2025	1	Planning on the project scope and role distribution.
Jan 20, 2025	1.5	Research on screens to have. Finding screens inspiration. App name and branding.
Jan 22, 2025	2	Research on Heroku Dynos and Postgres workflow
Jan 22, 2025	1	Researched about conducting surveys and user testing.
Jan 22, 2025	1	Created survey questionnaires and shared using Microsoft Forms. -> Github Repo -> Misc -> Form_Exploration App Survey_ Help Us Build Your Dream Travel Planner.pdf
Jan 25, 2025	2	Commit Git for Proposal.pdf. Researched for APIs: OpenAI gpt model to use, Google Places, Google Maps, Eventbrite, OpenWeatherMap. Get all the API Keys needed.
Jan 28, 2025	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 Approach with both PostgreSQL and NoSQL. Exported 2 diagrams.
	2	-> GitHub Repo -> Misc -> WayPoint-SQL-Schema.png
Jan 28, 2025		-> GitHub Repo -> Misc -> WayPoint-NoSQL-Schema.png
Jan 28, 2025	1	Created Video to share surveys on Instagram. Link: <a href="https://www.instagram.com/reel/DFXOyODRLOI/?igsh=ZnF4OWhqbk0NnVx">https://www.instagram.com/reel/DFXOyODRLOI/?igsh=ZnF4OWhqbk0NnVx</a>
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.
Feb 03, 2025	1.5	Created backend shell. Tested the shell and it's running. Pushed to GitHub repo.
		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"
	1	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 (iphonios). This resulted in the error message: SDK "iphonios" cannot be located. Code to run: <code>sudo xcode-select -s /Applications/Xcode.app/Contents/Developer</code>
Feb 04, 2025		Solved!
	2.5	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 update, the deployment was successful, and the app was properly hosted on Heroku.
Feb 04, 2025		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.
	1	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.
		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.
Feb 04, 2025		

Feb 04, 2025	1	<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>
	2	<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>
Feb 04, 2025		