Progress Report 1
CSIS 4495
Douglas College

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Work Date/Hours Logs

Date	Number of Hours	Description of Work Done
Jan 28,2025	2	Researched best practices for backend structure and API design
Jan 31,2025	1.5	Reviewed previous projects for reference and planned database schema
Feb 4,2025	3	Learned some concepts of Flutter and React Native
Feb 7,2025	2	Downloaded and setup of tools and software to be used
Feb 8,2025	1 .5	Created of rough idea of use case Diagram and discussed with my group member to next functionalities for the project

Description:

As we have chose PathSeeker for our project which will suggest jobs to users according to their profile and skills or preferences. Till today, I have not contributed any code as we were really confused with the front end that whether we should go with Flutter or React but now it is concluded that ReactNative is best suited to this project, and we will continue with that further. So, for that I have started learning concept of React and have downloaded tools for the same which will be used. I will also use Android studio which I was already having but tools like Expo, Vs code, Xcode, Nodejs will be used in project which is new for us, but we will work on it.
By next week, I plan to start working on coding tasks such as UI and xml and then after that will be setting up the database and API structure.

SYSTEM ARCHITECTURE:

Front End: Mainly Android and React

Backend: Node.js

Database: Firebase and MySQL.

I have added rough idea of Screens, or I can say sequential flow of project which as follows:

User Logs In:

- The User enters their credentials.

- The System authenticates the User.

User Updates Profile:

- The User provides or updates personal information, skills, and preferences.

- The System saves the updated profile data.

System Suggests Jobs:

- The System analyzes the User's profile.

- It retrieves job listings matching the User's skills and preferences.