Student’s Full Name: Hieu Dang

WEEKLY Log #9

From: 10/30 To: 11/06

Today’s Date: November 06, 2023

Name of Agency: University of New Hampshire

Number of Hours Worked this week: 15 hours.

Cumulative Hours to Date: 107 hours

Individual’s Weekly Log

I. Accomplished tasks this week:

1. Connect the local to Firestore.

- This week I was trying two ways connecting the cloud database management system to my local system. I used Firebase for the first test on my sample project. The Firestore did not work well because I had some issues and errors on the command prompt when tried to initialize the Firebase. It connected but I have some thing to work on it, but I still think I just give it a try on Firestore, the main feature I would use on this section is Realtime Database.

2. Connect the local to Realtime Database.

- The Realtime Database is slightly different from Firestore, but in general they are both cloud database management systems. I have found that the Realtime Database is a little bit easier to use than the Firebase because the Database has more visualizations for the data and easy to write code to set or get the data from it. This time is totally different than Azure that I had done before, Azure automatically wraps the back end and runs everything in a single run, but the Firebase is that we have to manually set up the database. This is more complicated for an existing project because we have to refactor and rewrite the code so it fit to the Realtime Database schema, but it would be very convenient for the new projects as we set it up along with the project.

II. Tasks in the process this week.

1. Sync the sample project database to Realtime Database.

- This week I have connected Realtime Database successfully to my local machine, but I have to work more on it to understand all the syntaxes and to work will to make them communicate between the local database and the cloud database.

III. Tasks to be started next week.

1. I will give it a try on another Django project with Realtime Database.

- Getting used to with the communication between Firebase and Django is very important, understand how they talk to each other and set up the database properly, I consider this step is important because I have to organize and manage the database manually not like Azure.