Final Report

420-EP6-AS C2\_WORKPLACE INTEGRATION

From May 1st to June 21th, 2024

Nouvel Horizon Canada

After 8 weeks doing internship in Nouvel Horizon Canada, I have learned lots of soft and hard skills from my manager and working experience. In this stage, my goals are completing Database Management and Website related to Immigration Service. At the beginning, I felt hard since I have no experience on designing the database application and the website; however, thanks to my manager’s supports, I have idea how to deal with it.

I started to deal with database management application. My first week started from 1/5 to 3/5. The first day, I made a stage discussion with my manager about requirements of the app, how the product looks like, what she wants to add in her app, … Then she explained to me about logical business of the project such as how the process is going to be, … Finally, I began to download necessary tools such as Mongo DB Server, Mongo DB Compass, Visual Studio 2022 Community. On Thursday I began to design the UI of the project related to database management requirements the UIs which are home page, general idea of Creation and List Page for Admin Employer, Worker. I'm continuing designing those UIs. At the end of the day, I finished the UI of Creation and List Page for Admin, Employer and Worker. My first week is hard since I have no experience on how to design an app, and I do a lot of research. Luckily, I remember some good templates from my teacher when I'm studying which is helped me a lot.

The second week starts from 6/5 to 10/5. On Monday I began to set up the project with some necessary packages like NPM, electron, electron-builder. I started to code the UI of admin, employer, worker list with HTML and CSS. On Tuesday I started searching for the method to deploy the electron app as an executable file, and finished the code UI of Admin, Employer and Worker List. On Wednesday I started coding UI of Admin Employer Worker Creation Pages with HTML and CSS, and it's hard to have no idea how to start but luckily, I'm researching a lot of templates from outside resources which has helped me a lot. On Thursday I'm continuing the coding UI of Admin Employer Worker Creation Pages. On Friday, I'm finally finished the code UI of Admin, Employer Worker List and I'm started to brainstorm how to deal with the JavaScript of Admin Worker Employer List. This week I'm getting used to how the real work looks like, it is hard and needs to do lots of research just to deal with numerous small problems included in a big problem. It was also a good experience for me because this is the first time I'm using electron which is a framework using html as the UI of desktop application.

The third week is from 13/5 to 17/5. This week I mainly focus on how to work with CRUD operation in MongoDB. On Monday I'm continuing the operation of Admin Employer Worker list with the requirement from my manager, and I also start to research how to work with the CRUD operation in MongoDB. This is difficult for me because this is the first time I'm going deeply into the operation of MongoDB. Although, I I've learned it before from my professor in Lasalle College, I Still need to research because of some advance operation. Therefore, on Tuesday I'm continuing the operation of Admin Employer Worker List. On Wednesday I finally finished those operations, and I also modified some details about the UI of Employer list because I have some new requirement from my manager about that page. The next day, I started working with the operation of Admin Employer Worker Creation page. This is difficult for me to do it because the creation page requires the input file, and I must store that file into my MongoDB. I spent the whole day just working with the operations how to store the file into the MongoDB. Therefore, on Friday, I must continue with the operation of Admin Employer Worker Creation. This week is a challenge for me because I've never saved the file into MongoDB database before, so I spent my whole weekend just to investigate how to store it in MongoDB.

Finally, I found how to deal with store the file into MongoDB, so next week started from 20/5 to 24/5, I finished the operation of Admin, Employer, Worker Creation and I started working on the UI of Admin Employer Worker Update. On Tuesday I continue the UI of Admin Employer Worker Update. The next day after finishing the HTML of Admin Employer Worker Update Pages, I start doing the CSS of those pages. On Thursday, I finished the UI of Admin Employer Worker Update and started working with the UI of Admin, Employer, Worker Delete. The last day I just continued the Admin Employer Worker Delete page. This week for me went smoothly because I know the basic how to deal with most of Operations and UI of those Pages, And I also have a lot of support from my manager as well.

The next week starts from 27/5 to 31/5. On Monday, I finished the UI of Admin Employer Worker Delete, and started decorating UI of those pages with CSS. The next day I just continued decorating the UI of Admin Employer Worker Delete. I finally finished the decoration UI of Admin Employer Worker Delete on Wednesday. And I also started working on the operation of Admin Employer Worker Update Pages with JavaScript. My last two day I am continuing the operation of Admin Employer Worker Update. This is our easy quick with me because I have no what to do and just continuing my process thanks for my document from LaSalle College I have use it a lot in the project.

Week 6 starts from 3/6 to 7/6. On Monday I finished the operation of Admin Employer Worker Update Pages. Then the next day, I started doing the operation of Admin Employer Worker Delete with JavaScript. I continue doing those operations on Wednesday and finish on Thursday, then I start creating UI of Login Page with HTML and CSS. I punish the UI of locking page and complete all the Log in Operation. This is my last week of this database management application, so I must look through everything very carefully to make it run perfectly and I also fix some small details which are quite important in the project. Database management is a challenge to me because this is the first time I've done database management based on a real requirement and everything is in order and scheduling.

Week 7 starts from 10/6 to 14/6. This week is about website designing. On Monday, I started designing the Index page with Figma. On Tuesday and Wednesday, I am working on coding HTML CSS of that page. On Thursday I start designing the About page with Figma, and I start coding and finish Html and CSS of About page. This week is a little bit difficult for me because this is the first time I must design the website by myself and I have no idea how the appearance of the website, but fortunately I finally can do it.

The last week is from 17/6 to 21/6. On Monday, I’m designing a Service page with Figma, and start coding and finish it on Tuesday. On Wednesday, I start designing Contact page with Figma, and finish its HTML and CSS on Thursday. The last day I completed contact from API. This week is the last week, so I must work on everything carefully and luckily everything is under control, and it is not hard for me because I have learned it in college.

After the internship, I feel that I have learned a lot of things from my stage especially from my manager and my working experience I've learned a new thing about electron, electron-builder, MongoDB in advance operation, using figma to design it and learn a lot of things about how the real work process.