**Overall learning experience –**

It has been a wonderful journey right from the very first week till now. I remember how I excited I was after the first class got over and for the first time in my life I was going to build mobile applications. Initially everything was looking to be easy. As weeks progressed, things started becoming a lot more challenging.

From the very first week when I went into the lab and was introduced to xcode, I was sure that I am going to learn something completely new as I earlier never had experience with swift. First week I got my developer certificate and I started to explore Xcode. I was clicking on almost every options and trying to decode what that element would be used for.

As the first week passed, during the second week I finally developed a mobile app and was very happy. I learnt about buttons and labels on that week and specially I got to know about the sender and tag functions.

In the next week learnt more about tag functions and about outlets and actions and learnt properly how to connect multiple buttons in the same action function. In that week my concepts of view controller and other UIbuttons and labels were becoming clearer and finally after the completion of week 4 my concept of UIViewControllers became absolutely clear. I started to learn more about different views and classes. I learnt how to make a music player which I eventually used in my assignment 1 for tic tac toe app. I learnt a lot of new functions from the music player app and also learnt how to add swift files in projects.

After the completion of week 4 we were introduced with the concept of TableViewController and how they are implemented in a project. Hence I got to learn about table views and modified them and tested in different ways. I learnt about cocoa touch class and how to add a view controller with the file for writing code and connecting the elements of the viewController with the code. I also leant about segue’s and how they form an integral part in app navigation. All goods app have a good navigation system, hence learning about segue helped a lot for creating my application for assignment 2 and also came useful in other unit where I am doing a project. In week 5 I was introduced with github and learnt about creating respiratories and how to add the project with the git respiratory and keep updating every week or so. In week 6 we were introduced with MapKit which was very interesting as it made the trip app more usable and also learnt few things about geocoding, which was very important for me as I had to use that feature in my assignment 2 project. In week 7 I learnt about storing data in databases and how to add, modify and delete trips from the database.

In week 8 we extended the trip app by using web APIs to retrieve the JSON data, and hence I learnt how to convert the JSON data and use it in my app. The trip application was finally completed and I had acquired enough knowledge to complete my weather app which I was making for my assignment 2 which uses table view and Web APIs for updating weather of different places.

Finally in week 9 I learnt about animation and learnt how to use different classes and objects for running the animation application. I learnt about the dynamic behavior class and the gravity class and acquired to knowledge of how to use them in different situations.

Overall it has been a great journey right from the beginning. I would like to thank my lab tutor and the unit chair for the quick responses to my emails and for the invaluable support that I have been receiving throughout the semesters from my teachers.