**Project implementation**

**Sprint 0**

Task：Choose a topic

Make a project play

Determine user story

Prioritize tasks

Make a wallboard

Make a burndown chart

Set personal tasks for the next week (sprint 1)

Time：16 May 2019

First of all, we need to determine the theme. The topic of online bus booking has been selected in the last assignment. This project will continue this theme. Then determine the user story. In this project, I will determine that the target group of the application is the employees of the bus company. Then employees will work as users with the developed application. First of all, employees need to log in during use. Secondly, bus schedules can be added, deleted or changed. Employees are also required to add, remove or change the type of bus. Employees also need the ability to add, delete or change bus prices. Employees are required to enter the homepage navigation function of the website. There are also pages that guide employees on how to use the system. These are user stories.

After determining the user stories, set the tasks needed to complete them. The task in this project is to set up the database and set up six pages including the main page. Next, make plans to accomplish these tasks. We need to consider the priority of the task when making the plan. First, the database is the foundation of everything. So our first step is to set up the database. The project database contains three tables --bus table, type table and price table. After setting up the database, you need to set up three pages connecting the three tables on the website. Then create the landing page. Once the about page is set up, modify the main page and layout that connect to other pages. Make it according to the priority plan. Project preparation will be completed after the task of next week (database establishment) is confirmed.

**Sprint 1**

Task：set up the database (bus,type)

Update the Scrum wallboard and the burndown chart

Test

Time：16 May 2019-23 May 2019

This week, I started my first Sprint. This week's task is to set up a database. Because I don't have a good grasp of the breakdown of work tasks, I am not very clear about my work efficiency. Therefore, the task of establishing the database is further refined and decomposed into three tables, making the actual curve higher than the planning curve. Although the actual curve is higher than the planning curve, the trend of the actual curve is consistent with the planning curve, indicating that the productivity of the work is constant. But by the end of the Sprint, I had only completed two tables. At the sprint review meeting, I agreed that the team's work time needed to be more precise, the tasks needed to be more granular, and the goals needed to be clear. Task decomposition needs improvement. Determine the tasks for the next Sprint after completion. Next week I will finish the database construction and coding of the page as much as possible.

**Sprint 2**

Task：set up the database (price)

Code the price page

Code the bus page

Code the type page

Update the Scrum wallboard and the burndown chart

Test

Time：23 May 2019-30 May 2019

In this Sprint, work is relatively proficient. As a result, work was done much faster. This week I completed the creation of the last table in the database. The database is set up. Coding of the page connecting the three tables in the database was completed at the same time. The most basic requirements of the site have been completed. When I created the page, I only had a slight problem on the "type" page because the name was the same as the system type. A quick and smooth settlement. The process went relatively smoothly. The overall trend of burndown chart is normal, the work is overfulfilled. During the sprint review meeting, we determined the target for next week. I will complete the coding of several other pages.

**Sprint 3**

Task：Code the homepage

Code the login page

Code the about page

Update the Scrum wallboard and the burndown chart

Test

Time：30 May 2019-6 June 2019

In this Sprint, I need to finish the coding of the remaining home page and login page. I changed the page layout to connect the three new pages to the main page. Several pages were built in relatively little time. The final test result was successful. The site looks a little basic. But it has all the features it needs. The project is basically completed. I'll use the rest of the time to wrap up the documentation such as burndown chart.