

Project Log

Wednesday 25th November 2015

Time: 14:00-21:00 (Total Hours: 7)

Plans

Our first objective of the day is to understand what the project needs from us. Our main target for the day is to complete a number of the use cases, including returnBike, hireBack and addBike. As we implement the use cases we will also complete the system tests for the corresponding use cases so that we check if they are working or not. Our session began with a 1 hour meeting between us where we discussed what we each believe the system wants and how to implement these. Once we brainstormed all of our mutual ideas for the project we began working on it together. We decided to use pair programming as it we find it better to write the code together rather than alone since it will reduce the errors made as “two brains are better than one”.

Achievement

From our meeting and brainstorming, a clearer picture of what the system wants from us came about. We implemented the use cases which we planned for and also ran the system tests for these successfully. We had completed these objectives by 19:00 so for our remaining planned time we thought of how we would approach the next day. Working together has given us the ability to have small discussions about what we believe some code that is already written and not so clear actually does. This saves us from waiting till our next “big” meeting we would have if not working together to discuss problems that arise, which helps us solve problems on the spot which is a lot more time efficient.

Reflection

The plan for the day which was to understand the code given and also implement the three use cases was successful. Finishing our goals earlier than expected also helped us think of what we would do the next day. We also decided to schedule a meeting with a tutor at 12:00 on Thursday 26th November 2015 to help us get a clearer understanding of what is required in areas where we have a bit of blank space. Our day finished at 20:30 rather than 21:00 as we were not sure how to attempt some other tasks and also due to the fact that we had completed our objectives for the day.

Thursday 26th November 2015

Time: 12:00-15:00 18:00-21:30 (Total Hours: 6 1/2)

Plans

Our plans for today are to complete the meeting with the tutor in hope that we have a clearer understanding of some grey areas and then go on and complete as many use cases as possible. Due to other requirements, our time is limited and divided today in comparison to Wednesday. Our meeting with the tutor at 12:00 should last around 20 minutes and therefore we will commence work at 12:30. We will begin the day tackling the viewUserActivity use case, followed by AddDStation use case. At the end of our session we will discuss what we will complete on the next day.

Achievements

During our meeting with the tutor we received a clearer understanding on how the use case for user activity will be implemented and also how some blocks of code work and the reason behind them being used. Once our meeting was completed we had a small 20 minute meeting together to gather our ideas and then worked till 1500 to try and implement both use cases. We managed to implement the viewUserActivity, and once we began working at 1800 again we implemented the user class and tried the addDStation use case again.

Reflection

We could not manage to implement some of the use cases and the new classes so decided on scheduling another meeting with the tutor on Friday 27th November 2015 at 11:00. Coming into day 2 we have noticed that our work pattern and the fact that we are working together on the coding has helped us find errors more efficiently and easier rather than alone. Whilst working on our project, at 20:15 the university network went down which led to us having no access to the Dice machines. This network failure lasted till the early hours of the morning and so we had to stop working on the project 1 hour and 15 minutes earlier than planned. Going into day three our understanding of the project has improved.

Friday 27th November 2015

Time: 11:00 – 1500 17:00-2200 (Total Hours: 9)

Plans

Our plans for today are to complete the meeting with the tutor and hopefully have a clearer picture of what is needed for us to complete more use cases and implementing new classes. Once we are finished meeting with the tutor we will have our own personal meeting to discuss what we have understood better and help clear each others idea of the project. We aim to complete all the main use cases and also begin the supplementary use cases.

Achievements

The meeting with the tutor helped clear up our questions for the project which was noticeable in our personal meeting with each other as we were both on very similar mind sets about how to complete the use cases and implement the new classes. Our main focus today was to get as much work done as possible, getting the system tests passing and implementing the compulsory and supplementary use cases. We managed to get the compulsory use cases up and running and several of the supplementary.

Reflection

Everything has gone according to plan, and better as we have a much better understanding of the system now and so implementing new use cases and creating classes has become clearer. Fortunately no unplanned issues came up, and any problems we were having we managed to find answers to on the online discussion forum. Overall it was a successful day.

Saturday 28th November 2015

Time: 13:00 – 18:00 (Total Hours: 5)

Plans

Our plan today was to continue work on the supplementary use cases and also get some of the use cases which were not passing our tests fixed. We also aimed to implement a few more methods for updating the system whenever certain tasks in the system are performed. Our time today was limited in comparison to other days so limited the amount of work we could manage.

Achievements

This day went better than planned, as we managed more work than we expected. This was mainly due to us getting a better understanding of the system and how certain methods should work. We created a list of users at the Hub class and we managed to update it whenever a new user registered. We also succeeded in completing more updates for the hub.

Reflection

This day of work ran smoothly and fortunately no unexpected problems occurred, even though we spent quite a bit of time deciding how to represent the list of users as. We should concentrate more on a single task than multiple tasks in the future, so that we don't get lost.

Sunday 29th November 2015

Time: 15:00 – 23:00 (Total Hours: 8)

Plans

Our plan today was to continue as the previous days and try to complete all the supplementary use cases and get all the tests passing, so that we know that our methods work leaving us with just final tweaking of the code for the next day

Achievements

We managed to complete all the supplementary use cases, with just one which we needed more clarification on, so we went on to the online discussion forum to ask about it and see if we could receive some clarification on it. Thanks to some answers, we managed to create some more classes which are crucial for the system and some methods important for updating information.

Reflection

Overall today was a productive and successful day even though we had some problems with one of our use cases. We realised today that we should not spend so much time in something that we are stuck on and instead continue with other tasks until we get an idea. Regretfully, we wasted some time because of that.

Monday 30th November 2015

Time: 1400 – 00:00 (Total Hours: 10 Hours)

Plans

Our plan for today was to finish the event testing and then go through the project again and complete some areas which were not completely implemented and also make our tests more specific so that our use cases could be tested more vigorously. We also planned on tidying up our code and taking away any methods which were not needed and variables which were never used.

Achievements

We managed to implement the event tests successfully. Going through the code again we found methods which we did not need and some variables, and also managed to make our code look tidier and more friendly to another user who may read it. By the end we managed to get our tests passing and giving the results we expected.

Reflection

Going through our code and tests again we found more problems than we actually expected and so therefore took us more time than we wanted. Apart from this unexpected issue, everything else flowed nicely.