SCRUM Planning

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**ICT Engineering**

**Semester 2**

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# 1. SCRUM Roles

SCRUM Master: Claudiu Rediu  
Product Owner: Tudor Ciobanu

# 2. Sprint Planning

1st Sprint:

16th of April – 11th of May (4 days, 6 hours a day, 24 hours per person, 96 hours a sprint, only Thursdays)

2th Sprint:

14th of May – 18th of May (4 days, 6 hours a day, 24 hours per person, 96 hours a sprint)

3th Sprint:

21st of May – 25th of May (4 days, 6 hours a day, 24 hours per person, 96 hours a sprint)

4th Sprint:

28th of May – 31th of June (4 days, 6 hours a day, 24 hours per person, 96 hours a sprint)

5th Sprint:

1st of June – 4th of June (4 days, 6 hours a day, 24 hours per person, 96 hours a sprint)

6th Sprint

5th of June – 8th of June (4 days, 6 hours a day, 24 hours per person, 96 hours a sprint)

# 3. Group Meetings

Group meetings will be work days that we decided on in the sprint and after each sprint as SCRUM Reviews and Retrospective. There would be approximately 80 hours of work per sprint. During the project period the working hours would be approximately 140 working hours.

Group meetings, SCRUM Reviews and Retrospective would be held at the university.

# 4. Sprint Backlogs

1st Sprint

|  |  |
| --- | --- |
| ID | Task |
| 1 | Create the MVC for the administrator part of the system |
| 2 | Create the GUI for the administrator part of the system |
| 3 | Create a database for the administrator part of the system |
| 4 | Document the implementation of the administrator part of the system |
| 5 | Create ER diagram and logical data model for the database |

Sprint Review:

Tasks were not completed at the ideal rate, the reason being that the team chose to delay the work on the project for external assignments like the Course Assignment. When the focus was brought back on this project the team has started completing the tasks at an intended pace for a sprint. By the end of the sprint every task was completed with proper documentation.

Sprint Retrospective:

WHAT WENT WELL:

-TEAMWORK

-COMMUNICATION

WHAT COULD BE IMPROVED:

-WORK PACE

-FOCUS

After the delay brought by other immediate priorities, the team has started completing the tasks intended. There is wish for the pace of the project to be faster, so the project will be completed before the deadline. The way we split tasks to each member has been satisfying and teamwork is in a good state as any issue is usually resolved, and help is offered at any difficulty encountered. Fast response time and understanding between teammates has made communication in the team helpful.

Finished Work:

The database for the system was created together with the ER diagram and logical data model.

The following feature was implemented with documentation done.

As an administrator I want to manage the flights, so that I can add, remove and manage details.

Testing was done for the model.

2nd Sprint

|  |  |
| --- | --- |
| ID | Task |
| 1 | Set up client to connect to RMI server. |
| 2 | Create the GUI for the administrator part of the system |
| 3 | Create a database for the administrator part of the system |
| 4 | Document the implementation of the administrator part of the system |
| 5 | Create ER diagram and logical data model for the database |

Sprint Review:

During this sprint, meetings was scarce and short for the most part. Although the circumstance, the intended feature for the sprint was achieved and even some that were needed for the cohesiveness. As a result, from the lack of meetings and communication, documentation was not made in a proper manner for each feature implemented.

Sprint Retrospective:

WHAT WENT WELL:

-WORK PACE

WHAT COULD BE IMPROVED:

-TEAMWORK

-COMMUNICATION

In comparison with the previous sprint, the work pace for developing of the project was better. More was achieved in less time. Although there was an improvement in the load of work did, communication and teamwork could be improved as the meetings were not often enough and documentation was not done for all the completed features. In the coming sprints, the team would strive for better communication and will shift focus on documentation as most of the features are complete.

Finished Work:

The following features are implemented but with lacking documentation:

As a customer I want to be able to book flights so that I can use the services ZAir provides.

As a customer I want to view and search flights, so that I can gain information on what I am interested it.

As a customer I want to be able to view all details regarding a flight, so I can make my decision when I am buying one.

As a customer I want to be able to get my flight history, so I can check details about my previous flights.

As a customer I want to be able to choose my seat, so I can get my desired seat in the airplane.

No test cases were made for the features yet.

3rd Sprint

SPRINT REVIEW:

During this sprint, meetings happened more often than the previous one. The coding of the system is brought nearer to completion. Steady work on the documentation and process report has been done, but not much in terms of completion. The database was updated for ease of use and easier extension. Splitting work has not worked that well as the team was not fully focused. Looking forward, the project period will start and there will be a lot achieved in the next period.

SPRINT RETROSPECTIVE:

WHAT WENT WELL:

-MEETINGS FREQUENCY

WHAT COULD BE IMPROVED:

-WORK TIME

-COMPLETION OF DOCUMENTATION

In comparison with the previous sprint, there was less satisfaction with how much was achieved. There was a lot of fixing involved in the existing code to prepare for the completion of the system and get the system ready to be fully documented. In this sprint, meetings happened more often, but had less focus than previous ones because most of the small tasks were done. Although not fully satisfied with the pace, the percent in which the project is complete is satisfactory considering the time left until the hand in.

FINISHED WORK:

The final state of the database

Belbin roles documentation

As an unregistered user I want to create a new account, then use it to log in or log out, and maintain my data.

4th Sprint

SPRINT REVIEW:

During this sprint, work and meetings were at the desired level. As expected, entering the project period helped with freeing the schedule of everyone and having the opportunity of meeting often and working together to maintain pace and quality. Satisfaction with the work is high and documentation is becoming the priority as the system is in the testing phase and complete in terms of features.

SPRINT RETROSPECTIVE:

WHAT WENT WELL:

-MEETINGS FREQUENCY

-WORK TIME

-FOCUS

WHAT COULD BE IMPROVED:

In comparison with the previous sprint, everything went as intended and work put brought the results that were waited for. Everyone was satisfied with the schedule, work load and pace. Focus was on the project. Now the documentation and testing is the main priority, shifting away from coding the system.

FINISHED WORK:

All features intended for the system

Use Cases