**Weekly Learning Log and Reflection**

**Week1**

|  |  |
| --- | --- |
| **Student Name: Wenjing Li** | **Student Number: A00279784** |
| **Subject: Agile Methodologies 4.2 - (AL\_KSENG\_B\_4)** | **Semester Number:2** |
| **Student Signature: Wenjing Li** | **Week Number: 1** |

* What new knowledge and/or skills did I acquire this week?

The work agreement is very important for an agile development team. The work agreement defines the concept of teamwork, and also defines how to play the value of individuals in the team, and also defines the responsibilities of members to the team. The ultimate goal of the work agreement is to make the team more efficient and reflect the product's better value.

Grooming and Planning can make user needs clear, and at the same time clarify what is important work, what is valued work, and what work should enjoy higher priority.

* What existing knowledge and/or skills, if any, did I employ and/or build upon this week?

Detailed appropriately helps me improve my user stories, and yes, the user stories are more accurate.

* Describe the context within which I employed my knowledge and skills this week.

This week I reviewed the user stories written by the previous team, and the strategy adopted is the modification and plan I learned this week.

* How much responsibility did I take, personally and in my group, for the application of my knowledge and skills this week? What role did fulfil within the group?

This is our first week. What our team needs to do is The work agreement. For individuals, we need to complete our own learning log. Therefore, this week I participated in the discussion of the meeting as a participant.

* Are there still gaps in my learning? If so, identify those gaps and describe the steps that I plan to take to fill those gaps.

The user story part is still my weakness. Although I know what format I should follow, the user stories I write sometimes feel imprecise and sometimes unreasonable.

In order to make up for the shortcomings, I need to strengthen practice and learn how other people in the team write user stories. At the same time, find relevant materials to learn through Google.

* How has my learning this week helped me to develop as a Software Engineer and in my interactions with other members of my group/class? Which interactions did I value?

I especially like the knowledge I learned this week because it includes how to do grooming and planning. The strategies contained therein are no longer theoretical, but taught me how to analyze user needs and plan. We met together to discuss, when I have a question, I can raise it, and others will help me answer it, which strengthened my understanding of teamwork. At the same time, I also realized that although I still have a little language barrier, I am still an important part of the team and I need to work hard to do what I am good at. In this way, our team will better approach the efficient agile team.

**Week2**

|  |  |
| --- | --- |
| **Student Name: Wenjing Li** | **Student Number: A00279784** |
| **Subject: Agile Methodologies 4.2 - (AL\_KSENG\_B\_4)** | **Semester Number:2** |
| **Student Signature: Wenjing Li** | **Week Number: 2** |

1-24-2021

* What new knowledge and/or skills did I acquire this week?

“Estimation is one of the hardest things to do in software development whether using an agile methodology or not”.

How to use strategies to properly estimate workload is what I learned this week.

How to following guidance from the “moodle”.

* What existing knowledge and/or skills, if any, did I employ and/or build upon this week?

We evaluate the workload based on the story, and the unit used is hour.

When everyone's estimation of the stories is completed, it can be seen that those stories are quite divided.

* Describe the context within which I employed my knowledge and skills this week.

When I estimate story points, I use “CSU1 - create a new customer account” as a benchmark.

In the later story estimation, if it is more difficult than this, I will increase the time, and if it is easier than this, I will reduce the time.

* How much responsibility did I take, personally and in my group, for the application of my knowledge and skills this week? What role did fulfil within the group?

Participate in meeting discussions. Download the git repository, create a branch, and upload the branch. Write learning log.

* Are there still gaps in my learning? If so, identify those gaps and describe the steps that I plan to take to fill those gaps.

Estimation is still hard for me , from the perspective of a team manager, how to organize everyone and make a reasonable assessment is a very interesting thing. I know that Fibonacci sequence, "planning poker" can be used to assist the team in completing the work. But it needs practice and summary.

* How has my learning this week helped me to develop as a Software Engineer and in my interactions with other members of my group/class? Which interactions did I value?

How to ensure that everyone on the team understands the user story and makes an evaluation based on this criterion is a must. For developers, before doing any work, they must understand the user story, which is the most important thing.

**Week3**

|  |  |
| --- | --- |
| **Student Name: Wenjing Li** | **Student Number: A00279784** |
| **Subject: Agile Methodologies 4.2 - (AL\_KSENG\_B\_4)** | **Semester Number:2** |
| **Student Signature: Wenjing Li** | **Week Number: 3** |

1-31-2021

* What new knowledge and/or skills did I acquire this week?

This week I have learned “Test Case Design and Coverage Techniques”. I have a deeper understanding of white box testing and black box testing.

* What existing knowledge and/or skills, if any, did I employ and/or build upon this week?

**Black box test**

Black box test “technique” aimed at preparing test cases.

Equivalent partitioning is very important in black box testing, where Divide the range of possible inputs (and outputs) into partitions / classes ensures high coverage of black box testing.

Test Coverage (MIN ,MAX)

Min: including at least once in a test case specification.

MAX: all permitted combinations of leaf classes are considered.

Reasonable Coverage: between the minimum and maximum criterion.

**White box test**

Testing based on an analysis of the internal structure of the component or system.

White Box Test Techniques include:

Statement Testing

Branch Testing

* Describe the context within which I employed my knowledge and skills this week.

This week I accepted a task that is developing “Login” functionality.

I think, I can use “Black box Classification Tree” to make sure that the conditions are not missed, and clarify the minimum test range.

And use “White box test” to make sure Statement Testing and Branch Testing are covered.

* How much responsibility did I take, personally and in my group, for the application of my knowledge and skills this week? What role did fulfil within the group?

Participate in meeting discussions. Participate in User Stories Allocation/Estimation.

* Are there still gaps in my learning? If so, identify those gaps and describe the steps that I plan to take to fill those gaps.

Black box test “technique” aimed at preparing test cases. I am still confused, I check “Black box test” on Google, I got different answers. I need more time to understanding this sentence meaning.

* How has my learning this week helped me to develop as a Software Engineer and in my interactions with other members of my group/class? Which interactions did I value?

The "Test Case Design and Coverage Techniques" I learned this week will help me in my future work, how to rigorously complete the test work and ensure the quality of the code.

At the same time, we hold two meetings this week, discussed how to allocate user stories. Everyone has undertaken the corresponding work.

The interaction I value is working together to understand the overall process and every detail of team development.