SWE40002 – Software Engineering Project B

Semester 2, 2018

End of Semester Self-assessment

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Team #: 21

Project Name: Smart-glass based remote guidance system

## About Self-Assessment Reports

Self-assessment reports are submitted at the end of Semester 2, and must contain explicit evidence for all claims made. The self-assessment report will be used to determine the individual contributions for this Unit of Study.

\* Please contact your Project Supervisor prior to the submission date if you would like to get feedback on certain aspects of your report.

## About this Template Document

This template has been provided to help those students who are unsure of what they need to provide in their short report or how to present it.

You do NOT need to use this template. You are free to create your own document and format as you wish, as long as the report contains the required information. If you prefer using your own document format, please discuss the format you wish to use with your Project Supervisor.

## Suggested Order

You may want to work on the sections in reverse order. That is:

(a) Start by thinking about each of the three consolidated Learning Outcome areas (Product, Procedure and Involvement) and list work that you have evidence for and consider what grade level you are achieving.

(b) Next review (collect) each of the unique evidence items you have and list them once in the “List of Contributions” section.

(c) Write the summary.

(d) Lastly, reflect.

DELETE THIS PAGE (TEXT BOX) AFTER YOU READ IT!

REPLACE or DELETE ALL TEXT IN RED – THE TEXT IN RED ONLY SERVES AS A GUIDE FOR YOU TO COMPLETE THE REPORT!

## Introduction

The purpose of this report is to clearly communicate my individual outcomes for the unit SWE40002 – Software Engineering Project B. This report has been structured to include self-assessment details to support the grade outcome I believe I have attained, a summary list of specific major supporting evidence including an analysis of my activities, a detailed presentation of the alignment between the evidence details with the learning outcomes, and a personal reflection on the overall learning and outcomes.

## Self Assessment

**Roles and responsibilities**

* Oversaw the Usability Design and testing
* Lead a sub group of 3 member to complete the code for tracing coordinates
* Worked on the technical documentation
* Carried out Manual testing
* Carried out Useability testing

**The grade I am trying to achieve**

HD

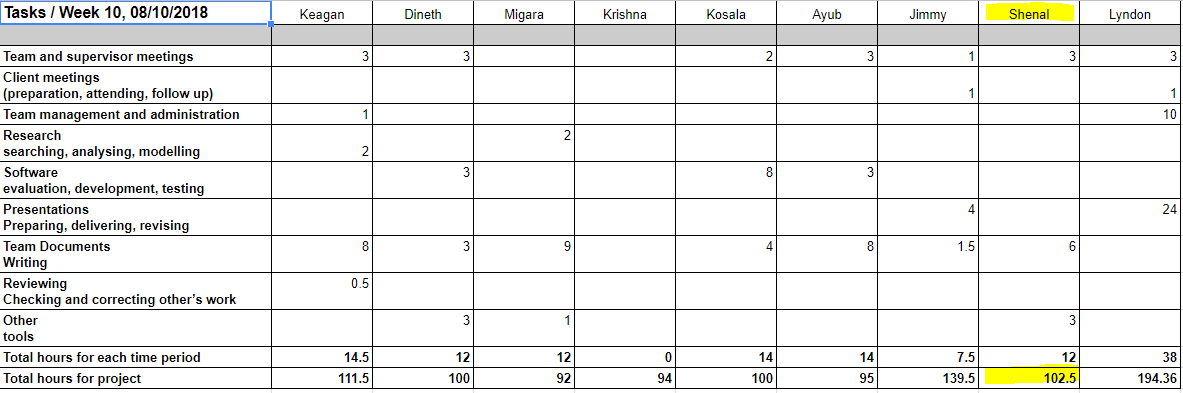
**Summary of what I achieved**

We were successfully able to implement the system as per the client’s requirements, to do this I had to learn open CV and how to use node JS. I was able to successfully complete the sections of the code that I was responsible for and I was able to do it in a way that it could be integrated with the rest of the code without any issues. I also was able to organize and carry out the Useability test with the help of another team member. I also designed and carried out the manual testing with the help of another team member. I helped the leader with organizing the tasks towards the end of the semester. I also did refactor and code reviews for some sections of the code. In addition to this I have taken part in another of other minor tasks too. One of the more time consuming tasks that I did was when I worked with a few other team members to get the tracing to work, we spent 30+ hours trying various ways of implementing the tracing . We did not do to much documentation this semester as most of it was done last semester.

## List of Contributions

|  |  |  |
| --- | --- | --- |
| Item | Link | Time Spent |
| Code for to find the pointer coordinates | <https://github.com/suraz24/SWE40001-Smart-Glass/blob/integration/src/GetTraceCoordinates.js> | 15 hours |
| UCD Documents- operator task description | <https://docs.google.com/document/d/1D1jjm7lJ9uLpyH7qtSXn8k_EPokVb5nwGGBPlQ9XSZ4/edit?usp=sharing> | 1 hour |
| UCD documents – Demographic questioner | https://drive.google.com/open?id=1nkB80hq9TvgeXs-ZmWJLkDi8ljy2xZret4V-k0NVFfA | 15 mins |
| UCD documents – satisfaction questioner | https://drive.google.com/open?id=1mWIPzCdpz\_T9MpoYAwf025j3ON6Y3D8plBwxDatEup0 | 15 mins |
| UCD documents – Instructor task description | https://drive.google.com/open?id=1M-dQDPT7KljWYVG8Z6iOYyfbdJsHQRDd78Bjgl5mC74 | 1 hour |
| UCD documents – Evaluation informed consent | https://drive.google.com/open?id=13cMt5oGuE12wpovjn4jquqR3kXcuD2aMGXrQImhuSwQ | 1 hour |
| UCD documents – Instruction sheet | https://drive.google.com/open?id=1dnu5DyP60e17grojjDtPInxtFAiB8R7JR2OikYIUIdQ | 30 mins |
| Technical documentation | https://docs.google.com/document/d/1qhkKODccdAG3F\_gxkO6Sl2kqe1AJTfrr1nfBx4Pm3uM/edit?usp=sharing | 3 hours |
| Manual testing | https://docs.google.com/document/d/1EZpWVLd-5qku6aQkAhuyuxFIMl0Xa3n4BqQkfA9gBS0/edit?usp=sharing | 4 hours |
| refactoring | https://github.com/suraz24/SWE40001-Smart-Glass/blob/integration-refactor/src/FrameTrace.js | 10 hours |
| Tracing | https://github.com/suraz24/SWE40001-Smart-Glass/blob/integration-refactor/src/FrameTrace.js | 25 hours |
|  |  |  |

Work Log



## Learning Outcome Assessment

When we were writing the code for the coding I was put in charge of a team consisting of me and 2 other members, after we finished the coding I was again in charge of this team to do the usability and manual testing ,through this I have satisfied the ULO 3 as I had to communicate effectively between the member to get the tasks organized. As mentioned here I worked on the code to get the pointer coordinate and helped with the code for the tracing during this process I has to use software engineering methods and had to use tools like OpenCV, git repository’s and nodejs framework.by doing so I believe I have satisfied the ULO 2.I too part in professional practices like meetings and stand ups as well as taking a professional approach to the usability testing, by properly documenting the process and documenting user consent, through this I have fulfilled ULO 1. Since I was not familiar with OpenCV or nodejs I had to do a considerable amount of research in order to be able to write the code, but doing so I have fulfilled ULO 4

* 1. **Product**

*[P] “Contributed adequately to the product. Overall, the team must have produced at least a semi-functional product that meets part of the client requirements.”*

*[C] “Contributed strongly and consistently to the product over the duration of the project. Overall, the team must have produced a solid functional product that meets significant client requirements, using good design standards and practices.”*

*[D] “Contributed significantly, consistently and of a high standard, to the product over the duration of the project.”*

<List your evidence here. Expand details of your best evidence pieces. >

<You may use the sample table format below. Expand details of your best evidence pieces.>

|  |  |  |  |
| --- | --- | --- | --- |
| **SAMPLE GUIDE ONLY**  Contribution | Description | Estimated % of the total product | Which client requirements does each address? |
| <Code> |  |  |  |
| <Other Assets> |  |  |  |

In order to demonstrate that you have contributed code to a final deliverable (or multiple deliverables), evidence must show contribution of a reasonable portion of code towards each of the listed deliverables.

To show a credit level outcome, you might want to consider the following type of table to capture the “strong and consistent” contribution.

|  |  |  |  |
| --- | --- | --- | --- |
| Contribution  **SAMPLE GUIDE ONLY** | Which software design does each address? | Estimated % completion against the design | Period of activity |
| <Code> |  |  |  |
| <Other Assets> |  |  |  |

For Distinction or High Distinction you’ll want to clearly show your contribution is “significant”, of a “high standard”, and that it occurred over the duration of the entire project.

|  |  |  |
| --- | --- | --- |
| Contribution beyond what is assigned  **SAMPLE GUIDE ONLY** | What phases of the SDLC where you involved in? | Describe the effect on /output of the software if the component is replaced with a stub? |
| <Code> |  |  |
| <Other Assets> |  |  |

* 1. **Process**

*[P] “Demonstrated ability to follow (mostly) the process documented by the team.”*

*[C] “Demonstrated ability to accurately follow the process documented by the team.”*

*[D] “Demonstrated contribution to the definition and ongoing improvement of good process used by the team.”*

<List your evidence here. Expand details of your best evidence pieces. >

You may use the sample table format below. Expand details of your best evidence pieces.

|  |  |  |  |
| --- | --- | --- | --- |
| Demonstration  **SAMPLE GUIDE ONLY** | Description | Estimated % of the total assignment | Which section of SQAP does each address? |
| <SVN> |  |  |  |
| <Tasks Assigned> |  |  |  |

Evidence must show completion of most of assigned tasks (say 80% or more), supported with evidence such as meeting minutes, task tracking and/or repository logs.

If you are trying to show Credit level outcomes (accurately following process), you might want to use this type of table.

|  |  |  |  |
| --- | --- | --- | --- |
| Demonstration  **SAMPLE GUIDE ONLY** | deadline as set in meeting | Date started | Date Completed |
| <Tasks Assigned> |  |  |  |

If you are trying to show you have helped to define and improve process (D or HD) grade)

|  |  |  |
| --- | --- | --- |
| Section(s) in SQAP documenting the process improvement against the SQAP version submitted in Week 4 of Semester 1  **SAMPLE GUIDE ONLY** | Date included (if documented) | Problems addressed by the improvement |
| <Section #> |  |  |

For distinction, you might look for at least two contributions that address problems affecting at least half the members of your team.

* 1. **Involvement**

*[P] “Acceptable level of attendance and engagement with respect to both internal (team) and external (client) related activities.”*

*[C] “An active level of engagement (internal and external), including organisation and leadership responsibilities.”*

*[D] “An active level of contribution across multiple areas or responsibilities of the project, including significant input to important decisions (documented).”*

*[HD] “Active leadership/ownership of key responsibilities resulting in high quality outcomes for the project. Key indicators of this would include personal contribution across multiple areas of the project, as well as providing support and leadership to members of the team.”*

<List your evidence here. Expand details of your best evidence pieces. >

|  |  |  |  |
| --- | --- | --- | --- |
| Activities | Description | Type  (Internal/External) | What is your role in the activity? |
| <Activity 1>  **SAMPLE GUIDE ONLY** |  |  |  |
|  |  |  |  |

For credit, consider in more detail the specific area of active engagement.

|  |  |  |  |
| --- | --- | --- | --- |
| Activities | Role (Chair/Lead/Contributor) | Type  (Internal/External) | What was your contribution? |
| <Activity 1>  **SAMPLE GUIDE ONLY** |  |  |  |
|  |  |  |  |

Total and summarise your involvement in the table below

|  |  |
| --- | --- |
| Total number of presentation feedback provided |  |
| Total number of activities |  |
| Total number of internal and external related activities |  |
| Percentage of contribution |  |

For Distinction, consider in multiple area evidence and “significant input to important decisions

|  |  |
| --- | --- |
| Areas of involvement  **SAMPLE GUIDE ONLY** | Activities (from above) associated with the area |
| <Area 1> |  |
|  |  |

## Reflection

### The most important things I leant:

*Think about topics covered, but also other general things you may have learnt during the two semesters of project work.   
Think about what you have specifically learnt in this unit, and reflect on what you think were key learning points, or incidents in your personal experience. (Did you learn what you wanted/expected to learn?)*

### The things that helped me most were:

*List and explain*

### I found the following topics particularly challenging:

*List and explain. If none, explain why!*

### I found the following topics particularly interesting:

*List and explain. Remove if none.*

### I feel I learnt these topics, concepts, and/or tools really well:

*List and explain. If none, explain why! Refer to your portfolio pieces for evidence to support your claims.*

### I still need to work on the following areas:

*List and explain. If none, explain why! Refer to your portfolio pieces.*

### My progress in this unit was …:

*Comment on what happened from your perspective!*

*If you have a chart or a similar visual measure (perhaps included earlier) then refer to it  
What does the graph say about how you approached the unit?*

### This unit will help me in the future:

*How will the things you learnt relate to the rest of your studies, and career?  
What have you learnt that will be valuable for you in the future?*

### If I did this unit again I would do the following things differently:

*List and explain, how will you approach learning in the future?   
What things worked well, but what could you change to make sure you did better next time?*

### Other…:

*Add any other reflections you think help you demonstrate your learning*

## Conclusion

In summary, I believe that I have clearly demonstrate that my outcomes are sufficient to be awarded a …. grade.

Note: if you are aiming for an HD, clearly articulate what the key outstanding contribution(s) towards the team is/are that you have achieved (you can refer back to Section 4 for this).

*Add more points if you wish, but do not add anything you have not already mentioned in an earlier section.*