**INDIVIDUAL DIARY**

**Name: YEOH HUI JIA**

**Date: 10th July 2015**

Exams have just finished and I met up with my group members to begin part of the implementation. Before we started anything, we discussed what was pretty much needed for the Infographics and Quiz sections and decided that we should probably start by setting a format for the file where we will be obtaining the details for the infographic from. Wee stated that he would be writing the code for reading in the details and such while Dyalan worked on arranging the user interface for the infographics. I was to continue working on the images for the infographics at this point.

**Date: 17th July 2015**

.We met up again and this time we spent most of the time working on the code and such. Dyalan found out that it wasn’t possible to stack multiple controls on one another as the initial plan we had for displaying the buttons for the components in the infographics was to stack multiple sets of buttons over and display them according to the number of components for that particular view. Nonetheless, he found a workaround for this issue and we showed the result to our group leader, Kapil who was back in Malaysia for the break. I finally finished working on the exterior images and it took longer than expected because it wasn’t easy to find an image of a car that had all the components listed, thus I had to resort to edit existing car images to suit the requirements of the car we were to use in our program.

**Date: 24th July 2015**

Whilst waiting the video and extra images for the interior from our group leader, Kapil, I took the initiative to start doing a little work on the quiz. I managed to create a progress bar which progresses every time the user selects an answer for questions in which he hasn’t answered yet. Already answered questions will not affect the bar anymore eventhough the user chooses to change the answer to the question. In addition, I have also written the code to read in the quiz questions and such and have tested it with a set of test data.

**Date: 30th July 2015**

We held our first group meeting after the break and presented our progress to Luke who commented a little about our progress and such. We confirmed the details of the deliverables for week 3 and decided that we should work a little more for the Infographics and the Quiz segment pretty much until the following week or so as the quiz segment had a little more to add to it and so did the Infographics.

**Date: 6th August 2015**

The progress presentation is due the following week and we confirmed with Luke regarding the details of what should we present and all. In addition, we showed the progress of the project, including the keyboard functionality and improved parts that we did over the week. Kapil also showed part of the simulation component that he has done as well, and sought Luke’s advice over a small error that he has encountered in his code.

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**Date: 13th August 2015**

Progress presentation is due and I had also completed the remaining images that was required for the Infographics. We demonstrated the Infographics and the Quiz part of it and the assessors commented on some parts like focusing a little on the safety features that people ought to know when they have a car and such since this program is also aimed at existing drivers. Besides, they also recommended utilizing a more organized format for our input files like XML.

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**Date: 20th August 2015**

We met up again and discussed a little bit on the comments for the progress presentation. Our group leader suggested that we shouldn’t focus too much on the other two segments as the simulation part was our priority. I’ve been trying out the integration of SFML into our project and found that the main program will not respond while the SFML window is on due to an infinite loop. This issue was only faced if I attempt to place the SFML window in an existing control on the form. However, if it existed as a separate window, it wasn’t much of a problem. Kapil and Wee then recommended to place the entire Simulation UI into the SFML instead.