**SOFTWARE ENGINEERING PROJECT**

**INDIVIDUAL REPORT**

**HUSSEIN AHMED TEJAN**

**STUDENT NO: 130108432**

**GROUP: 3C**

**GROUP MEMBERS:**

**Jaseera Parvin Mohamed Abubacker**

**Nathan Winslow**

**Sanjay Manikandhan**

**Rebecca Jane-Bell**

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Week1

Ice-Breaker Meetup

* Corresponded with my group members to appoint a suitable time that would be possible for us to get together and plan before hand.
* I met with my group members before my lecture and discussed with them how we planned to tackle the project.
* Decided on who would take project leader.

Week2

Plan

* In our second meeting, we set up SVN to prepare in advance for the major platform of the project; furthermore we discussed producing UML diagrams such as Entity Relationship Diagrams, Use Case Diagrams with the intent of understanding the design and requirements of the system we intended to build.
* We observed how SVN works through testing it with files and folders.
* We gave ourselves a deadline to ensure that the UML diagrams were done by week 3.

Week3

* Completed my entity relationship in addition to my class diagram and joined it with the other modules
* Single-handedly completed the sequence diagram by myself

Week4

* Started sketching my module in terms of how the GUI should look
* Commenced on the database filling in the tables with the primary and foreign keys

Week5

* I discussed GUI plans whether I intended to use GUI Builder or code up my module
* I did research into GUI layout managers, frames, buttons, panels via multiple methods

Week6

* I sought advice from some TAs with how to implement certain ideas I had thought of producing, but was unsure as where to start.
* I re-discussed with my group as how to make the most benefit of the GUI features within the IDE: Netbeans.

Week7

Week8

Week9

Week10

* I started to structure my back end code more to ensure that everything was in place to enable my GUI to work effectively with objects of the back end code.
* I commenced in fusing the back end classes with my GUI classes, instantiating objects and calling methods from the back end code into the GUI.

Week11

* I made some hand screens to help me figure out how to make a realistic Scheduled Maintenance Booking system that would match the specification criteria from top to bottom.
* I finalised how I would set up all my classes and frames, as I had to change certain designs of which I had initially planned to implement.
* I started thinking slightly more architectural and implemented into my code the changes I designed in my screens.
* I altered certain features of my GUI classes to make the texture more appealing and attractive to the eye.

Week12

* I aligned my code to ensure that it was presented in a very neat and tidy depicter, ensuring that methods, variables were inline in addition to modifiers throughout all my classes.
* I did testing on all my classes to check that everything worked fine together without any problems, as well as tested it with my counter modules of which myself and my group members would integrate everything all together.

An explanation of the module you designed and built, including a description of its design and coding.

* Details of exactly what you contributed to the system integration task.
* You must include some key UML diagrams that help explain your contribution (for example a class diagram that highlights the parts that you were

responsible for).

Description of how the project went from your individual point of view

(including what was good and bad for you, what you learnt, what you feel you should have learnt but did not, what you personally would do differently in a group project situation next time round).

Description of how you felt the team worked together (including any particular problems that were encountered and how they might be avoided in a future project involving this group).

Group Grading Table

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| --- |
| Jaseera Parvin Mohamed Abubacker  **M**  **Justification:**  **Met up regularly in group meetings and was vocal in participating in group discussions.** |
| Nathan Winslow  **M**  **Justification:**  **Was likely the best candidate to take charge of such a stressful project in our group, however it would have been much easier on me if we were able to meet up more frequently than scheduled to sort out tables relating to my module in the Database.** |
| Sanjay Manikandhan  **M**  **Justification:**  **Was very willing to meet up with myself regularly even outside of our group meetings.** |
| Rebecca Jane-Bell  **F**  **Justification:**  **Missed quite a lot of meetings and ultimately made things more stressful and burdening for myself by not making enough effort to get together to discuss how we should or could integrate features in connection with both of our modules how other groups naturally were, thus it would have made life much easier for me had she met up with me regularly to allow both of us to assist each other in finishing our related modules.** |

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