Father Michael McGivney
Catholic Academy
November, 2015 – January, 2016
Computer Science (ICS4U1)

Appendix
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Weekly Coding Log

Group Members:
Chun Kit (Calvin) Li
Miao Wang
Jasmine Xiao

Date: 23th November, 2015 - 28th November, 2015
Week Start
What was accomplished last week?   The project started this week; therefore no work was accomplished last week.
What is planned to be done this week?   This week we are brainstorming ideas, doing the problem analysis, proposal and definition (goal, objectives and 3 ideas).
Week Finish
What was accomplished this week?   We picked what game (escape game) we wanted to do for this project. This week the problem analysis, proposal and definition for our project was completed and handed in.
What difficulties arose?   It was not easy to think three different ideas in the same time and pick up a final idea.
Are we on schedule? Yes
If not on schedule, this is what we are going to do to get back on: N/A

Date: 29th November, 2015 – 5th December, 2015
Week Start
What was accomplished last week?   Last week we picked what game (escape game) we wanted to do for this project, and the problem analysis, proposal and definition for our project was completed and handed in.
What is planned to be done this week?   This week we are doing the design phase (UML, HIPO diagram and screen layout). In the same time, we are going to think about 18 questions for each classroom, and draw teacher's pictures and general pictures (sphinx, door, items), and take background pictures for the school.
Week Finish
What was accomplished this week?   The design phase for this project was completed and handed in.   We came out half of the questions which we need.   We took the background pictures for the school.
What difficulties arose?   It was not easy to think total 108 questions for 6 different subjects in one week.
Are we on schedule? No
If not on schedule, this is what we are going to do to get back on: We are going to finish the drawing of teacher's pictures and think the questions during the winter break.

Date: 6th December, 2015 - 12th December, 2015
Week Start
What was accomplished last week?
Last week we completed the design phase for this project and handed in.
In the same week, we came out half of the questions which we need and took the background pictures for the school.
What is planned to be done this week?
This week we are going to start doing the program part. We are planning to finish all the classes before 18th December 2015.
Week Finish
What was accomplished this week?
We finished some of the program – Main class, HomePage class, question class, music class and classroom class.
What difficulties arose?
It was not easy to program in GUI.
Are we on schedule? Yes
If not on schedule, this is what we are going to do to get back on: N/A

Date: 13th December, 2015 - 19th December, 2015
Week Start
What was accomplished last week?
Last week we finished some of the program – Main class, HomePage class, question class, music class and classroom class.
What is planned to be done this week?
This week Miao and Jasmine are going to continue programming the GUI version; Calvin is going to program a console c version and hand in on 18th December 2015.
Week Finish
What was accomplished this week?
The Student class, StudentHistory class, hallway class and riddle class were completed.
The console c version demo has completed and handed in.
What difficulties arose?
It was not easy to do ArrayList, search and sorting, because we just learnt them one week ago.
Are we on schedule? Yes
If not on schedule, this is what we are going to do to get back on: N/A

Date: 20th December, 2015 - 26th December, 2015
Week Start
What was accomplished last week? Last week we completed the Student class, StudentHistory class, hallway class and riddle class. In the same week, we completed the console c version demo and handed in.
What is planned to be done this week? In this week, we are going to do the Items class in GUI, and finish the final of console c version this week. In the same time, we are going to do the required elements.
Week Finish
What was accomplished this week? The Items class in GUI was completed. The required elements was completed and handed in. The final of console c version was completed and handed in on 27th December, 2015.
What difficulties arose? It was not easy to do the required elements because we needed to find all the examples from all the java files.
Are we on schedule? Yes
If not on schedule, this is what we are going to do to get back on: N/A

Date: 27th December, 2015 – 2nd January, 2016
Week Start
What was accomplished last week? Last week we finished the Items class in GUI. In the same week, we finished and handed in the required elements and the final of console c version.
What is planned to be done this week? In this week, we are planning to complete all the classes in GUI and put them together. In the same time, we are going to finish the final design phase and questions for the 6 difference subjects, and draw all the teacher's pictures.
Week Finish
What was accomplished this week? The final design phase was completed and handed in. All the questions and teacher's pictures were completed.
What difficulties arose? It was not easy to draw picture looks like the teacher.

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Are we on schedule? No
If not on schedule, this is what we are going to do to get back on: We have to complete all the classes in GUI, put them together and hand in before 6th January, 2016.

Date: 3rd January, 2016 - 6th January, 2016
Week Start
What was accomplished last week? Last week, we completed and handed in the final design phase. In the same week, we completed all the questions and teacher's pictures.
What is planned to be done this week? This is the last week for our program; therefore we are going to finish the coding log, program in GUI and update all the materials.
Week Finish
What was accomplished this week? All the program and materials (e.g. UML, HIPO, documentations) were completed and handed in.
What difficulties arose? It was not easy to put all the program together.
Are we on schedule? Yes
If not on schedule, this is what we are going to do to get back on: N/A

Challenges Faced in Programming

1. Formating the JPanels was a challenge as there were many variables involved in each method, making it very hard to select the one that suits our purpose. We solved this issue by testing out every method that came up in our research process and finding the best way to position our JPanels.

2. Collaboration also posed a challenge as each of us have distinct programming style that made it difficult to understand. We took the time to explain our programs to each other and we reached mutual understanding which allowed us to put together our final product.

3. Transforming the ready program to fit the JFrame format also had some issues because it is easy to get lost in changing the display from console to JPanel. By spending a lot of time playing around with the codes, we were able to figure out how everything should fall in place.

4. The order for history class was another aspect which we need to mess around with before getting it to work properly. The sorting, searching, displaying and recording of the student objects all need a lot of processing to arrive at the desired functions.

5. The music class was pretty difficult as it is a whole new area for us to get in touch with.