**Project README and Log - Orbital – Tay Guo Qiang & Won Jun Ru Daphne (Documentation for Milestone #1)**

**Project Title: Schedule Comparator**

**README**

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| **Overview**: Our project is to come up with a program that helps groups of people by allowing each person in the group to compare schedules and find out when they are all available for a meet-up. We have either the manual entry or the timetable-comparison option.    Slide for project idea  **Intended features:**   * Temporary sessions created using SQL database with PHP, where groups of users can come together to collate the dates everyone is free without requiring logins * Date-picker input for users to enter inputs * NUS Timetable upload?   **Features finished up to now:**  We have made the website but we have not studied the part on servers and databases yet. Currently we have the website interface ready (the html file is created). The website is not hosted on any server yet though.  The interface includes a date-picker that allows each person to select and input dates that they are available. However, since the program has not been done, the website does not do much besides allowing for inputs and lacks any form of processing whatsoever. Screenshots of our website are shown below.  Some screenshots of our current website:          **Planned Features:**   We intend to make use of NUSMods’ API for NUS students to compare their timetable schedules with each other simply by inputting their NUSMods timetable URL. (this is discarded)  We have yet to write the program that does the comparison so that shall be one of the tasks we need to do. In addition, we may want to see what other features we can add into our Schedule Comparator, for instance user accounts for this Schedule Comparator. (program written, accounts to be replaced by database system)  **Aims after this point:**  Right now we are not familiar with Git. We would be studying Git so that we can utilise version control effectively. Currently, we are using Google Drive to store previous versions of the website we created and we would start utilising Git once we are familiar with it. (please see below for what we did with Google Drive)  Also, we are in the midst of learning JavaScript for web development instead of using Python and have not used any app-development tool yet.  Then, we would work out input validation and exception handling for user inputs, mainly to guard against SQL injections. (done)  The final part would be to piece everything together with Meteor.js and host the website.    Using Google Drive to store previous versions  **References Used:** *For self-learning:*   * W3Schools (<http://www.w3schools.com/>) – things for web development can be learnt here * Codecademy ([http://www.codecademy.com/)](https://developers.google.com/appengine/docs/python/%29) * Code School (<https://www.codeschool.com/>) – however to complete the full course, payment subscription is needed * Free Code Camp (<http://www.freecodecamp.com/>) * Meteor.js tutorial (<http://meteortips.com/first-meteor-tutorial/projects/>)   *Features that we used in our Schedule Comparator so far that we managed to find:*   * Multi Date-Picker (<http://multidatespickr.sourceforge.net/>) for the date-picker feature we used * Bootstrap (http://getbootstrap.com/) for the Bootstrap we used * jQuery (<https://jquery.com/>) for the jQuery used |

**Project Log**

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| We have met about 1/4 of the requirements for Orbital. We will continue our development of the Schedule Comparator from this point. Guo Qiang currently has Freshman Social Camp commitments which resulted in a lack of face-to-face discussions of the project so the current intention would be to self-study and experiment with things we have learnt by adding stuff into the website as and when desired. His commitments would end by mid-June and he will then be able to focus fully on the development of the project after that.  Accumulated hours for Guo Qiang (from spreadsheet below): 48  Accumulated hours for Daphne (from spreadsheet): 46  Total hours together (from spreadsheet): 94   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **S/N** | **What** | **Date** | **Guo Qiang (Duration in hours)** | **Remarks** | | 1 | Liftoff Day 1 | 5/11/2015 | 8 |  | | 2 | Liftoff Day 2 | 5/12/2015 | 8 |  | | 3 | Self-learning (HTML/CSS/Bootstrap/jQuery) + Website creation | 5/14/2015 to 5/22/2015 | 30 | Self-learning and creation was done together. Each time I learnt something new, I would try to apply it into the previous HTML file version I have. | | 4 | Attending MC #2 | 5/27/2015 | 2 |  | | 5 | Self-learning (Ruby) | 5/30/2015 to 5/31/2015 | 5 |  | | 6 | Self-learning (SQL) | 5/31/2015 to 6/5/2015 | 7 |  | | 7 | Self-learning (Git) | 5/31/2015 onwards | 3 |  | | 8 |  |  |  |  | | 9 |  |  |  |  | | 10 |  |  |  |  | |  | **Accumulated Hours** |  | **63** |  | |

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| **S/N** | **What** | **Date** | **Daphne (Duration)** | **Remarks** |
| 1 | Liftoff Day 1 | 5/11/2015 | 8 |  |
| 2 | Liftoff Day 2 | 5/12/2015 | 8 |  |
| 3 | Self-learning from Codecademy (HTML/CSS/Javascript/Python) | 5/14/2015 | 30 | Date of self-learning started from specified date |
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|  | **Accumulated Hours** |  | **46** |  |
|  | **Total Hours Together** |  | **94** |  |