**Project Timeline, Work Breakdown and Use Cases**

Project Group Name: Virtual Builder’s

Project Name: **C**enter of **A**ctivity for **S**tudents (**CAS**)

Project Members: Joshua Oxley, Geraldine Marcano, Kenaird Saunders

Project Objective:

To provide a satisfying webpage and mobile application which allows students to rent a pool table as well as browse and view the different activities/events in SAC and allowing students to interact on a forum, view the different clubs and food shop menus in UWI.

Work Breakdown Structure – Deliverables

1. Webpage
   1. Having a hosting site
   2. Relevant database to store webpages online
   3. Webpages to satisfy to demands needed
2. Login and authentication screen
   1. Database (MySQL), to store user’s information
   2. Authentication security/process
3. Forum page
   1. Database (document type), for the streams of conversations
   2. Web page dedicated to the forum’s purpose
4. Pool Hall table renting
   1. Structured database to allow real time updates
   2. Web interface for the action of renting tables
   3. Calculation and digital receipt function
5. Displaying various information within SAC and the surrounding area, UWI St. Augustine Campus
   1. Creating different webpages with its individual, relevant information

Timeline Development – Schedule

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| --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Task** | **Description** | **Start date** | **End Date** | **Person Responsible** | **Status %** |
| 21/02/2020 | Research programs like the project idea. | Do research on programs that currently exist that are similar in nature to the project idea. | 09/02/2020 | 10/02/2020 | Joshua, Kenaird, Geraldine | Completed |
| 21/02/2020 | Research hardware tools necessary to achieve project idea. | Do research on current hardware tools that would be needed in order to fulfill project needs. | 10/02/20220 | 12/02/20220 | Joshua, Kenaird, Geraldine | Completed |
| 21/02/2020 | Define all features that will be provided in the mobile application | Consider options to develop and chose the more feasible ones. | 11/02/2020 | 18/02/2020 | Joshua, Kenaird, Geraldine | Completed |
| 21/02/2020 | Practice Android mobile application features | Create and load an application on your phone and search for tool that will be used to complete the features on the project goal | 18/02/2020 | 22/02/2020 | Geraldine | Completed |
| 21/02/2020 | Select appropriate type of database to load type of data | Multiple databases will be used such as the mentioned in the project scope (relational database MySQL, key/value with hashcode for authentication security and a multi-access read and write. | 22/02/2020 | 8/03/2020 | Geraldine | 80% (Until test are completed and full functionality is proven can’t considered “completed”) |
| **Date** | **Task** | **Description** | **Start date** | **End Date** | **Person Responsible** | **Status %** |
| 21/02/2020 | Create a database with the scheduling reservation feature | Use MySQL to create a database with all the possible data fields needed to test availability of pool service | 8/03/2020 | 12/03/2020 | Geraldine | 0% |
| 21/02/2020 | Creating homepage sketch for mobile app and web page | Draw the best appealing and visual features for the homepage on paper (Decide a design) | 22/02/2020 | 8/03/2020 | Joshua, Kenaird and Geraldine | 0% |
| 21/02/2020 | Creating Reservation Schedule for Pool hall service sketch for mobile app and web page | Draw the best appealing and visual features for the Weekly Reservation Pool feature on paper (Decide a design) | 2/03/2020 | 10/03/2020 | Joshua, Kenaird and Geraldine | 0% |
| 21/02/2020 | Connect the database to multiple devices and test functionality in Mobile Application | After creating such database, connect two phones through mobile application and test reservation functionality | 12/03/2020 | 20/03/2020 | Geraldine | 0% |
| 21/02/2020 | Connect the database to multiple devices and test functionality in Web page | After creating such database, connect two computers through web page and test reservation functionality | 13/03/2020 | 20/03/2020 | Joshua and Kenaird | 0% |

Gantt Chart: