**Project Scope**

Project Group Name: Virtual Builders

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

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Project Scope Statement:

This project aims at providing a convenient means for, primarily, students of the University of the West Indies (**UWI)**, to inform students about the activities/events that would be currently held on campus. **C**enter of **A**ctivity for **S**tudents (**CAS**) would be a combination of a website along with a mobile app that would be linked to other UWI club websites and displaying important information within and around Student Activity Center’s (SAC) location. This project is mainly Entrepreneurial and focused to improve the entertainment management system offered in SAC. However, CAS project arise from the shared lack of awareness towards the students about the many activities/events that happen in SAC. It is meant to promote the varying events and valuable information that SAC has to offer to the students allowing for an increase in turnout rates for said held events. The core of the project would be a service-oriented architecture that relies on the hosting of the websites, databases and mobile application allowing for smooth integration of the core functions of the project deliverables. This would not replace any current information sources available to students. There are several constraints such as time, manpower, knowledge gap/ information learning and availability.

General project Information:

The project will take place over a span of twelve (12) weeks and is primarily targeting the students of UWI as well as persons who are unfamiliar with the activities of the campus i.e. parents/guardians and teachers. It consists of three (3) group members accompanied by a supervisor to guide the members. The group is expected to meet with the supervisor at least once a week to provide an update on the status of the project.

Problem/Opportunity Statement:

Currently, it is difficult for students to keep track of all events and activities on campus and with new students coming in every year, there seems to be no improving in the distribution of campus information regarding its activities and as such, this project aims to minimize the lack of information spread and promote convenience for students. This presents an opportunity to digitalize an aspect of the current pool hall rental system and advertise the menus of the various food places on campus.

Project Objectives:

* See what pool tables are available in the pool hall and rent/reserve said pool tables at a specific time
* See the various food menus on campus
* Alert students as to what activities/event that are upcoming in SAC
* Give awareness of the various clubs within UWI to students
* Alert students as to what activities/events are ongoing in SAC
* Provide a forum for students to communicate with one another so they can arrange their own meetups to participate in activities
* Allow events held within SAC to be promoted on the website

Project Description:

The cross platform services provided by CAS project is made of a combination of a website and a mobile application, which offers the feature to sign-in into the application/web page through a relational database and be able to access the different features such as a forum to interact with other users and view the detail information of the different locals at SAC that would allow students to conveniently have access to the food menus on campus so that they can view different menu options and prices without the hassle of walking around to each food place on campus to make a decision. It would also allow students to rent/reserve pool tables from SAC’s pool hall prior to their arrival using a multi-user access database of type key/value for great simplicity and massive scalability of both read and write operations, students upon arrival to the SAC’s pool hall will present their electronic one-time receipt or code showing proof of rental/reservation and would simply have to pay the amount they owe before usage. The webpage(s) would present the user with various links to the different club websites as well as their social media pages to propagate the club(s). There will be a forum page for students to discuss with one another as well as another page which would present the user with the activities that are upcoming/ongoing within SAC’s location.

Business Benefits:

By achieving most if not all the project goals, the business benefits include but are not limited to:

* Potential increase in revenue earned by workers of the SAC pool hall
* Potential increase in club members throughout the various clubs at UWI
* User satisfaction due to ease of convenience
* Increased awareness of various activities held in SAC

Project Deliverables:

The primary deliverables of this project are:

* A webpage
* A log-in feature for authentication user
* Forum page
* Display page of SAC activities/events
* Pool Hall table rentals page
* Page displaying information regarding different clubs
* Page with food menus located on campus

Estimated Project Duration:

For the time span in which this project will be worked on, an 80% completion rate is estimated within the twelve (12) week time constraint.

This includes completing key project goals such as:

* Creating a mobile app and website
* Hosting the website
* Linking the corresponding database to the website and mobile app
* Creating the forum for students to communicate