

**Camp Coordination and Camp Management**

Project Document Submitted

To the faculty of School of Computing and Information Technologies of

**ASIA PACIFIC COLLEGE**

In partial requirement for

**Quality**

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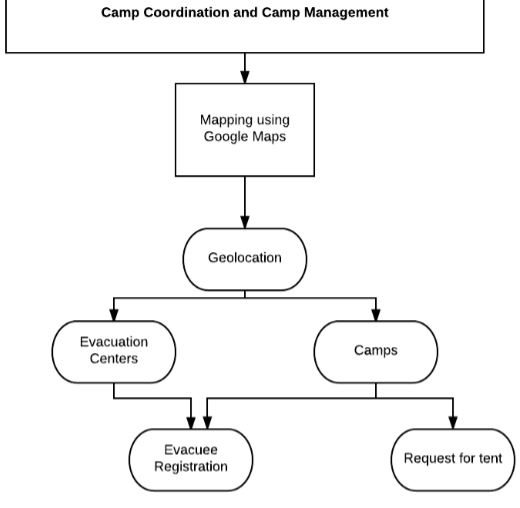
# Overview of the system

Camp Coordination and Camp Management system is web-based application inside the emergency dashboard that provides Data viewing using Google Maps with Geolocation, Tent Request forms, and Registration of Evacuees. These modules will help the camp and evacuation center managers to extract essential information coming from the system. In addition, this system will be targeting these MAIN users: Camp and Evacuation Center Managers.

# Purpose of the Quality Assurance Plan

The purpose of this Quality Assurance is to ensure the project team’s modules are implemented as specified in the documentation. Also, this is to show information about different methods and modules needed to test the web application and steps are discussed for system testing. Results will be determined if the system is ready for integration.

# Program Modules



# Quality Assurance Checklist

The following table contains every module present in the web-based application. Each module will have different functions and in every function, there is a primary user who will manage/perform those functions. The main users for these modules are: Camp and Evacuation Center Managers.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| A. Google Maps | | | | | |
| **Objective** | To provide essential information inside a camp. | | | | |
| **A1 Camps** | | | |  |  |
| **Functions** | **Description** | **User** | **Pass/Fail** | **Remarks** | **By who** |
| Display Google Maps | The embedded Google Maps must load once the user enters the main page | Camp Managers | Pass |  |  |
| Geolocation | The current position of the user will be automatically located | Camp Managers | Pass |  |  |
| Display markers for camps | Camp Markers are displayed after the Google Maps loaded | Camp Managers | Pass |  |  |
| Display details for every camp | Essential details like: Toilets, Beddings, Medical Supplies are displayed on the map | Camp Managers | Pass |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| A. Google Maps | | | | | |
| **Objective** | To provide essential information inside an evacuation center | | | | |
| **A2 Evacuation Centers** | | | |  |  |
| **Functions** | **Description** | **User** | **Pass/Fail** | **Remarks** | **By who** |
| Display Google Maps | The embedded Google Maps must load once the user enters the main page | Evacuation Center Managers | Pass |  |  |
| Geolocation | The current position of the user will be automatically located | Evacuation Center Managers | Pass |  |  |
| Display markers for evacuation center | Evacuation Center Markers are displayed after the Google Maps loaded | Evacuation Center Managers | Pass |  |  |
| Display details for every evacuation centers | Essential details like: Toilets, Beddings, Medical Supplies are displayed on the map | Evacuation Center Managers | Pass |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| B. Request for Tent | | | | | |
| **Objective** | To help camp managers make a fast requesting of tent during or after the disaster | | | | |
| **B1 Tent Request Form** | | | |  |  |
| **Functions** | **Description** | **User** | **Pass/Fail** | **Remarks** | **By who** |
| Create tent request | User can create tent request by filling up the request form | Camp Managers | Pass |  |  |
| Input validation | The request form has validation to check if the data entered is valid or not before submitting the request | Camp Managers | Pass |  |  |
| Submitted data will be transferred to logistics database | The submitted request form will be inherited by the logistics database | Camp Managers | N/A | Logistics System is not yet integrated with the Camp Coordination and Camp Management System |  |
| System notification if the request was received | The system notifies the user about the status of the request | Camp Managers | N/A | Logistics System is not yet integrated with the Camp Coordination and Camp Management System |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| C. Evacuee Registration | | | | | |
| **Objective** | To help camp and evacuation center managers by making a list of evacuees and a form to register evacuee | | | | |
| **C1 Evacuee Registration Form** | | | | | |
| **Functions** | **Description** | **User** | **Pass/Fail** | **Remarks** | **By who** |
| Display NAME field | Retrieves data inside NAME attribute | Camp/Evacuation Center Managers | Pass |  |  |
| Display AGE field | Retrieves data inside AGE attribute | Camp/Evacuation Center Managers | Pass |  |  |
| Display SEX field | Retrieves data inside SEX attribute | Camp/Evacuation Center Managers | Pass |  |  |
| Display DEPARTURE DATE field | Retrieves data inside DEPARTURE DATE attribute | Camp/Evacuation Center Managers | Pass |  |  |
| Display DEPARTURE TIME field | Retrieves data inside DEPARTURE TIME attribute | Camp/Evacuation Center Managers | Pass |  |  |
| Display REMARKS field | Retrieves data inside REMARKS attribute | Camp/Evacuation Center Managers | Pass |  |  |
| Update and Delete evacuee details | A user can Edit or Remove specific field on the data list | Camp/Evacuation Center Managers | Pass |  |  |
| Filtering of data | A user can sort any field in on the data list | Camp/Evacuation Center Managers | Fail | This will be addressed for future development. Lack of time is the factor |  |
| Search Function | A user can search specific data in the list | Camp/Evacuation Center Managers | Fail | This will be addressed for future development. Lack of time is the factor |  |

# Error Handling

The Error Handling table contains different possible errors that the system might encounter. Each table has its own error probability, possible cause, and its possible solutions. Those errors will be managed by the developer of the system.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ERROR HANDLING | | | | | | |
| A1. Tent Request | | | | | | |
| **CATEGORY** | **ERROR NAME** | **ERROR DESCRIPTION** | **ERROR PROBABILITY** | **ERROR IMPACT** | **POSSIBLE CAUSE** | **MITIGATION OR PREVENTIONS** |
| **Request for tent** | Missing input field | This error occurs when a user clicked send with an incomplete data | 20% | Medium | Wrong input/syntax | Double Check all input fields |
| Invalid input | This error occurs when the data type of the field doesn’t match the input | 45% | Medium | Wrong input/syntax | Create a place holder to give the user and idea what to put on the input box |
| Database connection error | This error occurs when the system failed to connect from the database | 5% | High | Wrong database connection syntax | Debug and fix the code regarding with database connectivity |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ERROR HANDLING | | | | | | |
| A2. Register Evacuees | | | | | | |
| **CATEGORY** | **ERROR NAME** | **ERROR DESCRIPTION** | **ERROR PROBABILITY** | **ERROR IMPACT** | **POSSIBLE CAUSE** | **MITIGATION OR PREVENTIONS** |
| Register Evacuees | Missing input field | This error occurs when a user clicked send with an incomplete data | 20% | Medium | Wrong input/syntax | Double Check all input fields |
| Invalid input | This error occurs when the entered data is different with the **required** data type. *For Example, you enter an integer on a string field that requires letters.* | 45% | Medium | Wrong input/syntax | Create a place holder to give the user and idea what to put on the input box |
| Fetching data error | This error occurs when the system failed to retrieve entered data from the database. | 5% | High | Wrong database retrieving syntax | Debug and fix the connection by analyzing the codes regarding with retrieving data from the database |
| Database connection error | This error occurs when the system failed to connect from the database | 5% | High | Wrong database connection syntax | Debug and fix the code regarding with database connectivity |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ERROR HANDLING | | | | | | |
| A3. Mapping | | | | | | |
| **CATEGORY** | **ERROR NAME** | **DESCRIPTION** | **ERROR PROBABILITY** | **ERROR IMPACT** | **POSSIBLE CAUSE** | **MITIGATION OR PREVENTIONS** |
| Mapping | Geolocation or location error | This error occurs when the system doesn’t find your exact location | 45% | High | Wrong Mapping Syntax | Turn on your GPS to help locating your exact location |
| Connection error | This error occurs when your device isn’t connected to the internet. | 50% | High | No internet connection | Always connect the device to a network that has internet. |

# Change Management

# Error Revision History

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ELEMENT** | **VERSION** | **AUTHOR** | **DATE** | **STATUS** | **CORRECTIVE MEASURE/S** |
| Geolocation | 1.0 | Amiel Kristian Cuasay | 2017-03-04 | Work in progress | Searched for Google Maps geolocation error fixing |
| Database connection error – Request for Tent | 1.0 | Amiel Kristian Cuasay | 2017-03-07 | Work in progress | Debug and read every line of codes |
| Geolocation | 1.1 | Amiel Kristian Cuasay | 2017-03-11 | Closed | Read every line of codes. Missing “ ; “ |
| Fetching Data error | 1.0 | Amiel Kristian Cuasay | 2017-03-15 | Closed | Read every line of codes. Missing query statement. |
| Database connection error – Request for Tent | 1.1 | Amiel Kristian Cuasay | 2017-03-17 | Work in progress | Searched for correct connection syntax. |
| Database connection error – Request for Tent | 1.2 | Amiel Kristian Cuasay | 2017-04-15 | Work in progress | Searched for sample form with database connection |
| Database connection error – Request for Tent | 1.3 | Amiel Kristian Cuasay | 2017-04-16 | Closed | Pattern specific codes from the sample form |