BUGANDA APPLICATION REQUIREMENT DOCUMENT
[DRAFT]

1.0 General Description
The buganda application will be a mobile application that will run on both android and iOS platforms with an intent to enhance awareness of the buganda kingdom to the globe, boost Buganda tourism and generate income in for Buganda Kingdom.

The primary stakeholders of this project are the Baganda community, who indeed are the major beneficiaries of the implementation. And the secondary stakeholders is the community beyond buganda kingdom boundaries.

2.0 Scope of the Product
The system will have client that users will be using to perform all system functions and administrator panel that will be used to manage all content on the entire system.
The client application will be mobile application running on only android and iOS platforms.
The Administrator panel will be running on modern web browsers.

3.0 Specific Requirements
This section of the document lists specific requirements for Buganda Application. Requirements are divided into the following sections:

3.1 User Requirements
These are requirements written from the point of view of end users, usually expressed in narrative form.

- The application users will have access to all information about buganda kingdom and this will include. Buganda history, clans activities, life style, geographical boundaries and villages,past and current leaders.
- Users will be able to view all news about the kingdom.
- The application will have a learning module where users will learn or better their Luganda language. This will include proverbs and their meanings, Literature in luganda, metaphors and their meaning. Etc.
- This will have a complete luganda dictionary, the application will have a Luganda – English translator.
- Users will be able to view all tourist attraction, events, services etc offered by the buganda kingdom. E.g. Ekisakaate, Kabaka's Run Banking, Commercial Building Spaces, Kabaka's Lake etc.
- User will as well be able to search and view tourists attraction, hotel, shops, restaurants, car rentals.
- Users will be able to view the current weather forecast.
- The application will enable it's user have live stream for Buganda Radio and Television. User will as well be able to replay past aired shows/programs.
- The system should enable user view their current location on a map.
- The system should enable user find directions to places, destination.
- Users will be able to leave comments, A comment can include image, video (mp4, mpg) and text.
- The app will have all buganda kingdom contacts to it's users. E.g Email, Telephone,, WhatsApp, Facebook, Instagram, Website. Users will as well be able to contact the kingdom through the application.

- The app will enable users make online payments for all Events, Trips to the kingdom. Trip payments, Event payment. All Cash transactions will be made using Mobile Money and Visa.
- User will as well be able to donate to the kingdom via the application.

3.2 Reporting Requirements
- The system will inform the user in case they have no internet connection.
- User will be notified when an update for the application is available.
- Users will be notified about future events.

3.3 Security Requirements
These are requirements from the security angle of view.
- The system will ensure that all user information is secure and only authorized users will have access to system information.

3.4 User Interface Requirements
These are requirements about the user interface, which may be expressed as a list, as a narrative, or as images of screen mock-ups.
- The system shall have a graphical user interface (GUI) constructed from standard elements such radio button, text boxes, buttons, tables, menu bar, Title bar etc.

4.0 User Characteristics
The app shall be used by users of all ages who are technology literates and should be knowing some basic English.

5.0 General Constraints
These are things that hinder the system usage.
The application will only be accessed using smartphones with an internet connection.

6.0 Assumptions and Dependencies

User Competency:
The user must have a basic knowledge of how to use a smartphone, browse the Internet.
Software:
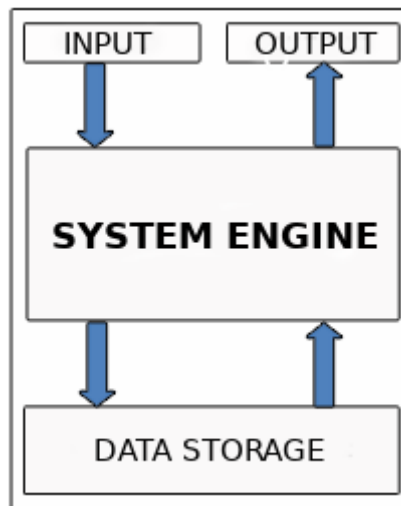For effective use of this application, one should have latest android or iOS smartphone.
Internet:
The end user must have Internet access to be able to use the application. High-speed Internet access is preferred but not required.

7.0Customer Support
The application shall have a help option through an integrated user manual created for the users to follow whenever required.

8.0 High-Level Technology Architecture

Input

Application shall accommodate inputs from the users regarding the system functions such as confirm payment, pausing, search for tourist places etc. This shall be possible through use of hardware components including keyboard and computer mouse, mobile phones inputs.

Output

The system shall process and provide output information to user requests such as retrieval of buganda kingdom history as well as addressing the reporting requirements of the system and anything that needs to be
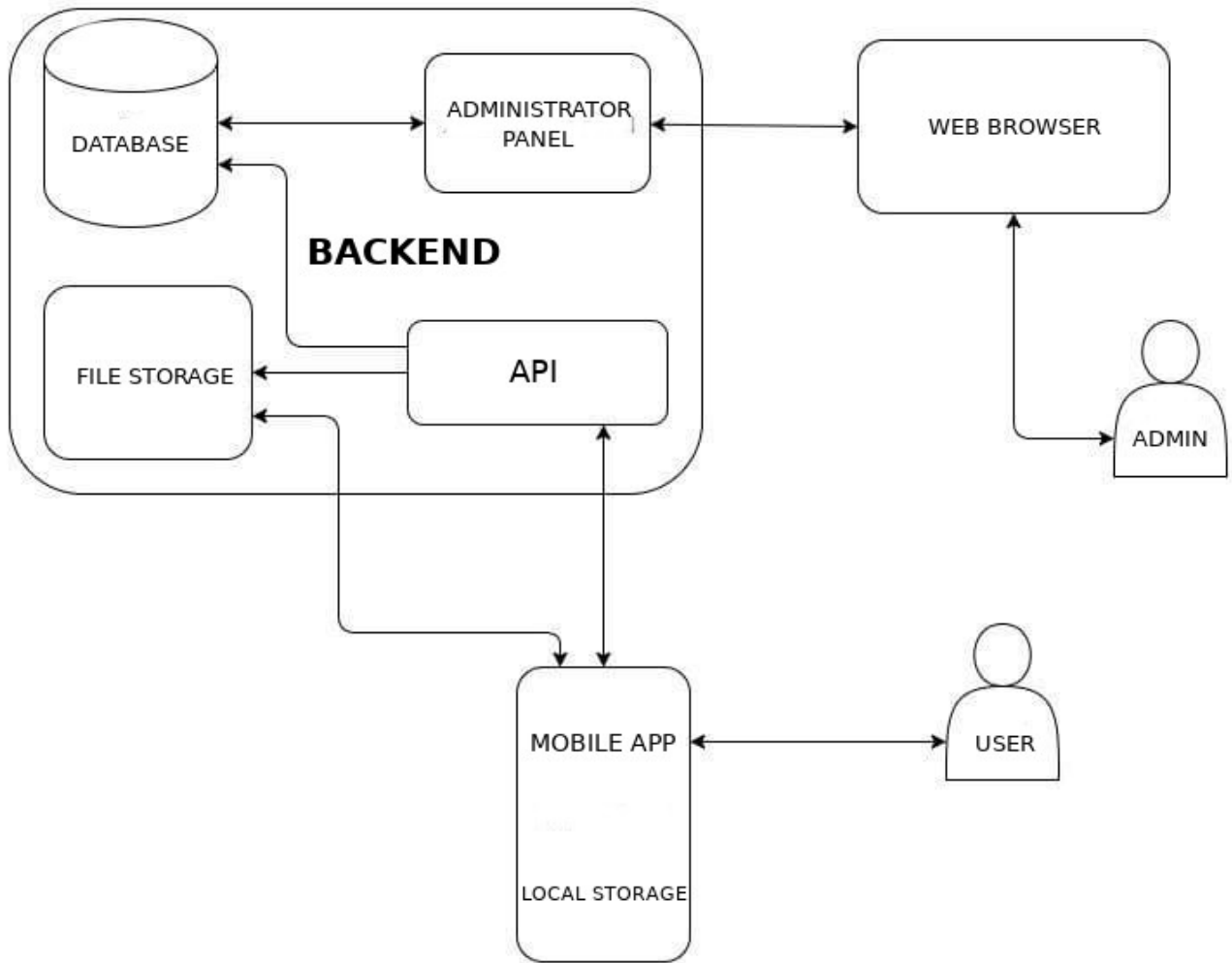output.

System Engine

The system engine shall implement the application requirements. It shall process user inputs and provide appropriate outputs.

Date Storage

The data storage shall store system permanent and temporally data.

System Architecture Diagram

THE END