

uTriga



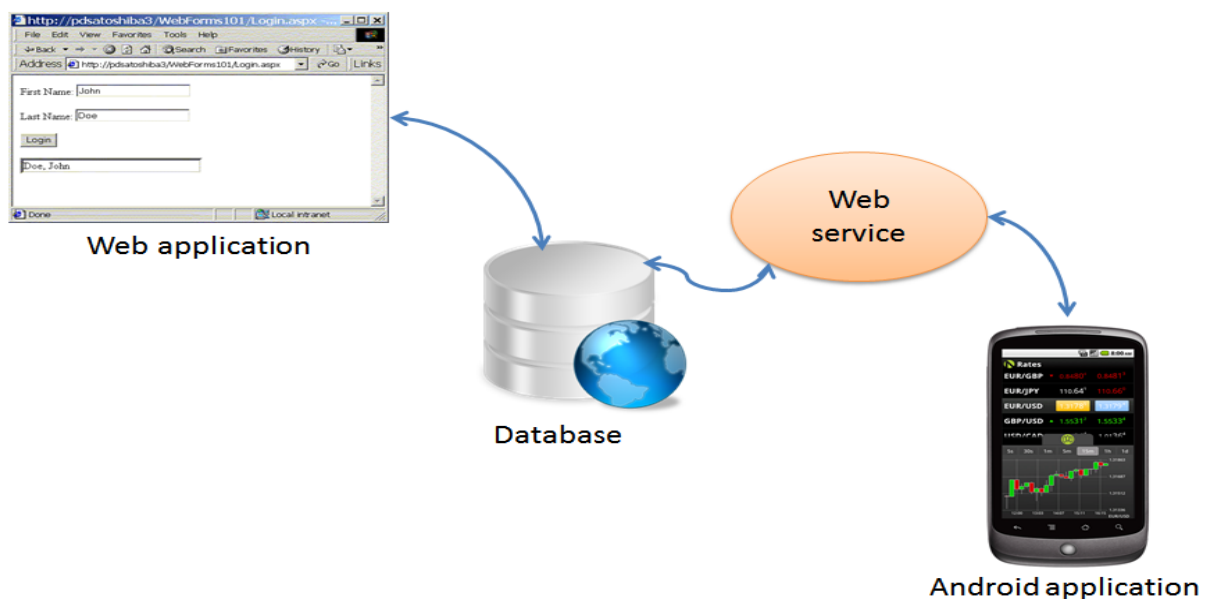
Design Document

Brief description of uTriga

uTriga is a multi platform mobile application for news and event information broadcasting via instant messaging (IM). uTriga provides a way for advertisers to advertise their produce as well as broadcast reminders for upcoming events. A user can subscribe to receive notifications from any number of advertiser. Users would be able to advertise their trade goods for free on the platform.

System Overview and Architecture:

uTriga is going to be made of 3 main components namely: an android application, a web application and a central database



Android Application:

The android application would have an interface where new users can sign up. To sign up, users must provide their phone numbers, email addresses and usernames; these are mandatory requirements. Users would have to sign up only once and this will be the first time they run the application. Subsequent use of the application will require no authentication. Upon signup, users are taken to a default post-sign-up view which displays the categories of events and news they can accept prompts from. The two main categories are the News and Events categories. The architecture of the categories will be hierarchical. Each category may or may not have sub categories. Selecting a parent categories automatically selects all child categories. child categories can however be disabled. Depending on the categories chosen, users will



receive notifications in the form of instant messages on issues relating to the chosen categories. For instance users that subscribe to news under the 'movie' category will receive notifications on movie premieres, where and when movies are being shown, and information on movie celebrities.

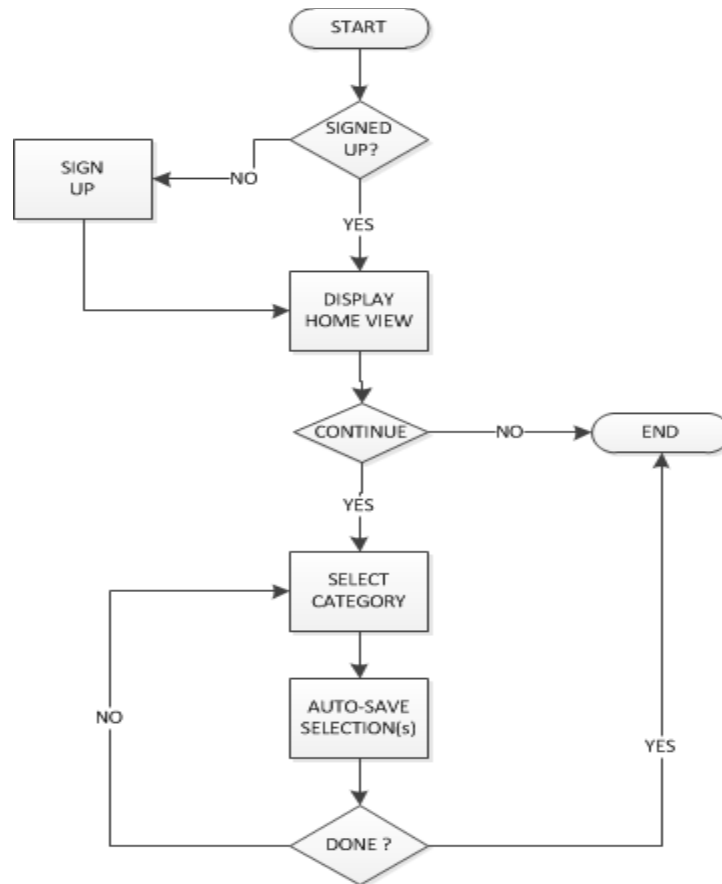


Figure 2: General Application Flow

Sign up for uTriga

SIGN UP

Username

Email

Mobile number

Sign Up

Sign up

Events

- Sports
- Movies
- Music
- Comedy

Event categories

Music Events

- Ghana Meets Naija
- Night of a 1014 laughs
- Night with the stars

List of Music Events

Figure 3: Android Interfaces

Central Database

The database will involve the following:

Table 1: Data Dictionary

indicates primary key

ENTITY	ATTRIBUTES
User	Username, Email, #Mobile_Number
Event	Name, Category, Event_Date, Event_Image, Reminder_Date, Venue, Price, Event_Organiser, #EventID
Event Category	Category Name, #CategoryID
Event Advertiser	Advertiser_Name, Email, Phone_No, #AdvertiserID

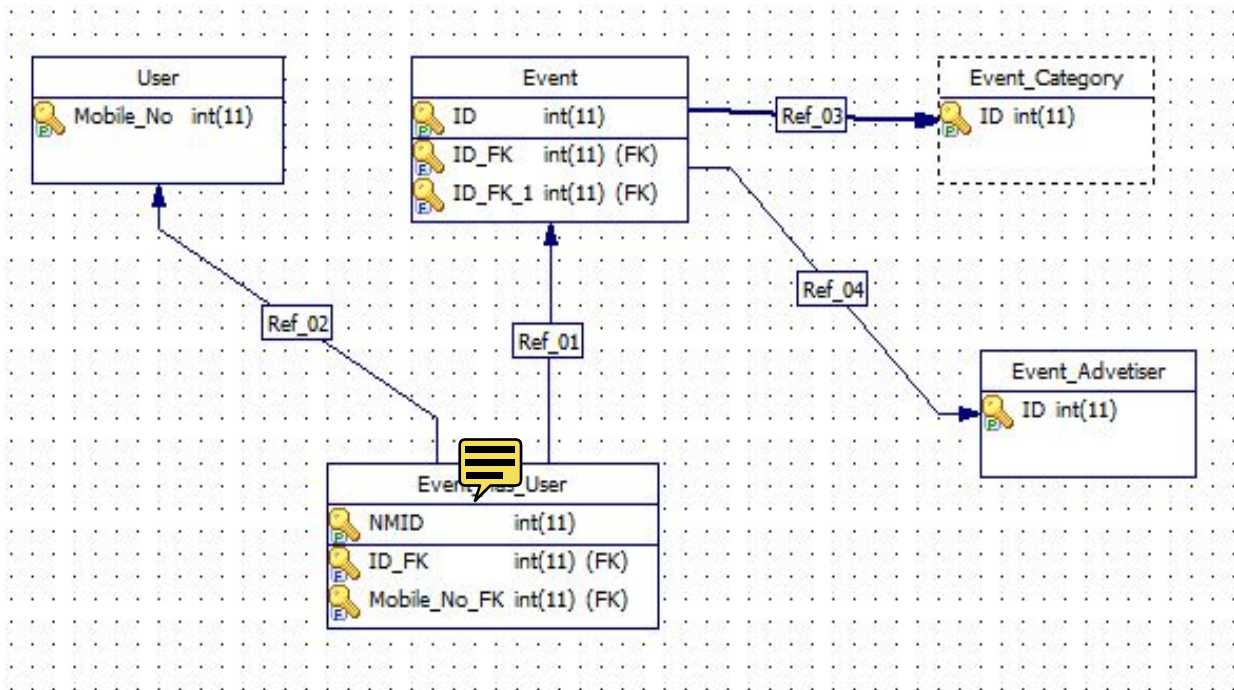


Figure 4: ER Diagram