

# **EVENTO-GNDEC Events Guide**

## **Mid-Term Report**

Submitted for the partial fulfilment of the Degree

of

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(Computer Science Engineering)



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## **Abstract**

Evento Application helps you access various events held in our college on your phone. This app brings about the information of events held by various societies of our college where event administrator can create events and students can join events, eliminating the need of manual registration on desk.

The events are an incredible part of students' co-curricular and extra co-curricular activities. Handling day-to-day events can be easier through this App where administrator can easily post event and students are notified about scheduling of various events through email service. Also students can suggest events to administrators which provide help in all way, reducing overall burden on Event Handlers of various societies.

In this way, Evento Application serves as communication link between participants and event creators, which helps in encouraging more participation. This eliminates the need to keep a separate list of participants which is hard to maintain due to the rapid movement of students

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## [Chapter 1]

### Introduction

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Evento Application helps you access events' notification on your phone. This app brings about the information of different events held by various societies of our college where admin can create events and students can join events, eliminating the need of manual registration on desk.

The events are an incredible part of students' co-curricular and extra co-curricular activities. Handling day-to-day events can be easier with this electronic notice and announcement system where admin can easily post event and notification alerts are sent out notifying students about scheduling of various events through email service. Also students can suggest events to admin which provide help in all way, reducing overall burden on Event Handlers of various societies.

In this way, Evento Application serves as communication link between participants and event creators, which helps in encouraging more participation. This eliminates the need to keep a separate list of participants which is hard to maintain due to the rapid movement of students.

These are the features that an Evento Application should have:

- An electronic dashboard board for disseminating information out to students about creation and scheduling of events.
- Events can be joined, with notice obtained instantly.
- Students can be notified of new events via email service.

## Evento

- Event administrator may push important event notices in to selected student's email.
- Event administrator may create/modify/delete any event category with prior notification.

The interface of this application is straightforward and takes you roughly a minute to get started. Adding events to board is easy, just click on the create event button and enter the text. Users can view the posted event on the spot by having an email and notification alert in android phone. Here registration is must for all the users having this application in order they want to have notification and staying tuned.

This application can also acts as a suggestion service and lets you suggest events to administrator. Thus, innovation is the main objective of this application. This will help in time utilization for students and administrators as well. Students can join events on the spot if they wish to participate in that event and registration procedure can be efficient through this. Also administrator is notified when user joins particular event and can view the list of joined users.

This application also facilitates the administrators to post images of various events, so that makes event notice board more interactive though event image that can be the center of attraction. Also students can keep the track of events organized by various societies that have been already held in the college campus.

## 1.1 Objective

The online Evento Application is user-friendly android application. The main objective of the application is its simplicity of design and ease of implementation that shows and helps to collect most of the information about events going on in college premises and allowing users to join events eliminating the need of manually registration.

The main objectives of the proposed system can be enumerated as follows:

- Faster dissemination of notices regarding education, technical events, cultural events and fun events.
- Easy way to broadcast your message.
- Helps you to be updated which events going to be held in our College.



- Good way to maintain list of participating students.
- Eliminating the need of class announcements.
- Close interaction between users and administrators.
- Suggesting events to various societies' administrators.

## **1.2 Technologies Used**

### **1.2.1 Java**

Java is a computer programming language that is concurrent, class-based, object-oriented, and specifically designed to have as few implementation dependencies as possible. It is intended to let application developers "write once, run anywhere" (WORA), meaning that code that runs on one platform does not need to be recompiled to run on another. Java applications are typically compiled to bytecode that can run on any Java virtual machine (JVM) regardless of computer architecture. Java is, as of 2014, one of the most popular programming languages in use, particularly for client-server web applications, with a reported 9 million developers. Java was originally developed by James Gosling at Sun Microsystems (which has since merged into Oracle Corporation) and released in 1995 as a core component of Sun Microsystems' Java platform. The language derives much of its syntax from C and C++, but it has fewer low-level facilities than either of them.

The original and reference implementation Java compilers, virtual machines, and class libraries were originally released by Sun under proprietary licenses. As of May 2007, in compliance with the specifications of the Java Community Process, Sun relicensed most of its Java technologies under the GNU General Public License. Others have also developed alternative implementations of these Sun technologies, such as the GNU Compiler for Java (bytecode compiler), GNU Classpath (standard libraries), and IcedTea-Web (browser plug-in for applets).

### **1.2.2 Android Developer Tools and Android Studio:**

Google provides two integrated development environments (IDEs) to develop new applications. The Android Developer Tools (ADT) are based on the Eclipse IDE. ADT is a set of components (plug-ins), which extend the Eclipse IDE with Android development capabilities. Google also supports an IDE called Android Studio for creating Android applications. This IDE is based on the IntelliJ IDE.

Both IDEs contain all required functionality to create, compile, debug and deploy Android applications. They also allow the developer to create and start virtual Android devices for testing. Both tools provide specialized editors for Android specific files. Most of Android's configuration files are based on XML. In this case these editors allow you to switch between the XML representation of the file and a structured user interface for entering the data. **Dalvik Virtual Machine** The Android system uses a special virtual machine, i.e., the Dalvik Virtual Machine (Dalvik) to run Java based applications. Dalvik uses a custom bytecode format which is different from Java bytecode. Therefore you cannot run Java class files on Android directly; they need to be converted into the Dalvik bytecode format.

## **1.3 Feasibility Study**

Feasibility analysis involved a thorough assessment of the operational and technical aspects of the proposal. Feasibility study tested the system proposal and identified whether the user needs may be satisfied using the current software and hardware technologies, whether the system will be cost effective from a business point of view and whether it can be developed with the most up to date technologies.

### **1.3.1 Operational Feasibility**

Every Java user can utilize this easy to implement set of classes and functions, and incorporate in their existing development practices to provide security.

### **1.3.2 Technical Feasibility**

The project will be developed using up to date technologies required for the Java environment.

### **1.3.3 Economic Feasibility**

Evento

The project requires feeble cost for development and doesn't involve any future expenses on additional resources except for maintenance requiring additional developers.

## 1.4 Methodology of Work

Evento App helps you access various events held in our college on your phone. This app brings about the information of events held by various societies of our college where event administrator can create events and students can join events, eliminating the need of manual registration on desk. This app is common for all societies.

To make this project first we used **Android Studio** and used Java files, XML files and SQLite Database to make the required forms. In this project, we also use restrictions with help of coding. Under this project we use several controls like textbox, Buttons, Radio buttons, Text field etc. In this way we create different web pages like sign up, sign in, about page, contact page, admin login page, gallery, search page, buy page, Delivery page etc. with the help of coding. All these pages are linked with each other through coding. In this project we create database in which we save the sign up entries, event details, admin information and images related to events etc. Database is connected with our project.

Every customer has to register their account to see event or to join event. Sign Up button is provided with Home page, when a user has been Signed-In then they can see all the content from event dashboard page and also can go to event details' page and can join event. Until the user is not Logged In, they can see only the Home Page and can't access anything else. Admin can create, modify or delete events and handle notifications to each user. Also he can manage users who have joined the events of any society.

## 1.5 Development Requirements

### 1.5.1 Software requirements:

- 1 Programming Language: Java
- 2 Web Languages: XML

Evento

- 3 Database: SQLite
- 4 IDE: Android Studio
- 5 Operating System: Android

### **1.5.2 Hardware requirements:**

1. Processor: 54MHz
2. RAM: Minimum 512MB
3. Free Space: Minimum 32 MB

## [Chapter 2]

### User Requirement Analysis

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A Software Requirement Analysis for a software system is a complete description of the behavior of a system to be developed keeping users' needs in mind. It includes a set of use cases that describe all the interactions the users will have with the software. In addition to use cases, the SRS also contains functional and non-functional requirements. Non-functional requirements are those which impose constraints on the design of implementation.

#### Purpose

Evento Application is used for managing events and the main purpose of this project is to:

1. Utilize time through faster dissemination of notices regarding education, technical events, cultural events and fun events.
2. Help you to be updated which events going to be held in our College.
3. Maintain list of participating students.
4. Eliminate the need of class announcements.
5. Bring about close interaction between users and administrators.
6. Suggest events to various societies' administrators.
7. Make event handling efficient and interactive.
8. Create/delete/modify events by administrators.
9. Provide facility to users who can join particular event associated with society prior to event notification.

10. Reduce the dependencies and increasing the transparency.

### **General Description**

Evento Application is basically designed to create events and notifying the users about scheduling of events electronically. Also users can join events and administrators are notified about users joining particular event. Also this application is common to all societies. So to make these tasks easy with all functions performed quickly, this electronic way to manage event notifications will be quite helpful.

Administrator will be the super user of the application who will configure system information such as creating new events, and their information dissemination via email service, or editing or deleting the old events, managing users who joined event.

This Evento Application will be a mobile application, open source and user friendly. This application is designed on the basis of android application architecture. In this application, SQLite database will be used to store data related to events, users, users joining events, event images etc. This application is meant for both administrators and users. It is developed using Android, XML.

## **2.1 Users of the System**

1. Administrator: Administrator can add, update or delete events' details and can manage users who joined events and manage images related to events. He can notify registered users about new events or any updates in existing events through email service. He can also delete old events no longer in use, and keeps track of old events.
2. Client: Clients are the end users that benefits from this android application. A client can get all information of all the existed events and the future events as well and thus they can apply for the same. They can also view their profile as well as can check the track of their events that they have joined through email inbox. They can also suggest events to administrators.

## **2.2 Functional Requirements**

Specific Requirements: This phase covers the whole requirements for the system. After understanding the system we need the input data to the system then we watch the output and determine whether the output from the system is according to our requirements or not. So this phase explains what we have to input and then what we'll get as output. It also describes the software and non-function requirements of the system.

## **2.3 Input Requirements of the System**

1. Client Details
2. Admin Login Credentials
3. Event Details
4. Joined User Details

## **2.4 Output Requirements of the System**

1. Interface for administrator to configure the system.
2. Interface for clients.
3. An electronic dashboard board for disseminating information out to clients.
4. Notification about events to clients via email service.
5. Notification to administrators about joining of users.
6. Users' profile.
7. Automatic email generation notifying clients about events' upgrades and their registration into application.

## **2.5 Specific User Requirements**

1. Automatic Email Generation to all clients who register into application and administrator can send emails to all as well as to concerned person about events.

## **2.6 Software Requirements**

1. Web Languages: XML
2. Database: SQLite
3. IDE: Android Studio
4. Operating System: Windows 7
5. Programming Language: Android

## **2.7 Non-Functional Requirements**

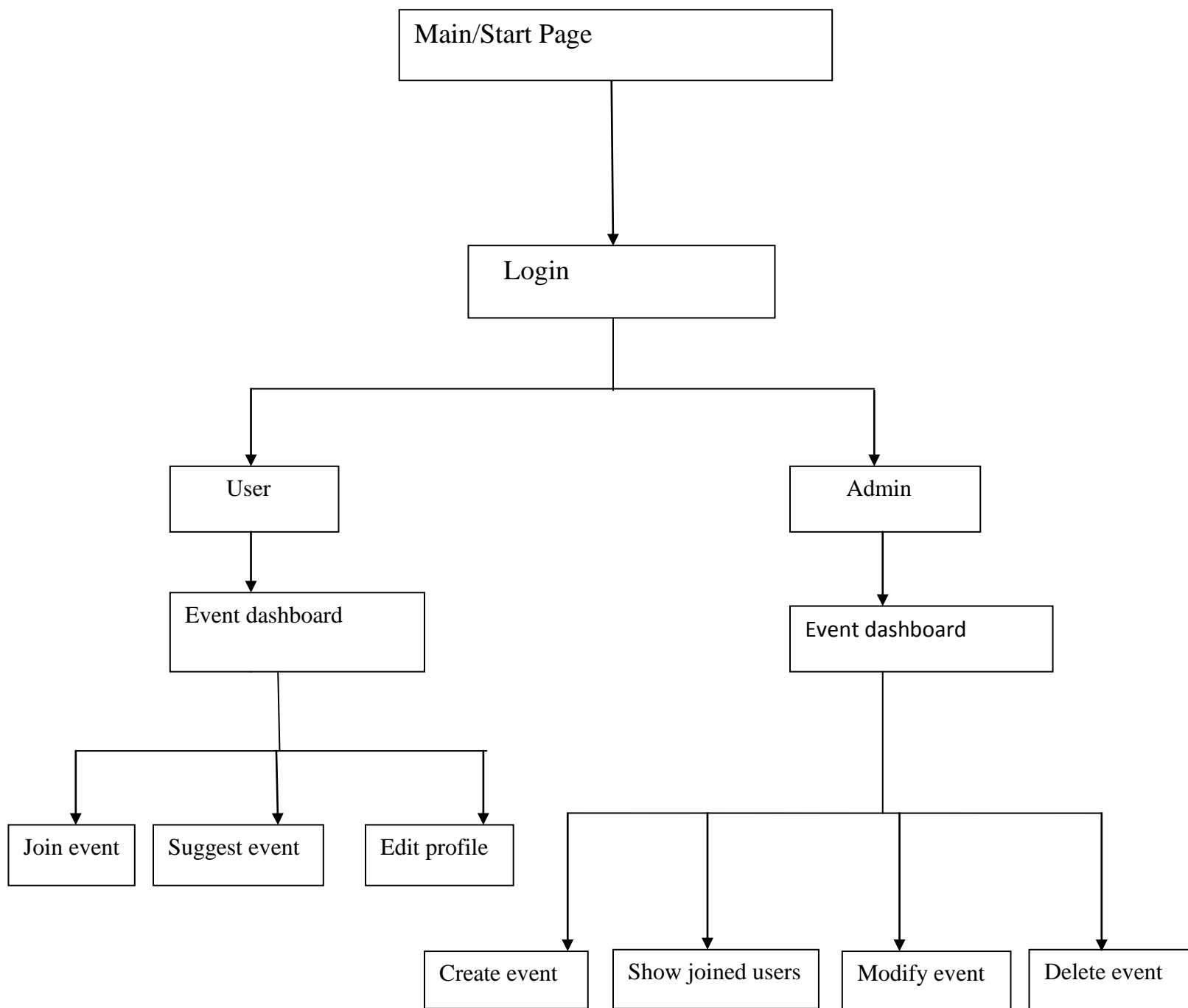
1. Scalability: System should be able to handle a number of users. For example, handling around thousand users at the same time.
2. Usability: Simple User Interface that a layman can understand.
3. Speed: Speed of the system should be responsive i.e. Response to a particular action should be available in short period of time. For example, Automatic email service, Notification to all clients about events.



## Chapter 3

### Flow Chart

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## Chapter 4

### Work Carried Out

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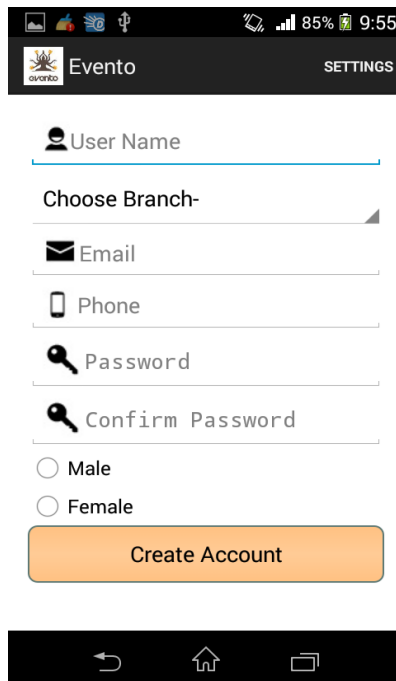
#### 4.1 Home Page



Figure1: Home Page

This is the home page where user and admin can sign up and sign

## 4.2 Sign Up Page

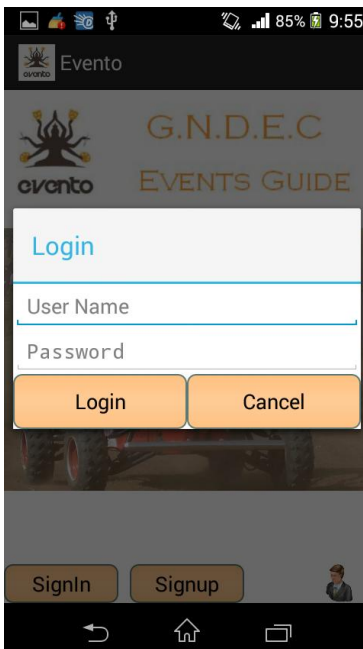


The screenshot shows the Sign Up page of the Evento app. At the top, there is a status bar with icons for signal, battery, and time (9:55). Below the status bar is a header with the Evento logo and a 'SETTINGS' link. The main form contains the following fields: 'User Name' with a person icon, 'Choose Branch-' with a dropdown arrow, 'Email' with an envelope icon, 'Phone' with a phone icon, 'Password' with a key icon, and 'Confirm Password' with a key icon. Below these fields are two radio buttons for 'Male' and 'Female'. At the bottom of the form is an orange 'Create Account' button. The bottom of the screen features a navigation bar with back, home, and drawer icons.

Figure 2: Sign Up Page

This is the page where user registers himself to the application.

## 4.3 Login Dialog Box



The screenshot shows the Login Dialog Box of the Evento app. The dialog box is a white rectangle with a blue 'Login' title. It contains two input fields: 'User Name' and 'Password'. Below the input fields are two orange buttons: 'Login' and 'Cancel'. The background of the app is visible behind the dialog box, showing the Evento logo, the text 'G.N.D.E.C EVENTS GUIDE', and a tractor image. At the bottom of the screen, there are 'SignIn' and 'Signup' buttons and a navigation bar with back, home, and drawer icons.

Figure 3: Login Page

## 4.3 Event Dashboard Page

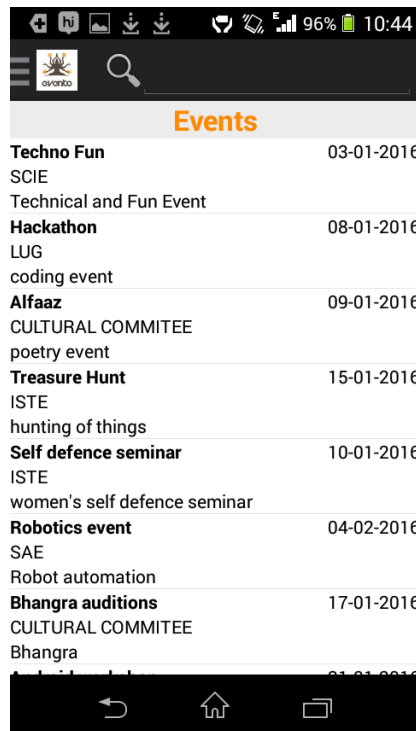


Figure 4: Event Dashboard Page

In this page, all the events are displayed. This is the main panel that is required by the normal user of application. The user will tap on a particular event in order to view details of events.

## 4.5 Create Event Page

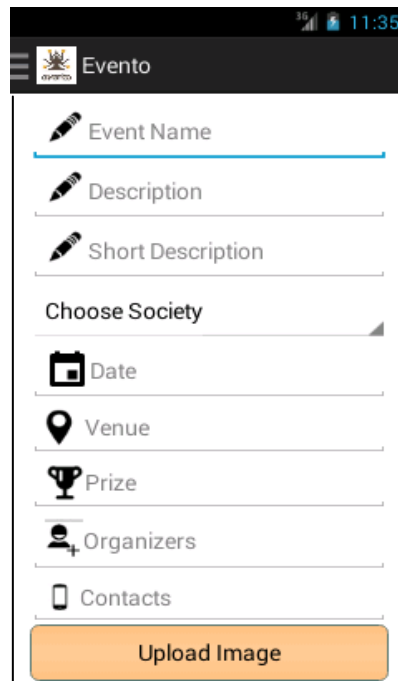


Figure 5: Create Event Page

This is an Admin Panel Page where admin is allowed to create the events. Admin has an option of attaching image to events from gallery and post with the event.

## 4.6 Event Description Page For Admin

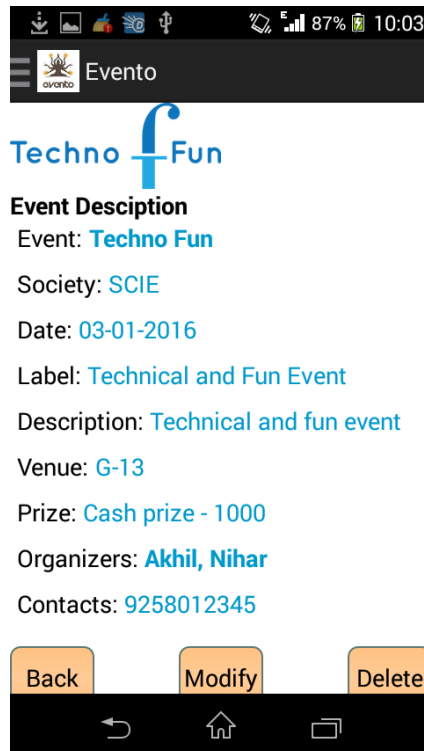


Figure 6: Event Description Page

This is an Admin Panel Page where this Page gives the details regarding events along with the its image.

## 4.7 Event Description Page For User

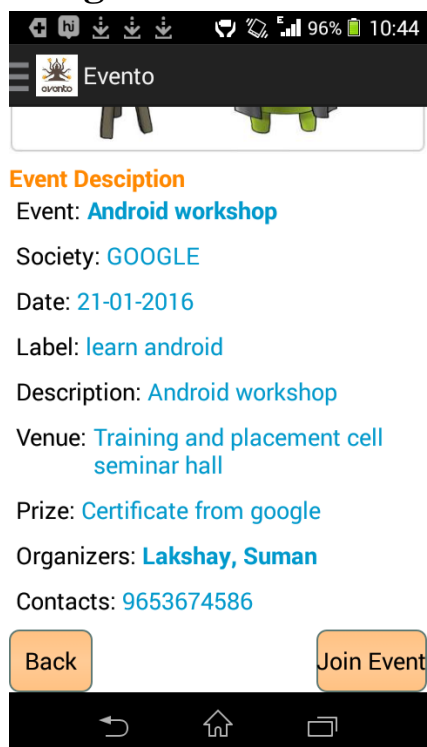
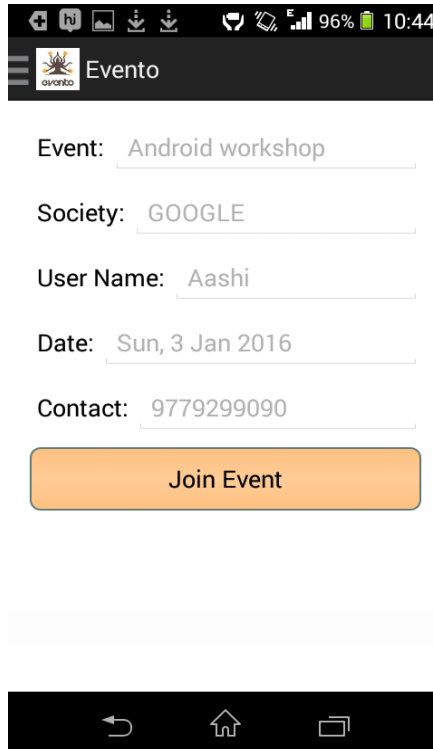


Figure 7: Event Description Page

This is User Event Description Page where this page gives the details regarding events along with the itsimage and user can join the events.

## 4.8 Join Event Page



Evento

Event:

Society:

User Name:

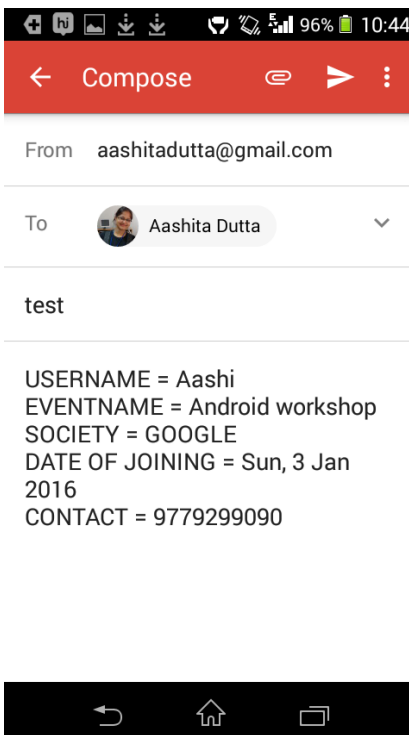
Date:

Contact:

Figure 8: Join Event Page


This Page is User Join Event Page where user can join an Event

## 4.9 Send Email Notification



Compose

From: aashitadutta@gmail.com

To:  Aashita Dutta

test

USERNAME = Aashi  
 EVENTNAME = Android workshop  
 SOCIETY = GOOGLE  
 DATE OF JOINING = Sun, 3 Jan 2016  
 CONTACT = 9779299090

Figure 9: Send Email Page

This is a Send Email Page for sending Email Notification to Registered Students to notify about Event.

## 4.10 Show Users Page

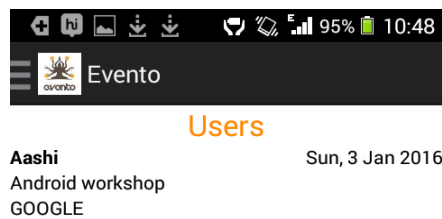


Figure 10: Show Users Page

This is an Admin Panel Page where this Page shows the list of users who have joined the event

## 4.11 Navigation Bar

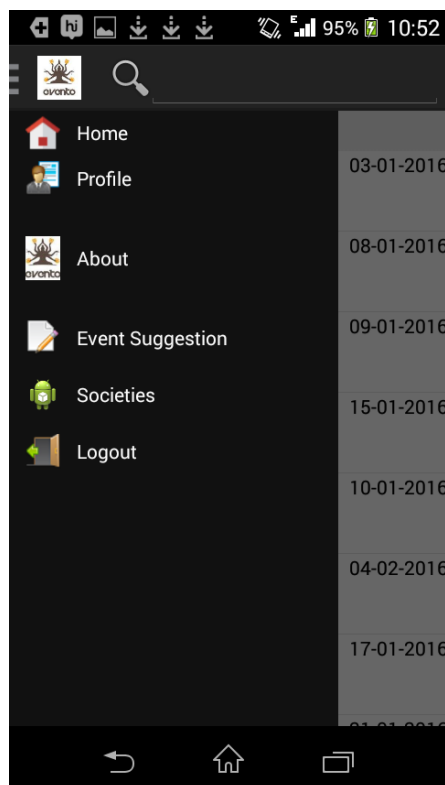


Figure 11: Navigation Bar for Users

This Picture Describes the Navigation Bar for Users to navigate among different pages

## 4.12 User Profile Page

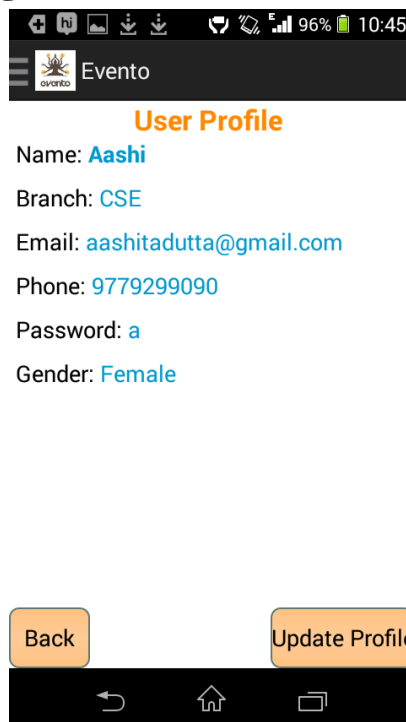


Figure 12: User Profile Page

This Page describes the user's profile details and can edit its profile by navigating to Update Profile page

## 4.13 Reset Password Page

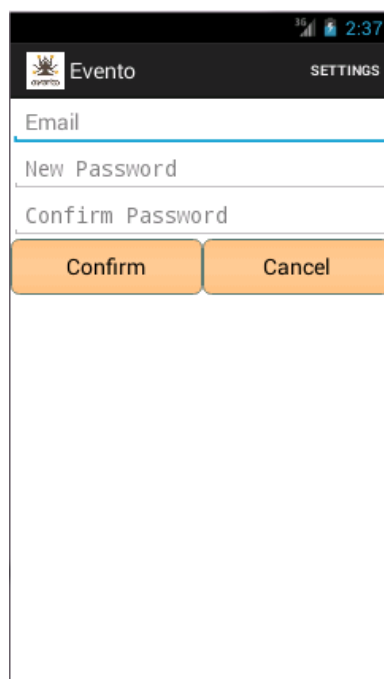


Figure 13: Reset Password Page

This page is presented to the user when user forgets his password and wants to reset the password.



# Chapter 5

## Future Aspects

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The future scope of the project is that it can be used as any news giving application or it can be used to advertise your any new launch, telling the customers about new event schemes for example marriage or parties. This application of Event Management can be further extended to include the following features:

### 1. Categorization of Events:

Events can be categorized in different categories like technical, techno-fun, fun, or cultural etc. so that its possible for user to easily manage the events. Categorization can also be done by making groups. Defining the event to be circulated in a particular society can make it more secure.

### 2. Documents and PDF files:

The attachments can be further improved to include PDF files or Doc files. Then there will not be much need to send images with the events. A single file would serve all the purposes.

### 3. Feedback:

Feedback on the notices can also be taken. It can increase communication among connected members and any issue can be easily sorted out on the spot.

### 4. Interactivity:

Further we are looking for implementing chat facility in this app so as to bring close interactivity between admin and students and they can discuss any type of event and can exchange files or share image, videos too.

## References

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