Smart Event Management System Using Cloud Storage with Google Map

Sunita Nandgave[1], Umesh Jagtap[2], Harshal Kothawade[3], Nagesh Randhave[4], Sumeet Arwikar[5]

Assistant Professor, Dept. of Computer Engg., GHRCEM, Pune University, Wagholi, India.[1]

B.E Students Dept of Computer Engg., G.H.R.C.E.M, Wagholi, Pune, India[2,3,4,5]

ABSTRACT: Now-a-days, the current and potential future customer base has become more technologically literate, accepting to the internet and development in mobile technology. People are demanding online services in large scale. Proposed application will features the online event management. The event management application will have online access and used by customers, vendors. Each user base will take a different perspective towards the application, based on the needs of their roles within the event planning system. Clients will use the application to plan as well as manage their events. Vendors can use the application to market their services. Clients will use the application to plan as well as manage their events. Our app can be the middleware between customers and vendors for management of events. Thus the event management system will resolve a large accessibility and can fill gap of communication problem and expand the customer base by encourage more interactivity on behalf of customers.

I. INTRODUCTION

Smart Event Management System is an android based as well as web project which act as a middleware between potential users and multiple service vendors. As people spend lots of money on Functions/Events Parties venue and other services/facilities then they can be able to find venue themselves in each and every affair in such a way that at the end of the day they feel that they have not seen the wedding of their only son/daughter or they have not been able to enjoy the functions. That is why, a Event Planner-Co-coordinator is required to make people comfortable on the day of the event.

So that we have tried to make a web app so that all the planning for the food, venues, invitation cards, booking can be done on time. This project is developed to make the users comfortable to enjoy each and every function along with their family, friends and relatives. This project organizes the:

- Venues and Caterers.
- Photography: Still & Video.
- Sets, Themes, Concepts & Decorations, Flowers
- Rental Services Like: Security, Hostesses, Travel & Transport, Royal Procession, Fireworks.
- Menu planning Services.
- Music (DJ,Orchestra) & Entertainment.
- Wedding and Hospitality Management.

II. LITERATURE REVIEW

[A]. "Your Dream" Virtual Wedding Planning System[1].
The virtual wedding planner will act as a co-worker to the wedding planners. The user will give the wedding date to the system and the type of the planner whether he is a working day planner, week end planner or full time planner at the very beginning. Then the user will give the user details to the system. The system will produce an automatic alert to user before 2-3 days before marriage. The system has the facility to handle vender details, guest details and guest roles as well. Then the user will give the user details to the system. The system will produce an automatic alert to user before 2-3 days before marriage .This system is intelligent to search over the internet with the key words and provide the vendor details to the user. The user have to be familiar with one of the languages in Sri Lanka, even though the system is prepared to provide excellent service to the user.

[B]. An Interactive Web-Based Wedding Planner with Comparative Analysis Decision Support System[2].
Preparing for weddings is always hectic, especially when it does not involve hired help. There are long checklists await soon-to-be brides and grooms before their auspicious wedding ceremony. Without experienced assistance, these brides and grooms face annoying situations in searching for suitable bridal products and services. The work presents a best one stop solution, called the Wedding Arch, for the brides and grooms to receive data on available bridal products and services in the shortest possible time. This web based wedding planner provides a platform for brides and grooms to acquire information on bridal products and services, as well as data of vendors registered with Wedding Arch and They make wedding planning reservations online with the one click of a mouse. Thus, the long and hectic task of datacollecting has been reduced and becomesmore easy. Most significantly, Wedding Arch also works as a web based comparative analysis decision support system which allows the brides and grooms to order to a service that will guides them in the process of wedding planning and preparations. The system guides brides and grooms in making decisions based on their choices and budget while taking in updated and current market pricings for their desired bridal products and services.

[C]. Online Wedding Planning System[3].
Online Wedding Planning System is a web based product which act as a bridge between wedding planners and potential customers and vendors. As we know that people spend lots of money on Weddings, Parties and, but they involve themselves in each and every matter in such a way that at the end of that important day they feel that they haven't seen the wedding of their only Son/Daughter or they have not been able to enjoy the functions. That is why, a Wedding Planner Co-operator is very much important to make people comfortable on the day of the Wedding /Event.

[D]. Plan based Complex Event Detection across Distributed Sources[4].
Existing CED solutions generally postulate centralized availability and processing of all similar events, and thus cured significant overhead in distributed settings .Complex Event Detection (CED) is growing as an important ability for many monitoring apps such as intrusion detection system, sensor based tracking& phenomena tracking, and network monitoring.. In this paper, we elaborate and represent communication efficient techniques that can correctly perform CED on distributed event sources. Our techniques are *plan-based*. The system produces multiple step event acquisition and processing plans that leverage temporal relationships among all events and event occurrence statistics to lower down event transmission costs, while meeting app-specific latency expectations. We can make multiple types of experimentation by using various inputs and real-time data .We represent an optimal but exponential-time dynamic programming algorithm and two polynomial-time heuristic algorithms, as well as their extensions for detection multiple complex events with common sub-expressions.
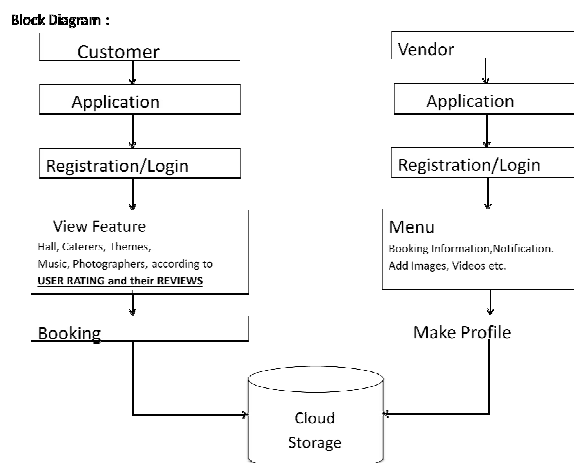
III. PROPOSED SYSTEM

Figure 1:Block diagram of Event Management System

This system includes three models:
1.Customer
2.Vendor
3.Cloud storage

1. Customer:

Customer model store customer related information. Customer registration login etc.If customer is not signed up then customer have limited access of the information.

2. Vendor :

Vendor have to sign up first.All the information regarding the event is provided by vendor.Vendor can update the information and upload the video.

3. Cloud Storage:

Cloud storage is defined as "*the storage of data online in the cloud*," where in data is stored in and accessible from distributed system and connected resources that consists a cloud.
In proposed system, cloud storage works as a intermediate between customer and vendor.The data is entered by customer and vendor is stored on cloud.
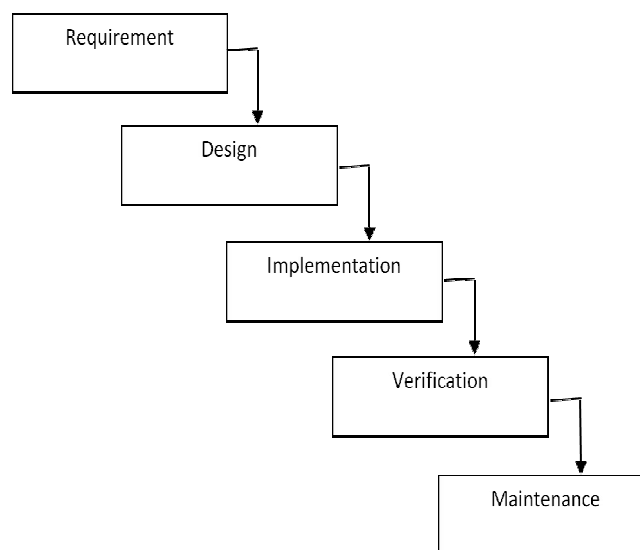
IV. RESEARCH METHODOLOGY

Figure 2 :Waterfall Model for Event Management System

Development Methodology:
This section defines the methodology or the procedures that was followed in order to meet the main goal and also to accomplish all the objectives. The methodology that was used to develop the system is waterfall methodology which is one of the categories of Rapid Application Development

Requirements Analysis :
Event Planning System acts as guidance to those who are planning their Events .The team did some data analysis on reviews given to android apps, Also met and had an interview with the professional event planners to gather some information such as given bellow.

- How the normal event patterns are?
- How the plan distributed over the duration of event?
- What is the most allowed schedule?

Design:

The design phase describes how the system will operate, in terms of hardware, software and network infrastructure,the user interface, forms and reports that will be used; and specific programs, databasesand files that will be needed. The primary objective of the design phase is to create a design that satisfies the agreed application requirements. In the design phase of the Software Development Life Cycle process continues to move from the "what" questions of the analysis phase to the "how" questions. The requirements prototype that was developed earlier during the analysis phase is gradually improved and is extended to include all the specified functions of the application. Also, the planning of the system documentation process should be started during this phase.

Since poor design will lead the entire project team to a danger point, it is very important to come up with a suitable and effective design for the system. The design phase is carried out mainly by dividing in to 3 main sub parts.

- Functional Design

In this, all the functionalities which were identified in the analysis phase of the virtual wedding planner software.

- Interface Design

In this, the graphical user interfaces for the wedding planner has designed. The Object Oriented Design (OOD) concepts has used for the whole design phase. Unified Modeling Language (UML) will be used as a tool to implement the object oriented designing concepts.

All the nine UML diagrams have been drawn in this stage.

- System Design

The system developed and comprised of several components. The diagram explains how the ideal user of the system will go through the system and how it helps to relief from the workload to the user from the date of plan up to the date of wedding.

V. RESULT

Figure 3 shows is Splash Activity which will be displayed when application is started.
When user/vendor will press the 'GET STARTED' button then next activity will be opened.

Figure 3:Splash Activity

In figure 4, activity is Home Activity. There are three buttons named 'CUSTOMER','VENDOR','EVENTS'
When you pressed one of those buttons
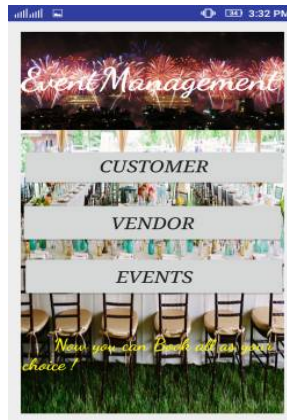That button named activity is opened.

Figure 4 :Home Activity

Figure 5 in which activity name is Customer Login. In this activity customer will enter his/her username and password and 'LOG IN'. When user will press the button 'LOGIN' then next activity will be open.
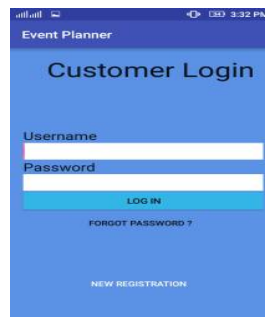

Figure 5:Customer Login Activity

In figure 6 activity, the customer is trying to log in by entering the username 'nageshr75@gmail.com' and password '1234567'. There are other 2 buttons in this activity called 'Forgot Password 'which will prompt to next activity 'Forgot Password' and 'New Registration' will prompt you to Registration activity.
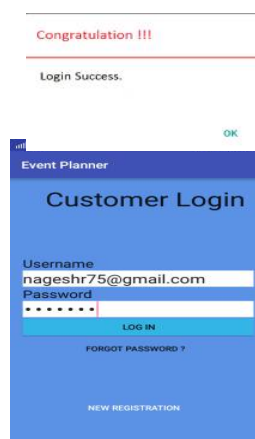

Figure 6 :Successful Login

VI. CONCLUSION AND FUTURE WORKS

Our team found the solution for the problem or issue which the current Event Management have, as Event Management System. Meanwhile this is an Android App it gives so many advance features to the customer those who are planning the any event.
There are two users:
1.Customer
2.Vendor

- It allows the customer to book more than one event at a time
- It allows the vendor to add their own service/facilities.
- It gives more flexibility to the user
- It has allow the user to communicate with system in two to three languages which are used in India It allows the user to flexibility in change the event dates.
- It gives the real time notification according to the schedule.

Once user installs this app to the android based smart phone and be able to create new registration. Then user can plan their event according to the time period left. Event by event user will take real time notification from the system. If the person wants to search some vender related to that event he/she can use search and find services provided by that particular vendor. The Special thing is that customer can find multiple vendors' services on the basis of his/her location. In this Event management system the customer can see budget planning also.Customer can select services according to their budget. It will reduce the money waste and pre allocate the money as well. There is facility to book any type of service.
More over the main technique which is used to develop the system is send alerts on events to user. Our main objective is to provide budget planning,booking service, send alert. And also search engine facility to search the information related to specific event. On the other hand the success of this project will help the industries to expand the mechanism to other related things for planning and searching.
Current World finding Event planner is easy. But finding event effective event planner is difficult. All of us know they charge high cost and sometimes not doing what the customer wants. So no worries with Event Management system. User can book everything by his own. No need to worry about knowledge about system and experience. System will take care everything and finally make more beautiful event.
Even though the system has some limitations also. One of the key limitation is the user should have the android based smart phone to access the system. But nowadays home to home everybody have the mobile phone somewhere. The problem is the Event planner have to have some basic knowledge in mobile, example how to switch on, how to open the application etc.
Thus there are few more areas the team may consider in the next version of the release.

- Mobile hybrid application (Compatible with each and every device in the world)
- compatible with each and every culture not in India but in whole over the world
- Currency converter and time converter

VII. ACKNOWLEDGEMENT

REFFERENCES

[1] "Your Dream" virtual wedding planning system by S.Nithila,D.Madhushyani,W.M.P.S.GPerer,scientific research journal (SCIRJ),volume I,issue III,Oct-2013
[2]Interactive web based wedding planner with comparative analysis decision support system by L.Y.POR,R.F.BOEY,ISSN:1790-0832 issue 3 March-2008
[3] The wedding planning system:software requirements specification version 1.0 by Dan Coulter,SidneyHaynes,RosyUpretti,SepidehDeliri
[4] Plan-based Complex Event Detection across Distributed Sources ByMertAkdere ,Gurcetintemel ,NesimeTatbul,
[5] Method and system for internet based event planning and event Management, Daniel E.Jameson, Culver City, CA(US),Eileen H. Newmark, Los Angeles, CA (Us), Patent Application Publication Pub. No.: US 2002/0156787 A United States Jameson et al. Oct. 24, 2002