Fest Facilitator

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***Abstract*—Fest Facilitator is a web and mobile application which helps in organizing any event in any educational institution or any other organization. Fest Facilitator makes it very easy and intuitive to host any event, it works on cloud based backend to provide a seamless connection between the participants and the host in a very transparent, reliable environment. The main purpose of the system is to make the Event hosting easier and hassle free which will encourage the people to host more events and will eventually help in the betterment of the Organization where it is being used. Goal of this application is to make the event hosting easier. The current manual system of hosting events is very old and has some serious flaws, this system is designed so that the information propagation from various staff members to the users would be easier and faster and more reliable. The proposed application will allow admin-users to host events and will allow students to join those events and register for them online. All the participants will be registering online and all the information will be available on the notice board of the user which makes it very easy to access.**

Index Terms—Fest facilitator

I. Introduction

Fest Facilitator is a system which help in the planning and organization of any event. The system also allows the participants to register for any specific event and the Host to obtain the participant's details. In past, events were organized base on old paper notice method, where the host was supposed to print the copies of the notice and place it on different local notice boards where people can read them and can stay aware of the event. Then the desired participants needs to visit a preset place where they can register for the event. This process is long and requires a lot of man power. The process is also less user friendly an environment friendly. One possible solution to such a problem can be to digitize the whole event organization system. This project is an attempt in that direction which focuses on the organization of the event inside any particular Organization.

Objective of this system is to create an application which is capable of organizing the complete college fest and any other events like seminars, Quizzes and different contests. The proposed application will allow admin-users to host events and will allow students to join those events and register for them online

The application will also notify the students before the starting of the events as a reminder. Such an application can highly drive utility and can help in achieving a high student enrolment in different college activities.

An Event is characterized by several elements coordinated together for a period of time. When Fest Facilitator undertakes an event contract for a client, it usually is characterized by following:

- Objective of the event.
- Target audience who will visit the event.
- Period of the event.
- Manner of inviting the audience (Exclusive invitation, public advert etc.)
- Type of Event
- Date(s) of the event
- Venue(s) of the event. (May even be in multiple cities/towns).

II. Current Platforms and Solutions

Events are leisure activities and work possibilities for people. Events bring people together and make them have good time. They enhance the quality of people's life; they can provide significant economic benefits and can also provide revenue for special projects. Regardless of size, events require a high degree of planning, a range of skills and a lot of energy.

All the software that present in the market have some or other mishap in their notification entity. They are either not so user friendly or either not user friendly or not such a socialistic that is they don't have such notice board and features. Here is a list of software present in market and their reviews

We found two applications EventBrite and Notice Board which are providing similar functionalities similar to Fest Facilitator. The problem with EventBrite is it is suitable only for large scale events and Notice Board is just another android based college notice board. Both of these apps are too general and cannot be made target specific.

III. Methodology

Development of a program is an important process that involves steps similar to any problem solving task there are five main steps in the programming.

1) Process:

a. Defining the problems
b. Planning the solution
c. Coding the problem
d. Testing the Problem
e. Documenting the problem.

Salient Features:

The proposed Fest Facilitator will help in solving all the issues listed in the problem statement. The proposed system will be much automated and paper free so all the work can be done by a few clicks. The method removes the need of volunteers in the organizing process and makes it very easy to organize any event in following ways:

One Person Hosting: Fest Facilitator will allow the host to single handedly host the event and manage it. All the participants will be registering online and all the information will be available on the notice board of the user which makes it very easy to access. The host doesn't have to do any of the managerial tasks manually as it is all done by the system.

2) Automated Event Management:

Fest Facilitator makes sure that the all the registrations and the information propagation is automated and the host doesn't have to do any of it manually. The system automatically notifies the users about the event and all the information related to it.

3) Environment Friendly:

The System is completely paper free, which contributes towards a green future as it saves the paper required for Notices, Participation forms, Lists etc. Easy Update of Event Information: The system allows the host to easily update the venue of date and time for the event, as all the users will be automatically notified of the changes.

4) Easy to access records:

The admin and users both can access the records of the previous hosted events easily, for the admins it is easier to keep track of any participant. They can easily decide the winner and publish the results of any contest via the application, and all the users will be automatically notified.

5) Application architecture:

Fig. 1. Block diagram of application architecture

Platforms Supported:

- Windows
- Mac OS
- Android
- IOS

6) Software development:

In software engineering, the terms front end and back end refers to the separation of concerns between the presentation layer (front end), and the data access layer (back end) of a pieceof software, or the physical infrastructure or hardware. In the client–server model, the client is usually considered the front end and the server is usually considered the back end, even when some presentation work is actually done on the server.

A) Front-end design:

Entire UI part is developed using unity. It provides multiple elements which makes the app interactive. Several UI elements such as textboxes, buttons, text, panels, animations, images, prefabs etc. have been used to make the app interactive and dynamic.

B) Back-end design:

A "back-end" application or program serves indirectly in support of the front-end services, usually by being closer to the required resource or having the capability to communicate with the required resource. The back-end application may interact directly with the front-end or, perhaps more typically, is a program called from an intermediate program that mediates front-end and back-end activities.

- Microsoft Visual Studio has been used as the text-editor for the scripting part. It allows us to implement code using c#, which is an object oriented language
- Amazon AWS has been used for providing cloud storage and 24/7 uptime.
- SQL workbench allows us to create database, manage tables and backend handling of the database.

C) Publishing and payment services:

Google play store, app store can be used for publishing the app and facilitating ta payment services. Several other payment gateways can also be used to increase the reach of the product.

IV. Conclusion

The aim of this project was to develop an application for Organizing and Managing number of Events and to help disseminate information to its Participants and improve the Management processes. The development focused primarily on the usability of such an application and the functionality needs of the user. It was recognized early in the project that a usable solution must utilize a database to drive the content of the application and that this must be updated through an online administration facility.

The Application produced successfully met the usability and functional requirements of the user and gained their acceptance. The roll out of this application onto the World Wide Web shows the project was successful. The user testing and evaluation of the application did however highlight room for improvements and expansion. Although all the user requirements were successfully met the application is not yet completely generic to all Events as the user is still restricted to what functions they can perform. The application could therefore be developed further to include additional functionality and allow the user greater control.

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