A GENERIC WEB-BASED EVENT MANAGEMENT SYSTEM (GEMS)

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ABSTRACT

Information technology has progressed gradually during last two decades which has helped to develop a lot systems that can help human in doing daily chores. Such kind of daily work includes event management by many users. The digital event management systems have been changing over the last few year and have been providing facilities from manual to web-based to mobile applications. Meeting and event industry predicted that the rate at which technology is changing will make the events trends astonishing. In general, new developments can help planners plan better, be more creative and engage attendees more. This project has followed the event trends in making a useful event management system. In doing so, the Rational Unified Process (RUP) has been chosen as the software methodology to create the system. In RUP the process involves all the Software Development Life Cycle from analysis to testing that suit in the developing the system. This project has focused on creating a web-based event management system named Generic Event Management System (GEMS) that can help users to manage their events in any environment.

Keyword: Event management, Generic system, RUP

1.0   Introduction

With each year passing year new technology is emerging in every industry. Same is with event management industry. It has changed gradually over years. The rate at which technology changes and event trends develop is staggering. In general, some new developments can help planners plan better, be more creative and engage attendees more. The current trends in the market for event management are mobile application event planner, cloud-based tools and social media event planner (GFI, 2015).

There are already some existing related software in the market such as Eventbrite, RegOnline and Peatix (Capterra, 2015). However, problems in existing system are high cost, complexity and incontinence. For Eventbrite, it is a good software but some of the features are hidden. Users need to look at FAQ for certain problems. The software has some problem with payment method also. Moreover, it is not effectively and efficiently satisfying a specified set of users by allowing them to achieve a specified set of tasks in a particular environment.

In order to overcome these issues there is a need for a better event management system. As the trends said that a powerful event management system needs to have marketing automation integration. By integrating event management and marketing automation systems, the data generated before, during, and after the event, can be used to enhance the lead-to-revenue cycle while improving the power and effectiveness of the event itself.

Furthermore, appointment for user is also in need. Look for an event management platform that allows for both self-scheduled and automated "matched" appointments (Certain, 2015). These features can significantly enhance the overall user experience at the event by engaging attendees, powering connections, and accelerating business. Other than that, event views for attendees can be personalized. In other words, a central resource specifically curetted to align with their profile and event goals, with access to their personal agenda, 1-to-1 meetings, travel information, and other relevant content (Shen, 2013).

Therefore, this project proposes a better solution to cope with the current trends of event management system nowadays. In order to achieve this, the objectives of this project were to derive the generic requirement for event management system based primarily on OSSA activity unit. Then design and develop a new event management and information system based on the identified requirements. Last the system were tested to meet the requirement of event management and information system.

2.0   Related Works

It cannot be denied that there are already some online event management system available as mentioned above. Yet, there are some people who still prefer to manage events in manual ways.

Although there are many advantages in the current systems, it cannot be denied that no exiting system is perfect without weakness. The comparison on existing is shown in the next section.

2.1   Comparison on Existing Similar System

The Table 1 below presents the comparative evaluation of features and limitations of existing systems.

Table 1:   List of Current Existing System

Name of the system	Etouches	Eventbrite	Peatix
Features			
Interface	HTML/CSS	HTML/CSS	HTML/CSS
Payment Fee	Pay	Pay	Pay(Free for certain event)
Language	31 Language	15 Language	2 Language
Limitation			
Performance	Moderate	Good	Moderate
Accessibility	24/7	24/7	24/7
Security	TRUSTe's Privacy Seal	PCI Compliant	Secure Socket Layer

3.0   Methodology

In order to develop the application, Rational Unified Process (RUP) is chosen as the develop methodology of the system. The selection of Rational Unified Process (RUP) as the development methodology is based on factors that are suitable to develop the application. Indeed, RUP is a suitable methodology for GEMS application system because it improves the productivity and delivers a high quality product based on the user's requirements. In RUP (2013), UML diagram is used to manage the process of development in this type of

methodology. RUP divides the development process into four distinct phases that each involves business modelling, analysis and design, implementation, testing, and deployment (Itinfo, 2015). The RUP methodology offered a structured way for GEMS development. It provides the prevention for the resources from being wasted besides reducing development costs by eliminating unused resources.

4.0   System Design

Figure 1 below shows the use case of the system. The system has three main users which are admin, organizer and user. Admin role is to manage organizer, events and events approval. Admin also can the system features. Organizer's role is to submit event proposal and User's role is to register and search events. Every role can comment to the event. Admin and organizer can view all the participant of the event.

Figure 1 Use Case Diagram of the System

Figure 2 below shows the interface of the system with the available list of events in the system. The list only shows some of the information of the event. Admin can click at the title

of the event to view the details of the system. Admin also can view comment and participant of the event.

Figure 2   Interface of the system for list of events in the system.

5.0   Conclusion

In conclusion, all the features of this project have been implemented to facilitate the users. The product of this project can help many people to use. This project has produced a lot of documentation for future use. Even though this system has limitation, it can be enhance by future work. Finally, all the information related to events can be managed and viewed online. Therefore users will not miss the event that they are interested in and organizer can submit their proposals and can manage the status of their proposals as.

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