Assignment 2

Course Code: TIS2151 Web Application Development

Group Member:

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Abstract: We aim to build a web application name **Event**[+] that provide a platform for people to discover, search, create events and purchase events' tickets.

Objectives to achieve:

1. User able to register an account to use the web application.
2. User able to search, create events and purchase events' tickets.

Functions (Tan Di Xiang): Provide event management function (create event with constraint checking, search event, display event details, edit event details)

Functions (Fam Xuan Deng): Provide event management function (create event, search event, display event details, edit event details)

Functions (Eric Chia Teck Han): Provide user management function (register account, login with password, edit profile)

Functions (Foong Ee Fong): Provide event's ticket purchase function with constraint checking, display purchased ticket function

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Introduction

With the rise of need of event management in Malaysia, web application that provides event management functionality becomes absolutely vital. It is becoming essential for organisers to use an event management web application when organising and managing events.

In this report, we propose a web application for event management named **Event**[+]. This report presents the analysis, design and implementation components of the web application.

Analysis components such as use-case diagram and user requirement are studied for better understanding of web application. Web flow diagram of the web application is presented to show the way of organizing the web pages. In implementation aspects, we discuss about the functions and limitations of our web application compare to existing event management web application.

In conclusion, the report will discuss the summary of our web application and the future work that we can apply to the application for better performance.

Problem Statement

In order to organize an event successfully, the organiser or company will need a good event management web application to assist them. A good event management web application is a system that able to provide functionality to organiser to organise and manage their events. Organiser can promote and handle their events through the application. It makes the process of event management easier and in control.

Without an efficient event management web application, the organiser are likely difficult to accomplish the events' goals. Thus, there is a need to build event management web application to assist organiser in promoting and managing their events more effectively.
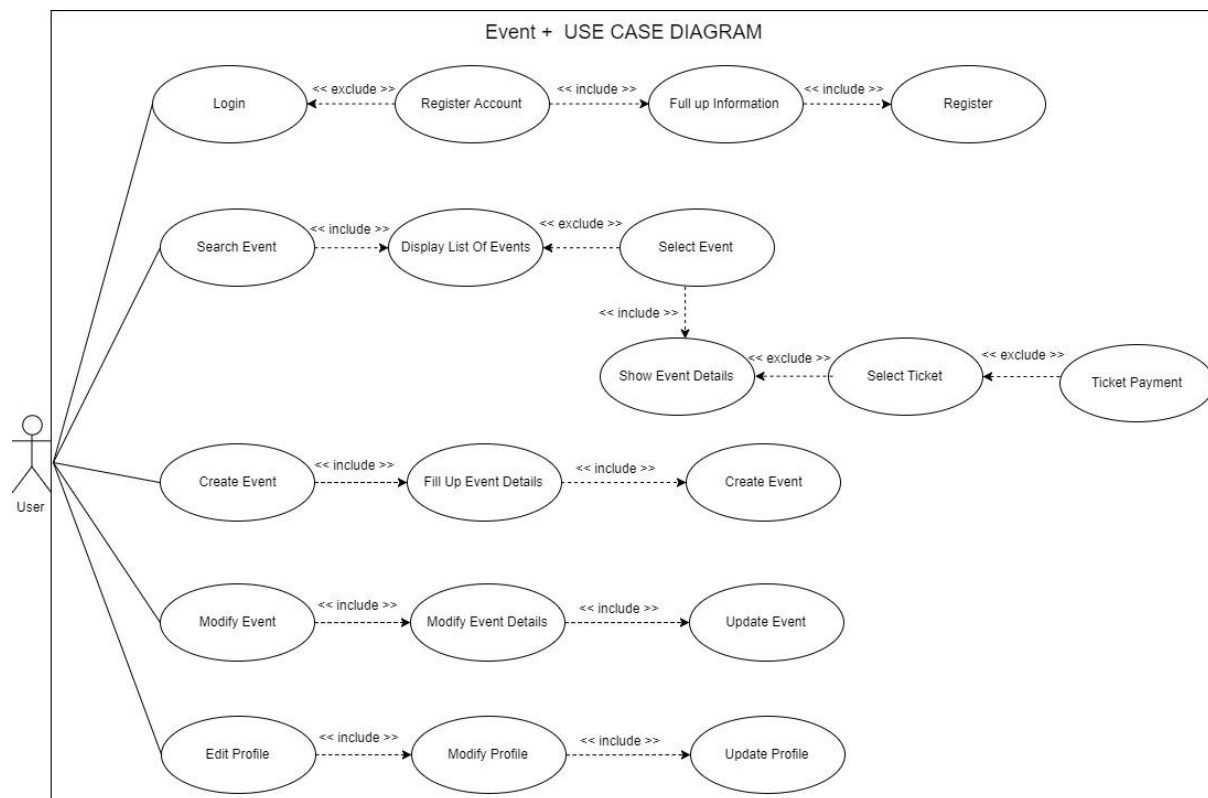
Objective

We aim to build an event management web application that enables everyone to create and purchase events' ticket. The web application is able to act as an online platform for user to discover events.

Solution

i) Analysis

a) Use Case Diagram
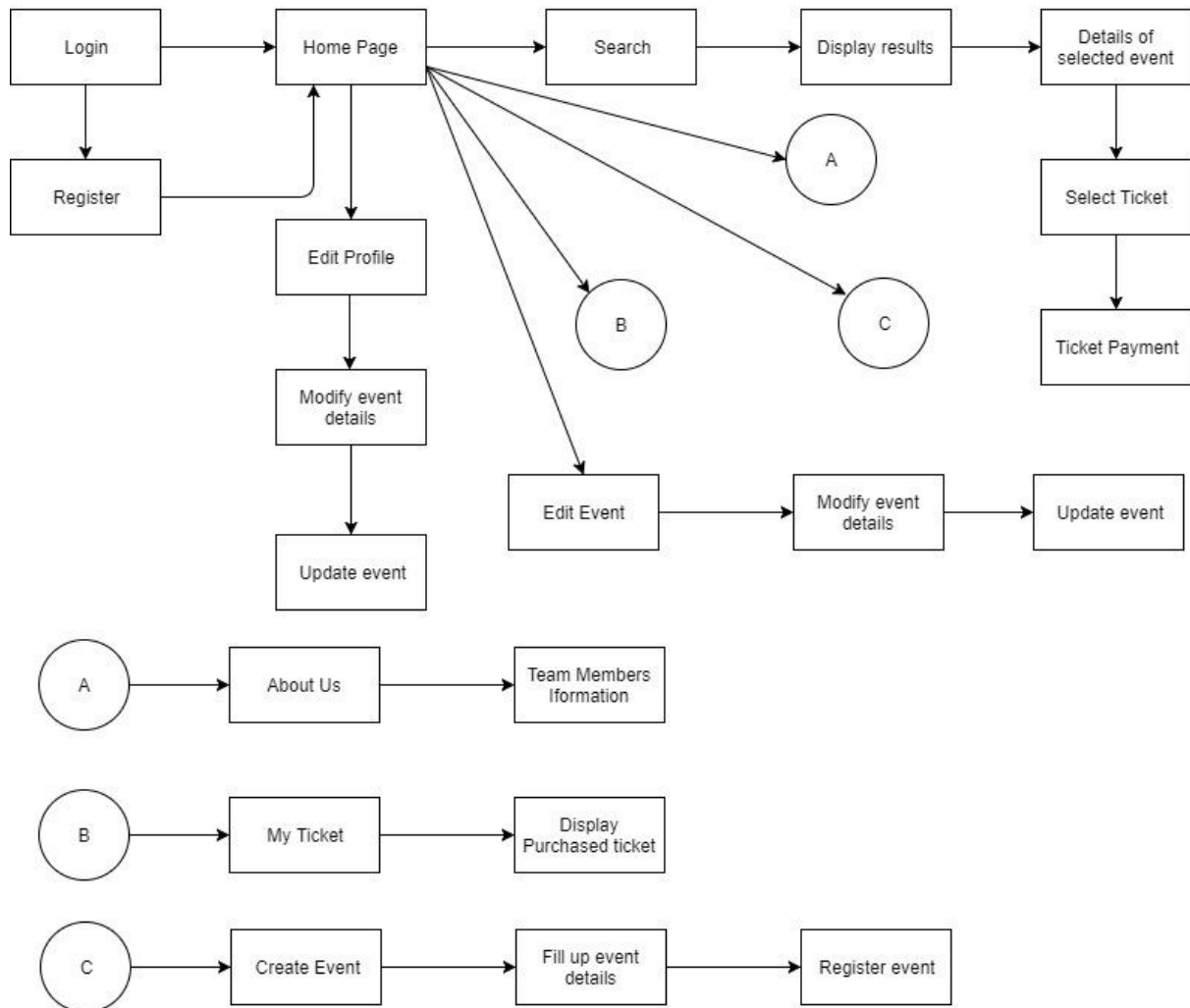

Event + USE CASE DIAGRAM

b) Requirements

1. The web application should provide login function to users.
2. The web application should provide registration function to the users.
3. The web application should provide search event function to the users
4. The web application should provide create event function to the users.
5. The web application shall allow organizer to modify the event's details.
6. The web application shall allow user to edit user's profile.
7. The web application shall allow user to purchase ticket.

ii) Design

a) Web Flow Diagram
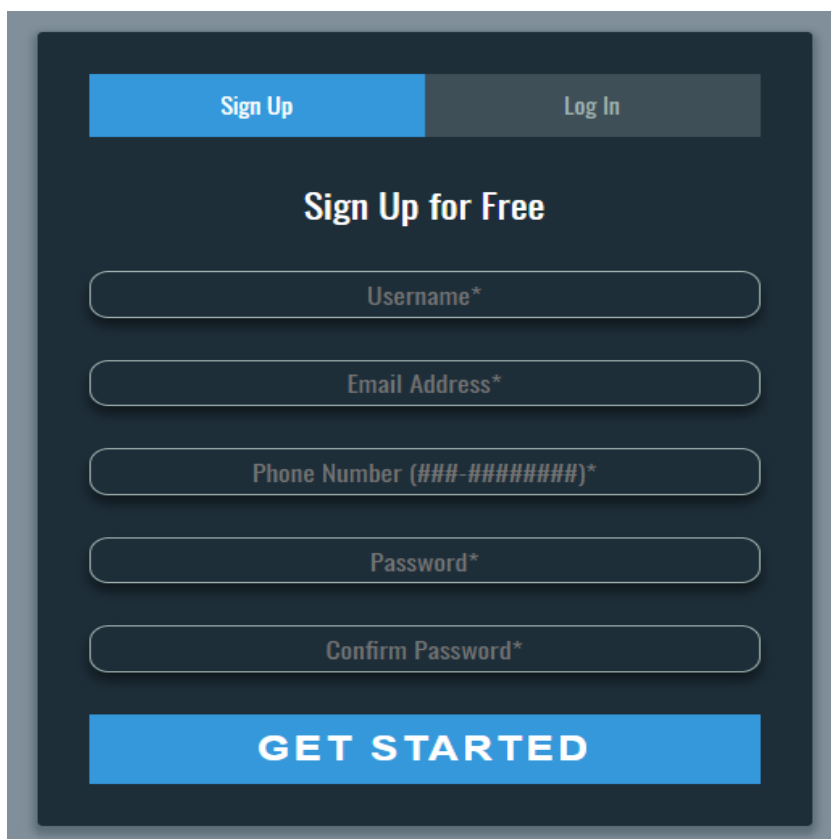
Event+ Web Flow

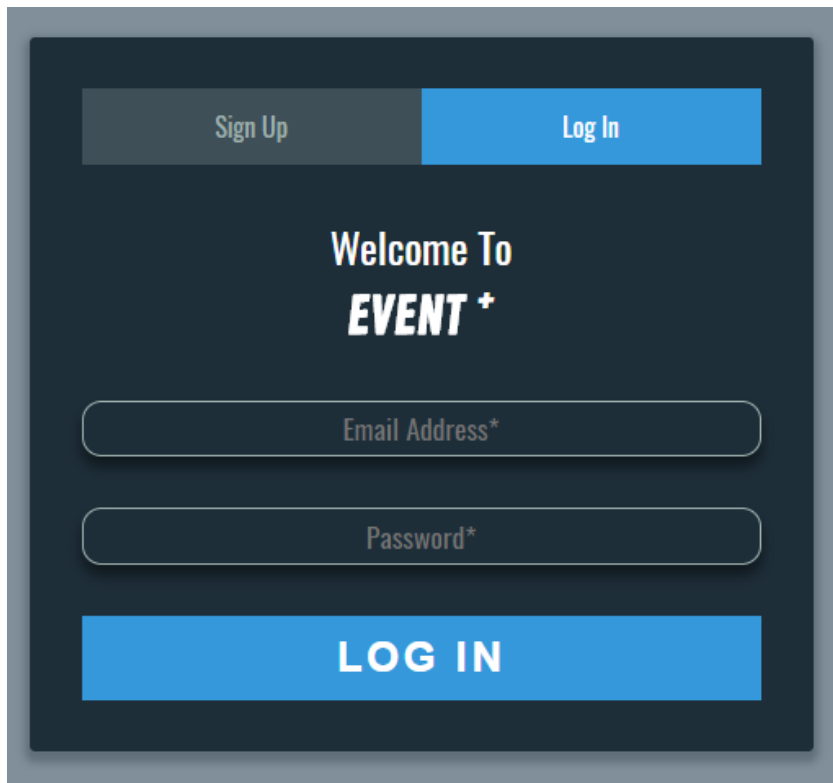# iii) Implementation

a) Limitations

1. Our website could not check whether the registered email exist or not but only able to check whether format of the email valid or not.
2. Our website does not provide forget password function. If user has forgotten the password, they will not be able to retrieve password again.
3. During creating event, users are not able to set end time in the midnight if the start time is being set before midnight.
4. Our website does not provide seat selection for user to buy ticket or create event.
5. Our website does not provide function for users to upload the image about events.
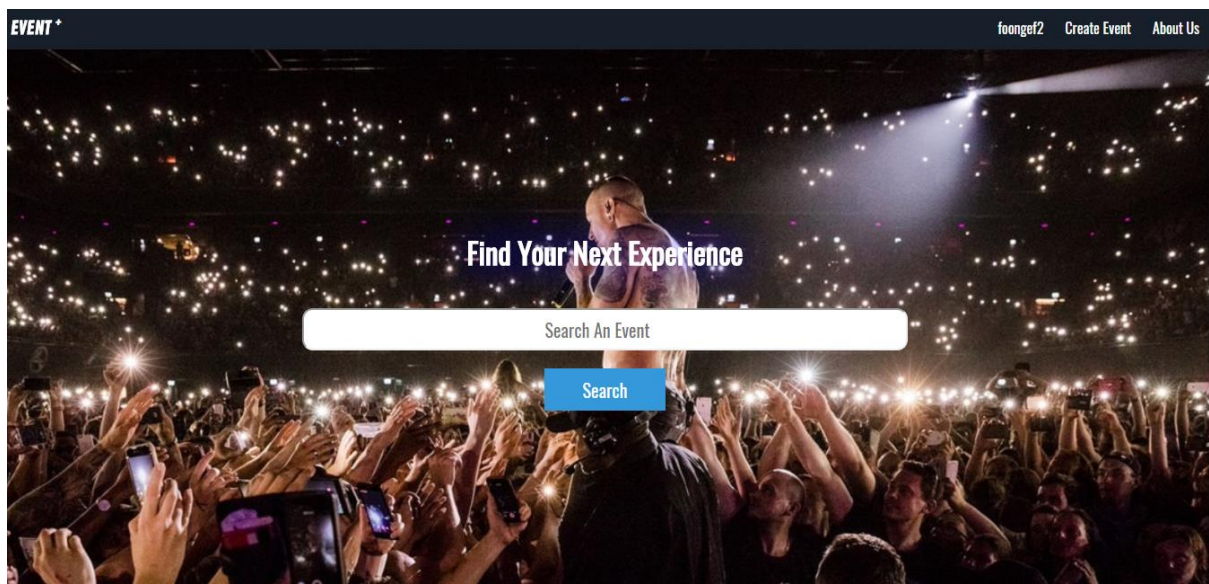
b) Screenshot and its function

Function:

The function above is registration. Users are required to register their account before buying event ticket or create their event. In order to register successfully, all the details are required to fill in. Confirm password able to prevent user from creating their password wrongly.

Function:

The function above is log in. Registered users are able to log in Event+ by entering their created email address and password.

Function:

The function above is search event. Guest or registered users are able to search event in the home page of Event+.

Function:

The function above is user edit profile. Registered users are able to click on their username which located at the top right corner to edit their own profile. Users are able to change their email, username, phone number and their password. If entered email or username is already taken by other users, user are not able to update their profile.

Function:

The function above is display event. After users searched an event at the homepage, it will display event for user to check details of the event.

Function:

The function above is to display the event details of the event selected by users.

Function:

The function above is purchase ticket. User are able to purchase ticket with the minimum amount of 1 and maximum amount of 10 tickets.

Function:

The function above is make payment. After selecting amount of ticket to buy, user are required to enter their credit card details in order to buy the ticket. All fields must be filled in order to proceed to further steps.

Function:

The function above is to display purchased ticket of users. Users are able to click on the drop down menu to display My Ticket.

Event Detail

1 Event Title:

Enter Event Title

2 Organizer:

2 Venue:

3 Description about the event:(Max. 38 Words)

4 Seat Capacity:

4 Ticket Price:

5 Start Date:

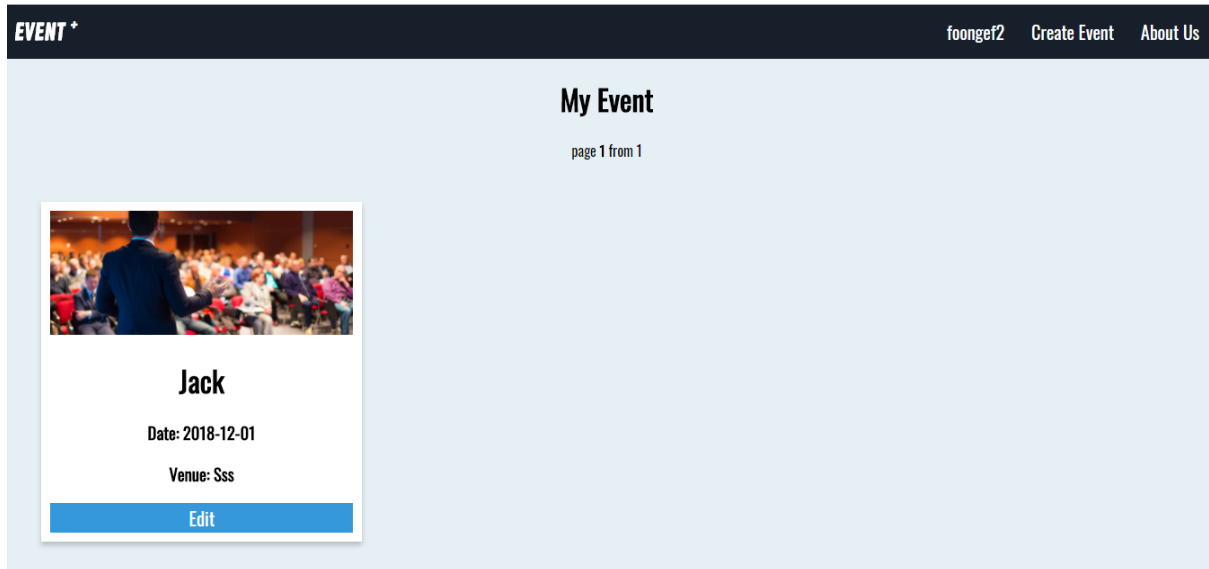mm/dd/yyyy

6 End Date:

mm/dd/yyyy

7 Start Time:

--:-- --

8 End Time:

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Function:

The function above is create event. Users are able to create event by filling up all the details of the event.

Function:

The function above is to display created event by user. Users are able to click on My Event on the drop down menu to display the event and also edit event which has already created.

Conclusion

Summary

In conclusion, our system fulfils the basic requirements of an event management application although there is some weakness. The user can register an account to use the functionalities such as create events, search events and purchase events' tickets. We hope that our program has no boundaries between the organiser and the participant, which everyone can be the creator of an event and also participant of events.

Lesson Learnt

During this assignment, we learnt the application of front-end programming languages such as HTML, CSS and back-end programming language such as PHP. Besides, we also learn to use MySQL database programming language to manipulate database data.

Future Work

Due to the lack of time, many different minor functions have been left for the future. Some proposals and ideas will be interesting to try for the improvement of the system. The list below will talk about the future changes and functions of each part.

1. Register/ Login Function

Forgot password feature: User will receive an email from the system, and the email will provide a link to redirect user to the link of changing password for security.

Location navigation: By inserting the location, the system will show the event held around the area.

2. Event Management

Event Creation: Users are able to upload images and seat position about the event.

Event List: A list of today happening events will be shown at the home page which can let users to notice them.

Event Categories: The event can be shown and listed according to each category for specific users.

3. Ticket Function

Seat selection: Users can select their preferred seats.

Bank Online System: The ticket payment can be connected with each bank online system.