

Problem Statement

BLUE Entry



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5931028021	Thanakrit Buranakarn	User and their Connection to the System
5931029621	Tanapon Suwankesawong	System Scope, Input and Output
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Introduction

For the past several years, education events have become more popular, such as academic boot camp, seminar, conference, teaching, etc.

However, since these education events have just become popular in Thailand, they still do not have an officially centralize system for event organizers and attendees to communicate. Consequently, there are many problems and inconvenience such as events are announced separately so it is hard for attendees to look for the events that is most proper to them, event managers find it hard to promote and manage their event, attendees don't receive enough information of the education event and difficult for attendees to find and pay for the reservation etc.

Our team concern with all the problems stating above so we decide to create a centralized platform for attendees and event organizers to communicate. We'll also include useful functions to enhance user's convenience and hope that this project will encourage more people to go to education events.

Objective

This project objective is to provide a web application platform for easy matching between attendees and the education events organized by event manager. The expectation is to provide an education event matching platform which allows attendees to find any education events to reduce time for attendees to find and join an education event.

Problem Statement

Problem	Cause	Solution
It is difficult for attendees to find education event that they are interested.	Education event information is announced on different platform .	Develop a platform which collects education events and event information.
Attendees do not receive enough information of the education event.	The communication between attendees and event organizer are limited.	Develop a system which allows attendees to contact event organizers.
Reservation can be inconvenient for attendees.	There are no intermediary systems between attendees and event organizers.	Develop a event reservation system.
It is hard for event organizers to manage their event.	Existing systems does not have payment and reservation managing service in the same platform	Develop a system which allow attendees to do payment and allow event organizers to manage reservation

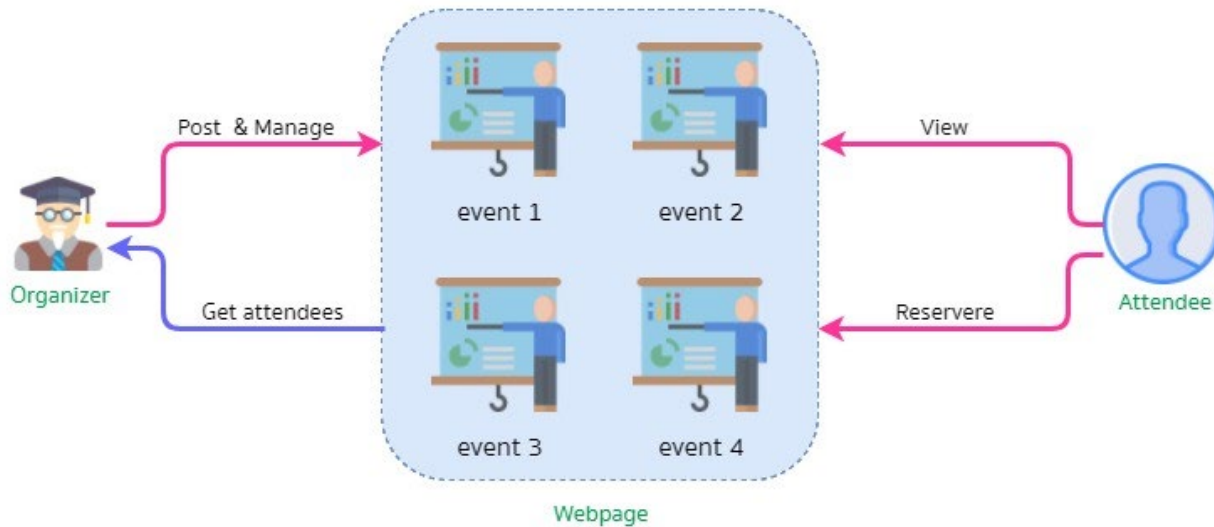
System Overview

To solve these problems, we decided to develop a web-based application which is a platform for matching education organizers and attendees. There are 3 main parts of our system.

First, organizers request to post an event and they must provide details to the webpage. After the event has been approved, the event and details will be shown in list of events. Organizers can also manage and edit details of event but it must follow terms and conditions.

Second, attendees can view all events that posted on the website. They can also filter events by some details to let the webpage find result which match the search.

The last one is payment system. If attendees would like to reserve a seat, attendees are able to either pay by credit card or bank transfer. After a reservation is confirmed, to complete a transaction, attendees have to deposit 30% of the total price and the remaining within the deposit payment and full payment period respectively.



System Scope

1.Registration

- 1.1 Event organizers and attendees can register to the system
- 1.2 Event organizers and attendees can log in to the system
- 1.3 Event organizers and attendees can log out of the system
- 1.4 Event organizers and attendees can edit their account
- 1.5 Event organizers and attendees can delete their account

2.Function for event organizers

- 2.1 Event organizers can post their education event
- 2.2 Event organizers can add event information
- 2.3 Event organizers can edit event information
- 2.4 Event organizers can set the maximum number of attendees of their events
- 2.5 Event organizers can edit the maximum number of attendees of their events

3. Function for attendees

- 3.1 Attendees can view all education event post and event information
- 3.2 Attendees can view search education event they interested by category,date and price range
- 3.3 Attendees can contact event organizer in case they want more specific information
- 3.4 Attendees can make reservation
- 3.5 Attendees can cancel their reservation

4. Payment

- 4.1 Event organizers can set due date of payment
- 4.2 Attendees can pay within payment period
- 4.3 Attendees can either pay by credit card or bank transfer

Input and Output

User Type	Objective	Input	Output/Result
Event Organizer	Register as a new event organizer in the system	First name Last name Email Username Password Bank Account	Event organizer account
	Login to the system	Username Password	Allow access service the system provides for event organizer
	Post education event	Event details such as name, date, price, etc.	An event created in the system with creator as an owner
	Post an answer	Details that answer attendee's question	An answer created in the system
Attendee	Register as a new attendee in the system	First name Last name E-mail Payment gateway Username Password	Attendee account
	Login to the system	Username Password	Allow access service the system provides for attendee
	Search for education event	Category Date Price range	The education event that match attendee's interest
	Reserve event	Payment gateway	A reservation of the event
	Post a question	Question	A question created in the system

User and their Connection to the System

Our users are divided into two groups including Event organizers who provide education event and attendees who want to find the education event that they are interested. The available actions for each type of user are explained below.

1. Event Organizers

- 1.1. Can post new event
- 1.2. Can add or edit event information
- 1.3. Can view the current availability of their event
- 1.4. Can set or edit the maximum number of attendees of their events
- 1.5. Can set due date of payment of their event
- 1.6. Can post answer to attendees' question

2. Attendees

- 2.1. Can view event information
- 2.2. Can search event by information such as date, category , price range
- 2.3. Can post a question to event organizer
- 2.4. Can make a reservation
- 2.5. Can cancel their reservation before payment
- 2.6. Can select the payment method
- 2.7. Can view their reservation status

System Design Constraint

1. System platform

This system will run on web application platform which required HTTPS as a communication protocol between server and clients.

2. Time Limitation

This system will be implemented within May 2019.

3. Hardware

- 3.1. The server must provides support all the time.
- 3.2. The average latency response time must be lower than 200 ms.
- 3.3. The server must be capable of scaling during peak time.

4. Software

- 4.1. The application is support with both mobile platform and monitor platform.
- 4.2. The application must be capable of rearranging and resize the design elements to fit in any platform.

5. Security

- 5.1. The system must allow users to access system service within their account's privilege.
- 5.2. The system must keep users' private information secret to everyone beside themselves.
- 5.3. The system must stored users' password as hashed value.