

Prime College
Institute of Science and Technology
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“Jyazo:”
A PROJECT PROPOSAL
[CSC - 404]

Submitted to
Department of Computer Science and Information Technology
Prime College

In partial fulfillment of the requirement for the Bachelor degree in Computer Science and
Information Technology

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1. Introduction

Events have now become an integral part of our day to day social life. Events may be of personal levels, educational levels, and political level and so on. No matter what the event maybe everybody feels good if they are informed about the event being organized. Interested people can go through the details given and take part in the interested events. The project entitled '**Jyazo:**' is developed for every person who is interested in knowing what events are occurring and where are they happening. As they are many events being organized every day and many people are unaware of the events that are taking place, this project aims to notify people about the happening events. It recommends the events that are happening near the user's location.

Today's world is a technological world so it's important to provide people about the events that are going to take place. Almost every day multiple events are being conducted and many people are unaware. This project helps the user to buy the ticket online through e-sewa and others services. It checks the attendees and if they are absent in events then an email is sent regarding the summary of the event that was held. The attendees are sent a thank you mail for their participation in the event. Furthermore it checks the user's attended events and suggests the related events that are going to take place next. As the user will know about the related events they can search about the events and can attend required events.

Jyazo: locates the location of the user and checks the distance between the users and the nearest event and shows the shortest distance to the interested nearest event which can be reached easily. Different events with same topic could be held at many places due to which user can check for the events and can attend the nearest one to them. It also has feature of recommending the events they may be interested in attending on the basis of their previous attended events. It ensures that no false event has been registered by the organizer by personally enquiring them.

2. Problem Statement

In today's society there are many events that are occurring daily and most of the people are unaware of the event's that are happening near them. Even though there are some application that are already developed for event management, many user don't use such application as it sometimes may be too complex. So our team aims to develop a web application in order to notify the users about the events happening with a very user friendly platform. The user will also be able to add an event which they are organizing in a very simple manner. This project's main goal is to flow the information about the events without making it complex.

'Jyazo:' will be providing a very user friendly interface in order to ease the users in searching and adding new events. Whenever an event will be happening near the user's location the user will be immediately notified and they can mark those events as 'going' or 'not going'. Unlike other event management application this application recommends the user about the event that they might be interested in. This project will be using Dijkstra's algorithm for determining the nearest event's for the user that they might want to attend. Events are searched in an easy and effective way.

3. Objectives

- To develop a web application that allows user to search and add event's happening.
- To provide a user friendly platform for simplicity.
- To recommend user nearby event's occurring.
- To notify user's about the events that are going to take place.
- To provide a secure user interface, as this project uses authenticity token for registering each user
- To provide interactive user interface, as this project allows two way communications.
- To provide notification about the events.
- To purchase event ticket online using online payment methods like e-sewa.
- To filter out fake events with constant monitoring.

4. Scope

Events and occasion have become an integral part of our day to day life. We simply cannot just bypass them as it touches our almost every aspect of social life. Events may be of personal levels like birthday celebration, marriage, anniversary or academic levels like graduation, welcome, farewell etc.

No matter which type of events are taking place we always want to know about them. So in order to solve this problem the project '**Jyazo:**' will be playing a very important role. This project will be very helpful to notify users about the events going on. Since it will be providing simple and easy interface it will be user friendly. Thus by maximum utilization of effort and efficiency this project will be having a huge scope in day to day life.

5. Methodology

- **Requirement Identification**

- i) Study of existing system

To get general information and idea about the application, various researches were done on existing event management applications.

- ‘Eventful.com’ is an online web based event search application connecting people with all the events that are being organized. With millions of local events to choose from, Eventful provides the world’s most comprehensive selection of local entertainment content and serves its users across multiple platforms, delivering highly personalized content and recommendations to each of Eventful’s registered users. [1]
- ‘Eventsinnepal.com’ is a web based application to find out details about different event that are being organized within Nepal. It claims to be the first Nepali web based portal for events, conferences, exhibitions & trade fairs offering unique way to promote and share programs information online. [2]
- ‘Wherevent.com’ gathers and displays information about events that is publicly broadcast on internet sites. The Site allows Internet users and Users to see and to find public events that may be of interest to them with the help of different search methods. The Site allows organizers of events that are publicly broadcast on internet sites such as “social networking” sites to broadcast them through the Site. [3]

- ii) Requirement collection

- Programming skills in Ruby
 - Designing skills
 - Basic understanding in Dijkstra’s algorithm
 - Linux platform basic knowledge

- **Feasibility Study**

The feasibility study helps to determine the benefits of the proposed system in the society and organization. It also determines if the system can be built successfully with cost, time and effort. The study is conducted by analyzing the collected requirements.

i) Technical Feasibility:

All the tools and software product required to construct this project is easily available in the web. It do not require special environment to execute. It needs a web server and a DBMS (Database Management System) to operate. All these aspects are easily affordable. The application requires simple user interfaces but implementation of algorithm and real calculation are complex. It can be done with some assistance from our supervisor.

ii) Operational Feasibility:

The operational feasibility assessment focuses on the degree to which the proposed development projects fits in with existing business environment. The system is reliable, maintainable, usable, sustainable, supportable and affordable. So this system is operationally feasible.

iii) Economical Feasibility:

The purpose of economic feasibility assessment is to determine the positive economic benefit to the organization that the proposed system will provide. As this system is easy to use and will be available almost everywhere it is economically feasible.

iv) Scheduling Feasibility:

Gantt chart displays the overall timeline of the proposed project. It presents a sequential breakdown of individual tasks showing the relationship between tasks and the time taken for each task. The duration of tasks are shown as horizontal bars. The application development in the specified time intervals.

- Tools

i) Analysis and Design Tools

- Rubymine(IDE): Coding and Design
- Google API: Drawing Maps
- Rails(MySQL): Server and Database
- Esewa: Online payment
- Actionmailer gem: Email notification

ii) Implementation Tools

- Windows OS based laptops and desktops

6. High Level Design of Proposed System

- Flowchart

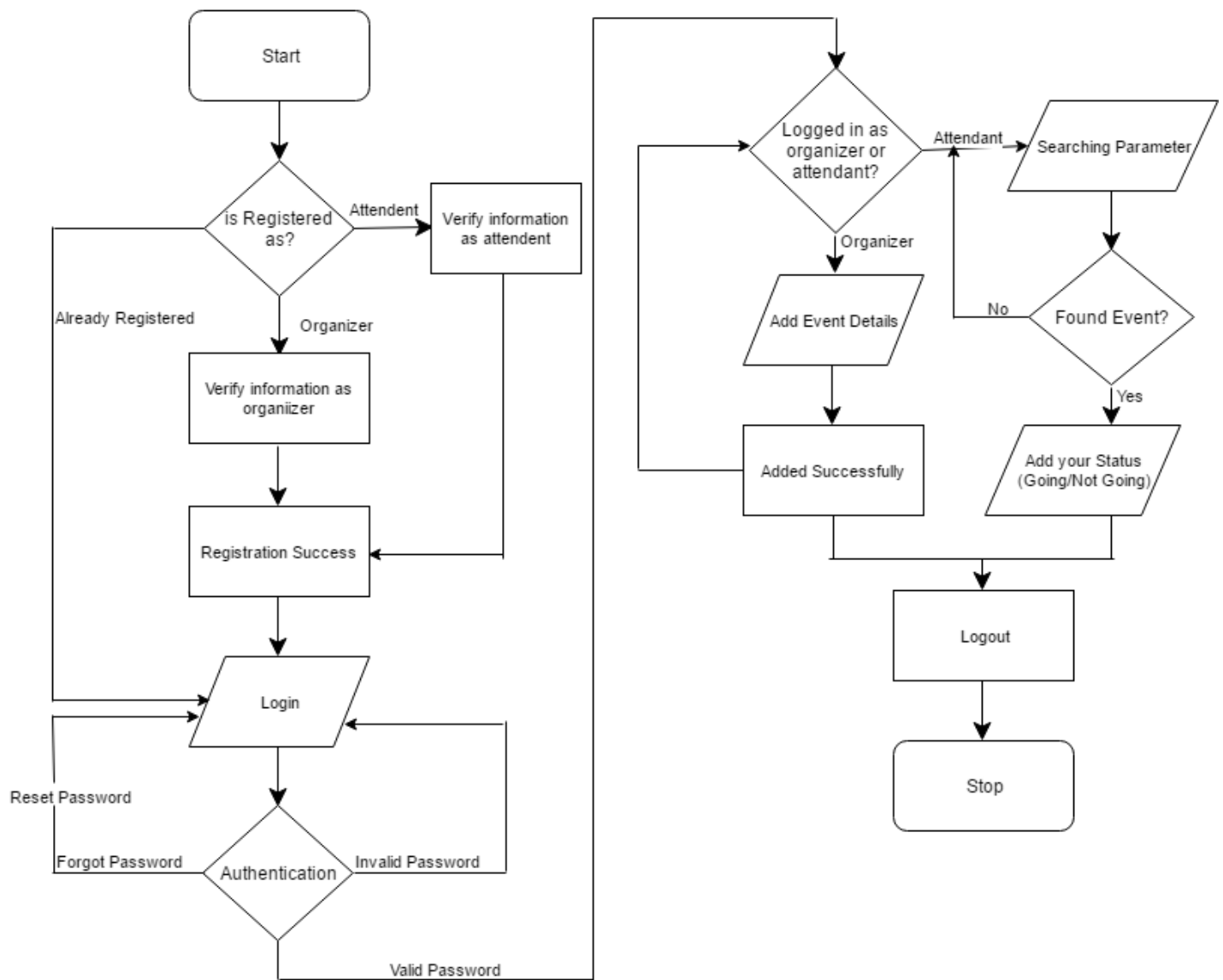


Figure [1]: Flowchart of Jyazo: Project

- Block Diagram

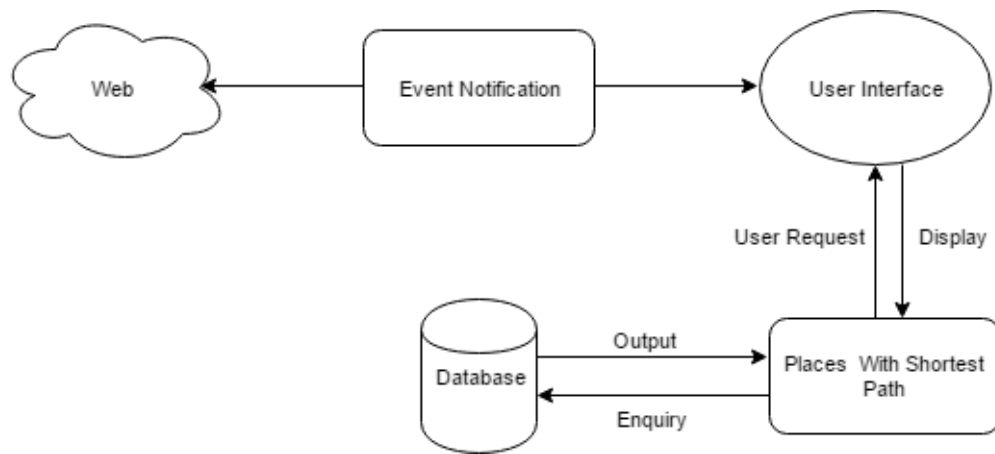


Figure [2]: Block diagram of Jyazo:

- Actor Model

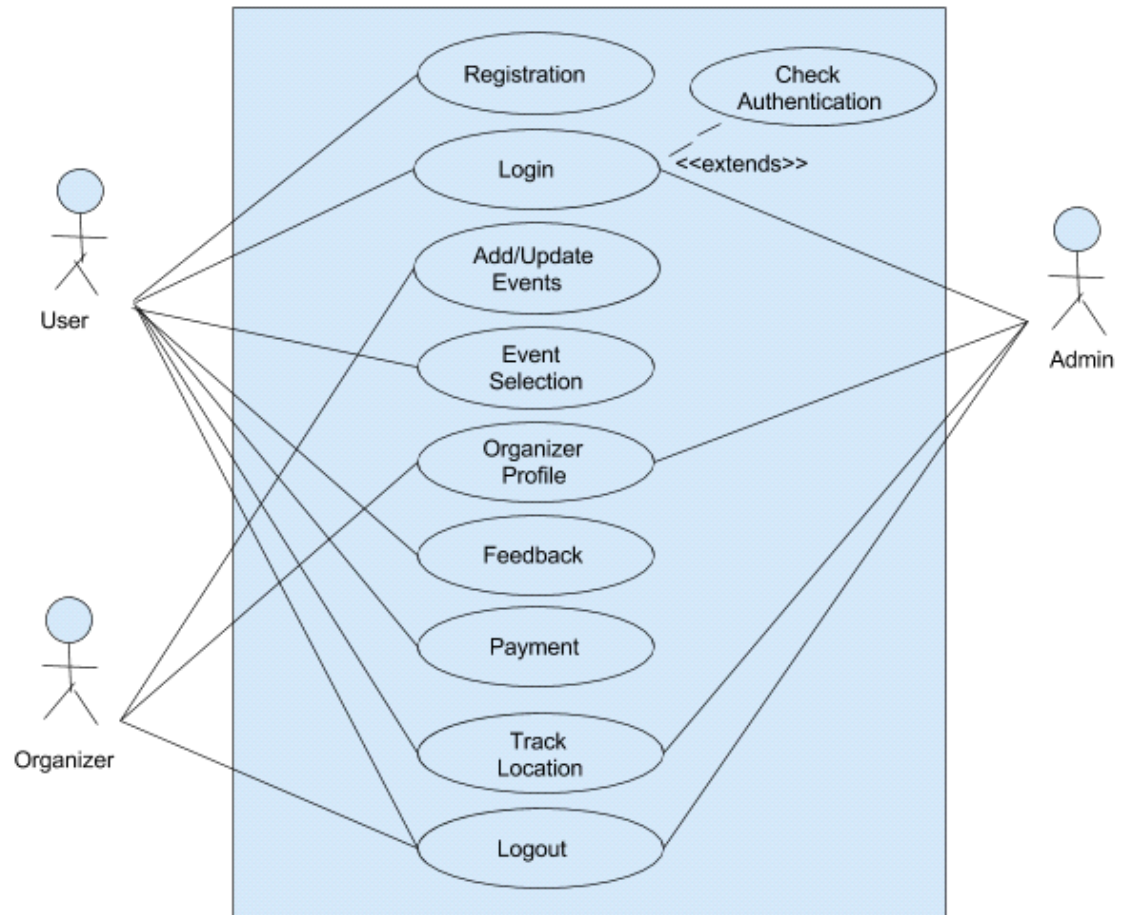


Figure [3]: Actor model of Jyazo:

7. Gantt Chart to show the projected time planning

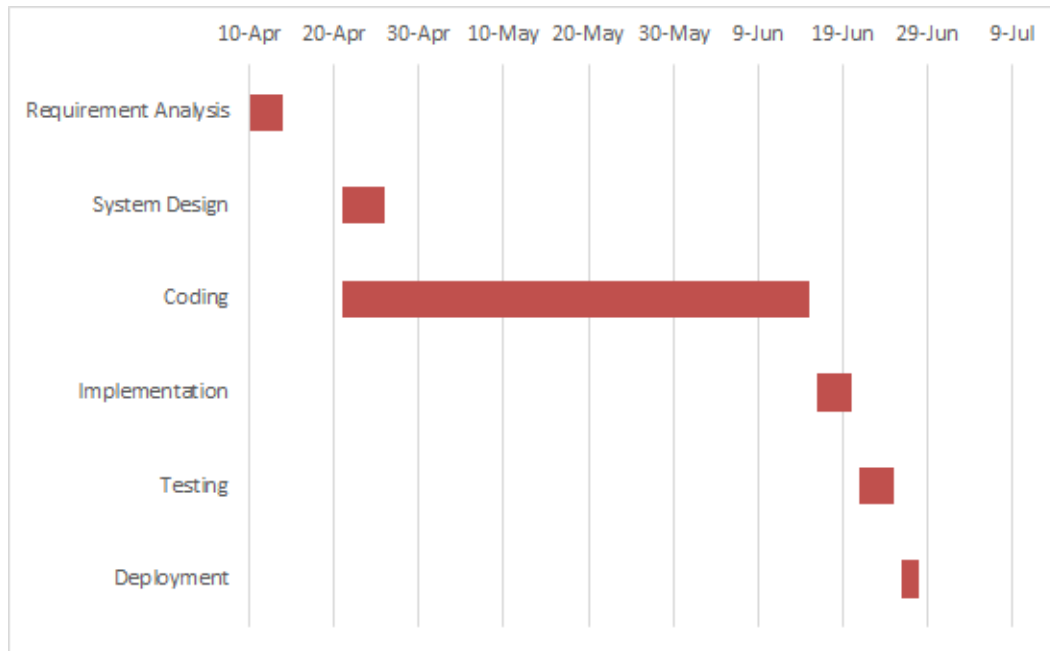


Figure [3]: Gantt chart for Jyazo:

8. Expected Outcome

‘Jyazo:’ is expected to be a very user friendly and productive web-application. With simplicity in use along with practical features this application can be beneficial to both the organizers and the users.

This project at its completion will prove to be very beneficial in various ways and for various reasons. The organizers will experience direct benefits of putting their events on the map as those events will be recommended to the users considering their past activities, interests and location. The recommendation feature will also help as an advertisement. This will increase the participation of people in those events significantly. The users on the other-hand will have a productive interface where they can search for something new or view events near them and events resembling their interests. This will keep the users informed on the events happening around them and also help them get there with less effort as the directions will be provided for the shortest route.

9. References

- [1] “Eventful,” [Online]. Available: <http://about.eventful.com/> [Accessed 21 05 2017]
- [2] “Event’s in Nepal,” [Online]. Available: <http://www.eventsinnepal.com/#> [Accessed 21 05 2017]
- [3] “Wherevent,” [Online]. Available: <http://www.wherevent.com/> [Accessed 21 05 2017]