



Centre of Excellence for Learning and Teaching

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Lecturer: Nischal Shakya

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Assignment Type (Individual/Group): Group

Program Name: BSc (Hons) Computing

Zoo Ticketing System

Introduction

The aim of this project is to design a menu-driven application which will allow Zoo Ticketing System to manage Zoo ticket system and staff members by using a MySQL database and a Java web program that are connected together. Zoological gardens provide an opportunity to open a whole new world of curiosity and interest, and sensitize visitors regarding the value and need for conservation of wildlife. Zoos were initially started for the entertainment of people. Gradually over the years, they have come to play an important role in conservation. The goal of zoos is the conservation of animals in the wild.

The Zoo Management System facilitates the Customer to enquire about the wild life and visiting details available on the basis of location and timings, Booking and Cancellation of tickets, enquire about the status of the booked ticket, etc. Online booking has made the process for the reservation of tickets very much easier than ever before. It's a system of managing the duties and status of all kind of worker and employees. Here animal loving people search for an animal and get the whole info, they can even search with their availability at the zoo.

Background

The ultimate goal of zoos is the conservation of animals .The entire detail of the ZOO PARK and to elaborate more on providing the visitors entry tickets, keeping the animals' details and maintaining their birth, death& updates. Zoos faced the problems of issuing a ticket and maintaining the animal's data by manually. It takes more time and difficult to maintain. The data are stored in MS Excel. This leads to the difficulty of calculating the data. Zoo management system will find a new way to overcome the above problem that will help to provide the tickets effectively without any corrupted data or information and to provide a security data base to store all animals' details. By this way, the history record can be maintained without much manual effort and storage of paper. So this reduces the usage of papers which in turns helps to keep Green Environment.

1. Poor advertising and marketing methods to attract national and international customers.
2. The advent of globalization had led to more people having access to their own televisions and the shows about wildlife, creating more interest in visual show than real.
3. Lack of investment by Nepal government and poor maintenance.

However, past two years, after lockdown the Zoo have not been at its glorious day, as a result less amount of investment and lack of maintenance and addition of animals have not been made. Manual are advance designated outlets. Though our system might run zoo smoothly. This because manual stock taking that goes along managing the tickets. Tracking of tickets sales can be difficult resulting revenue generation. Long queues are common scene in zoo and the data of the customers are vital for zoo.

Objectives

The main purpose of the ticket purchasing system is to provide a convenient way for customers to buy Zoo tickets. It is a real time system and though there are similar systems for more advanced countries, they do not provide an alternate online payment means such as the use of mobiles money from other telecommunication networks other than credit card

The projects aim;

- To increase revenue for the Zoo
- To provide a convenient service for customers
- To promote the ZOO on the internet
- To provide more efficient pricing policy to effectively distinguishing between, children, student and adult and international ticket holders.
- To provide a more attractive and interactive medium for purchasing tickets

Problem Statement

Problems with Current System

There are many problems with the current system these can be seen below:

- Current is system no longer functional
- Reports cannot be produced
- Data stored in multiple locations and formats
- No security or restrictions on different kinds of data
- No policy regarding to the recording of animals and management of details
- Current system is mainly manual
- Location of records only known to the particular area manager

Requirements for New System

The new system requires a menu driven application which will allow zoo management to manage zoo animals and staff. It should be possible to enter new animals into the system as they arrive at or are born in the zoo, it should also be possible for the user to search, update and delete animal records from the system. It should be possible to generate various types of reports from the system.

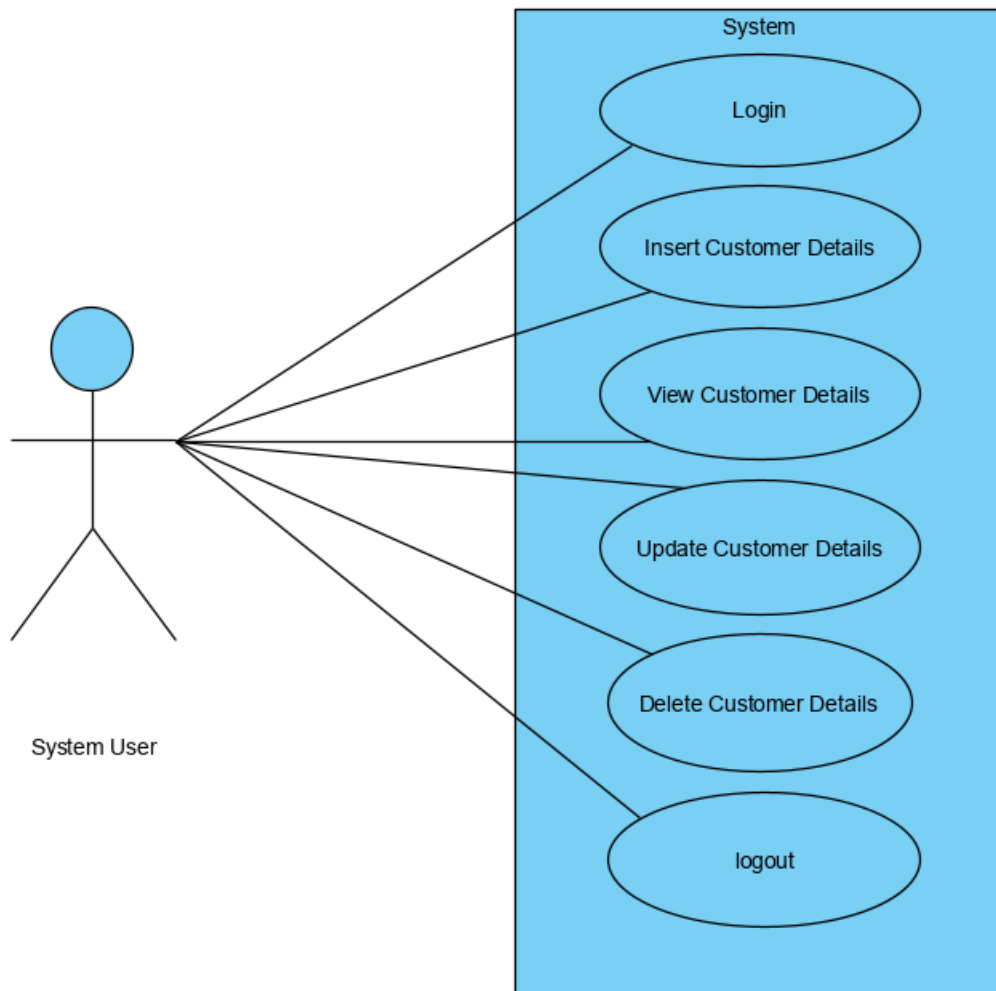
The new system should also contain a record of all staff working in the zoo and all of their details and the system should be user friendly with the minimum amount of input required.

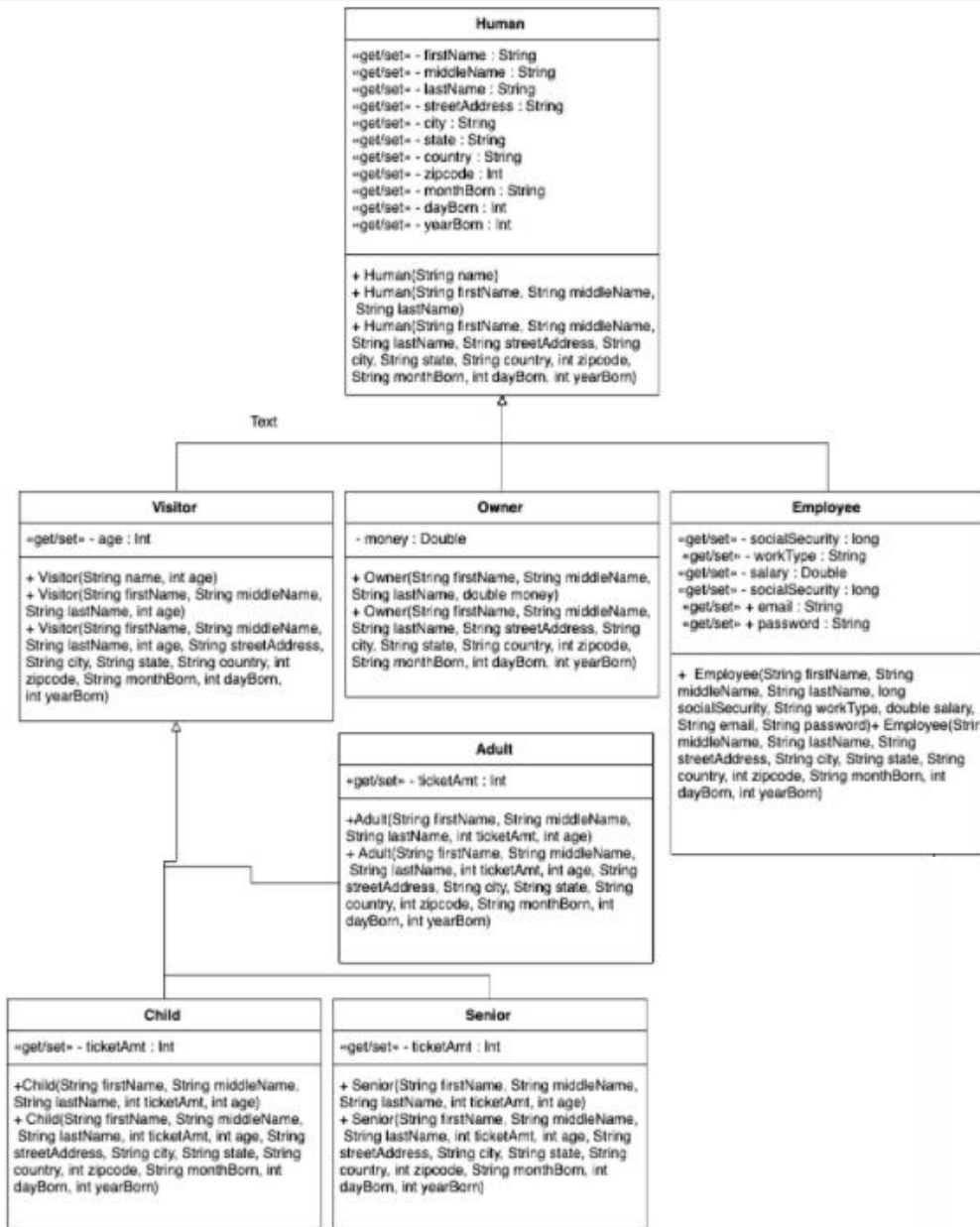
Proposed System

System User

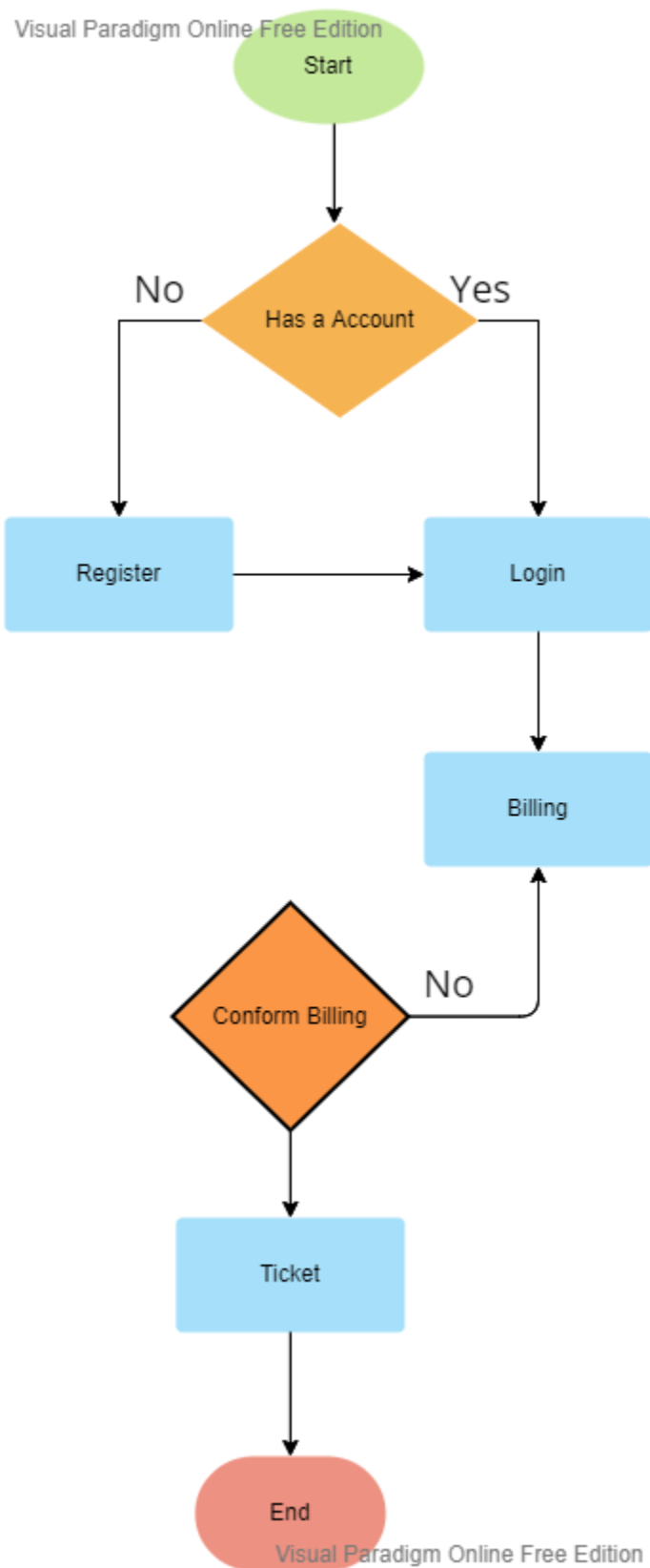
1. Employee enters the zoo
2. The Employee clicks on Employee button
3. System shows username and password text field.
4. The Employee enters username and password
 - #1 4.1 Employee enters wrong username or password
 - #2 4.2 System does not let the employee in
5. System confirms username and passwords and leads the employee
6. The employee then decides to visit the ticketing system
7. The employee selects, inserts and update customer info
8. The employee does the billing
9. Then it goes back to the Zoo Welcome page Variation

Use case Diagram

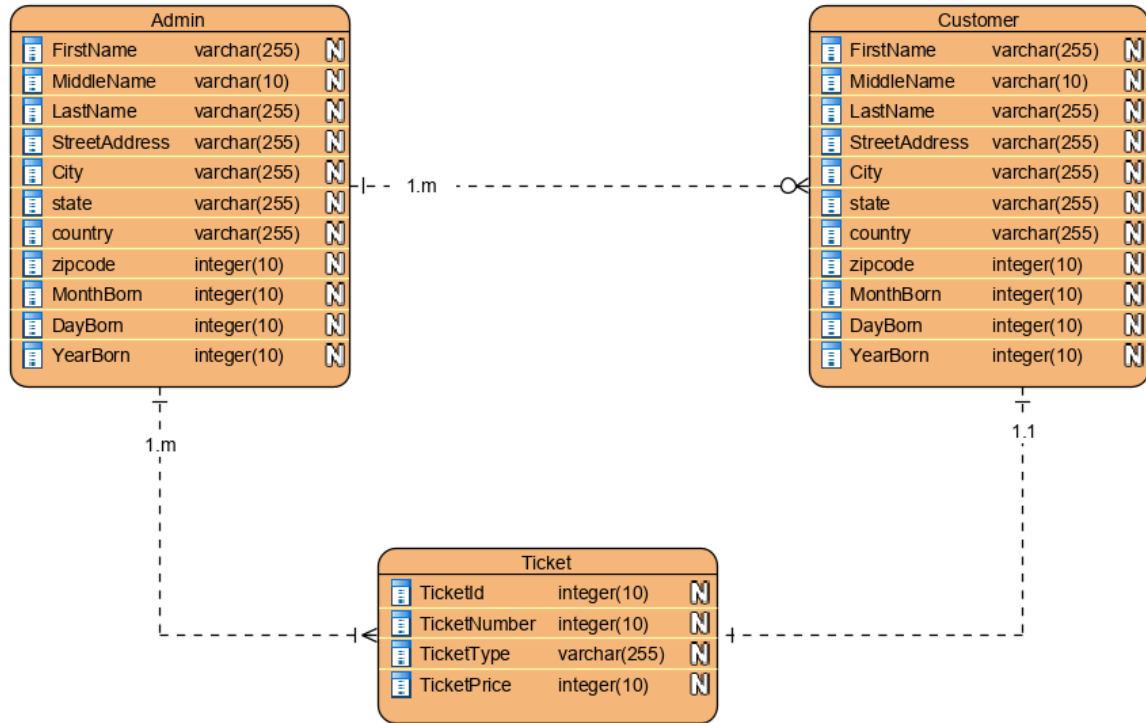




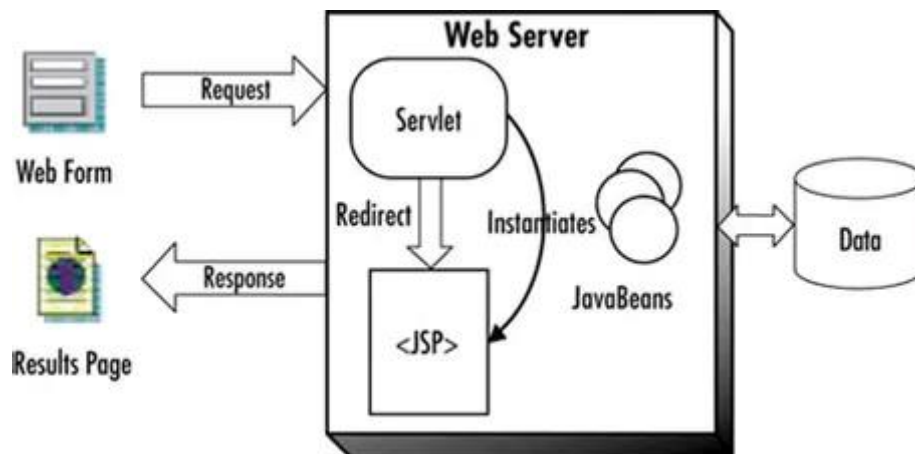
Flowchart



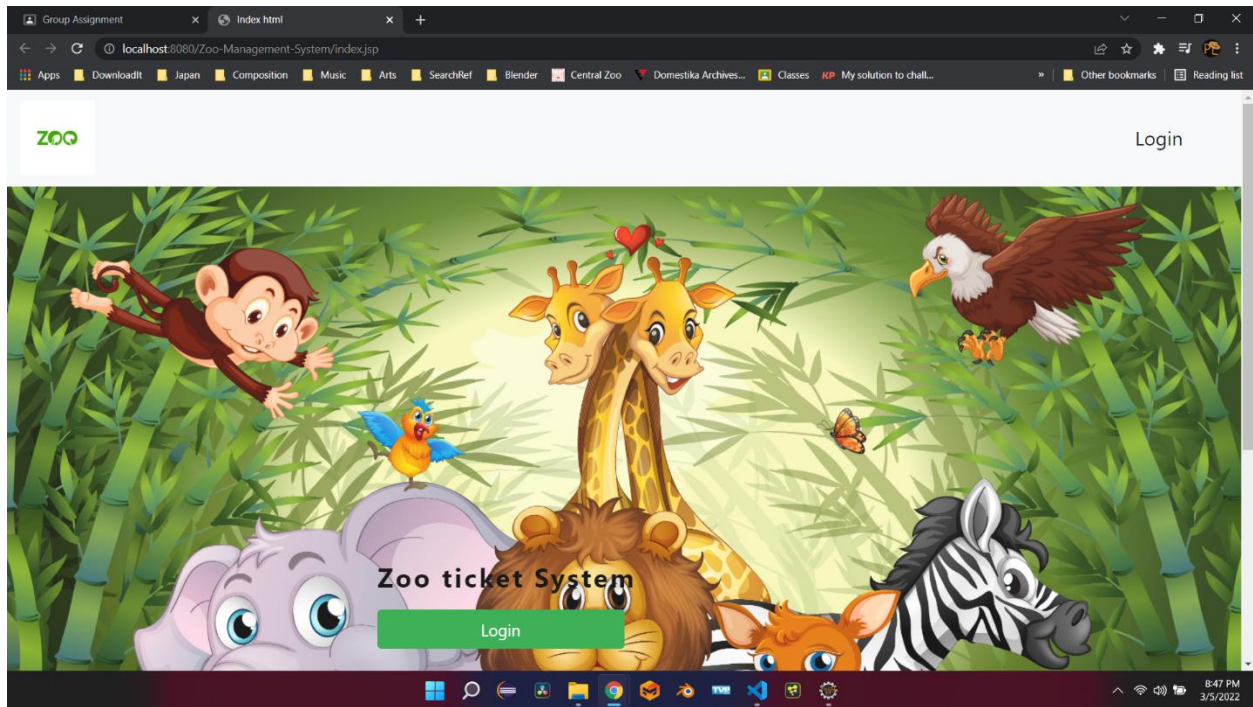
ER Diagram



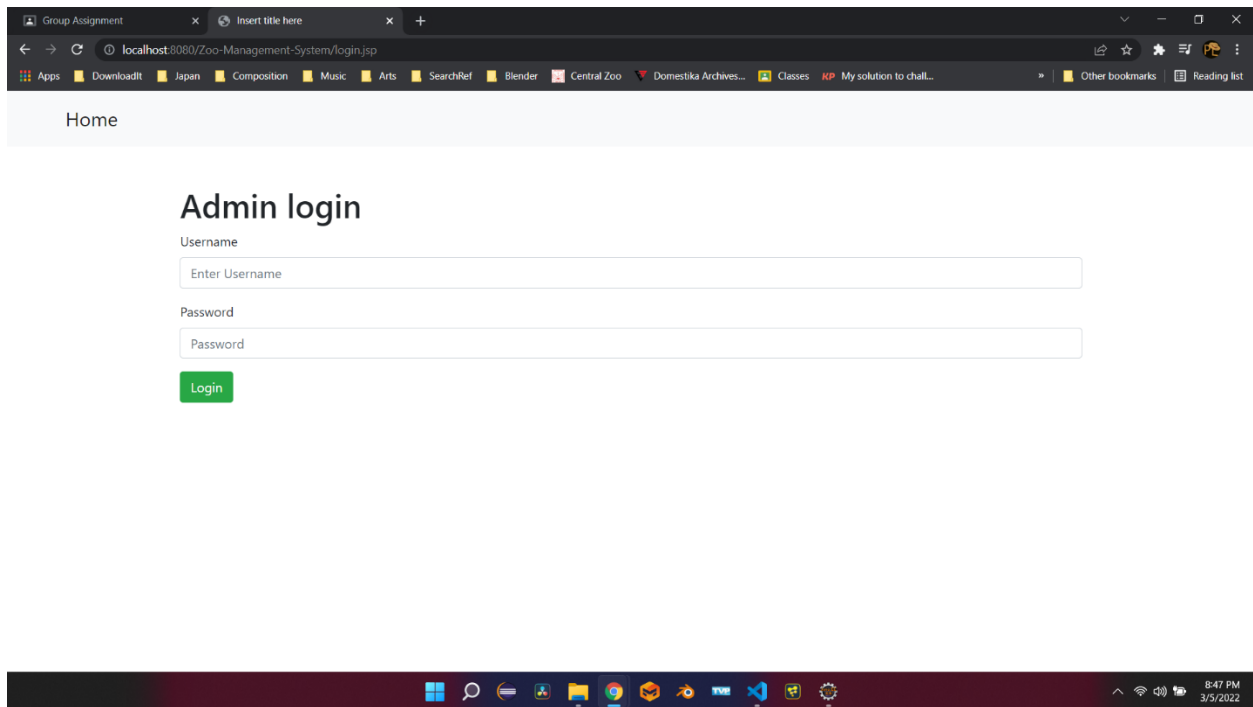
System Architecture



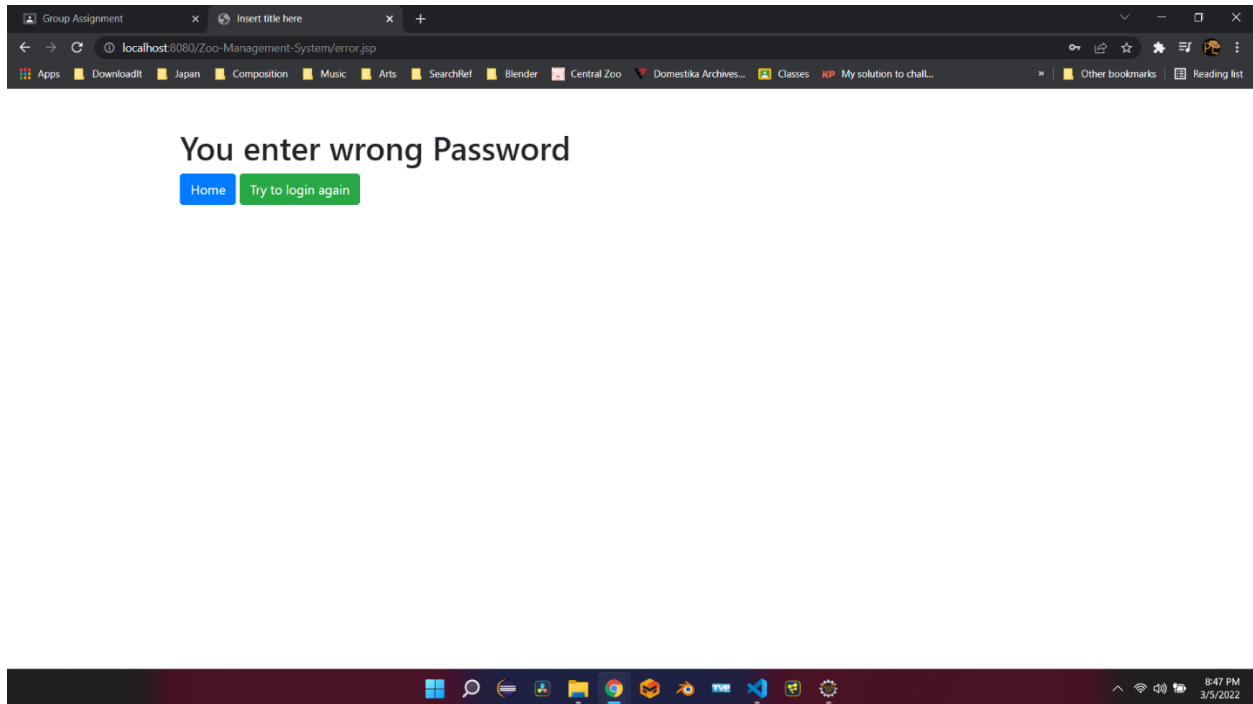
Projects Screen Shot



Home page for zoo ticket system using bootstrap and vanilla css.



Login portal for admin.



Validation if username or password is error.

Group Assignment x Insert title here x +

localhost:8080/Zoo-Management-System/insert_values.jsp

Apps DownloadIt Japan Composition Music Arts SearchRef Blender Central Zoo Domestika Archives... Classes KP My solution to chall... Other bookmarks Reading list

Ticket Pricing

Adult = Rs 200
Children = Rs 150
Foreigner = Rs 500

Symbol number

eg 1,2,100

Name

Enter Name

Contact number

eg 9844782345

Email

eg jesus@gmail.com

Submit

Details

8:47 PM
3/5/2022

Form and details.

Group Assignment x Insert title here x +

localhost:8080/Zoo-Management-System/insert_values.jsp

Apps DownloadIt Japan Composition Music Arts SearchRef Blender Central Zoo Domestika Archives... Classes KP My solution to chall... Other bookmarks Reading list

Symbol number

eg 1,2,100

Name

Enter Name

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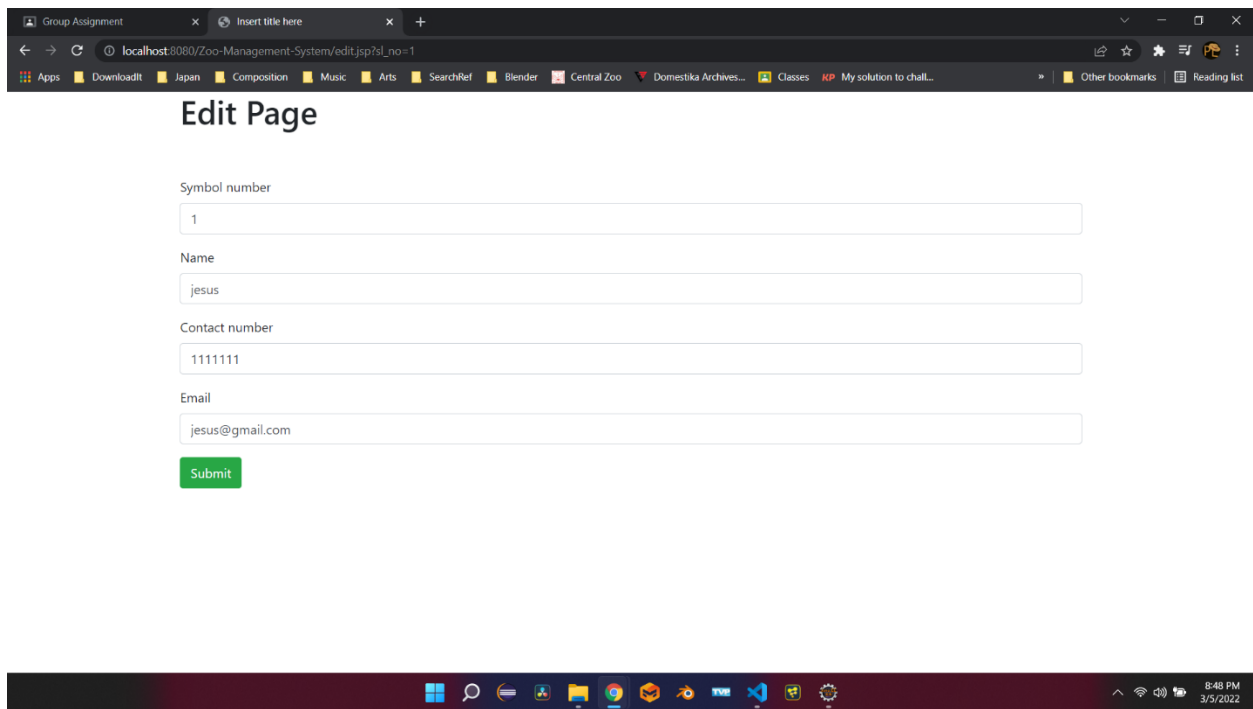
Submit

Details

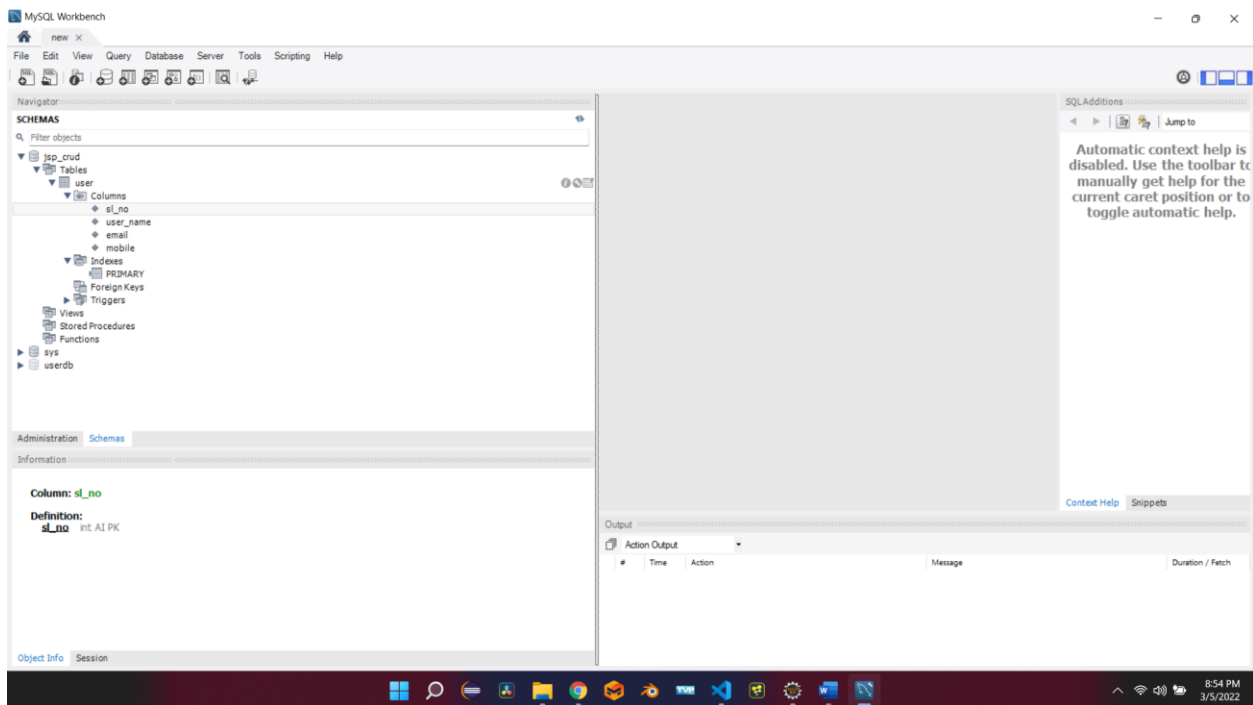
#	Name	Contact number	Email id	
1	jesus	1111111	jesus@gmail.com	Edit Delete
123	jesus7777	9999999	programmingerror77777@gmail.com	Edit Delete

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3/5/2022

Crud functionality.



Edit page.



Mysql Database.

Future Works

It is believed that to every development of a software project, there should be future works thought and discussed of the development team for the project. This is as to make sure that the project keep on improving in order to maximizes its functionality and effectiveness onto the comfort of users and so that it follows the current technology as well as need of users. Nepal Zoo Ticketing System. Using Filtering Method is planned to be developed into a mobile application for android users. Then, it is hoped to improve the visual or the design of the website at the user's end to be looking more interesting and user-friendly.

Conclusion

Customers can confirm tickets online instead of traditional method of ticket confirmation. User, visitors as well as Zoo Employee is able to keep the details of visits. This system can be used in order to minimize waiting times, prioritize Ticket confirmation. This allows individuals to conveniently and securely reserve their entries to zoo online. Compared to the usual traditional method, queuing method, the web-based management system could significantly increase customer and visitor satisfaction and reduce total waiting time and efforts effectively of visitors as well as the employees.

References

1. *<https://en.wikipedia.org/wiki/Zoo>*
2. *https://www.academia.edu/5754413/STUDENT_INFORMATION_MANAGEMENT_SYSTEM*
3. *<https://ntnc.org.np/project/central-zoo>*

