

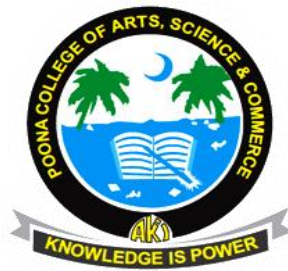
5TH SEMESTER PROJECT

AKIS POONA COLLEGE

TYBBA-CA

TICKET BOOKING SYSTEM

[6611-6651]



ANJUMAN KHAIRUL ISLAM'S

POONA COLLEGE OF ARTS, SCIENCE & COMMERCE

Camp, Pune - 411001.

CERTIFICATE

This is to certify that the project entitled

“Ticket booking system”

Has been partially completed successfully by

Mr Shaikh Aman Kamruddin

&

Mr Pathkalan Shujaur rehman Abdul Razzak

Towards partial fulfillment of Bachelor of Business Administration (Computer Application) in Commerce Department from University of Pune, for the academic year 2021-2022.

Vice Principal

Internal Examiner

Project Guide

External Examiner

ACKNOWLEDGEMENT

- I heartily wish to take this opportunity to express my gratitude to my teachers and friends for how they have helped me a lot in completing my project.
- I am very grateful to my lecturer, **“H.O.D. Dr.Shabana Mulla”** for his explanations and constant guidance throughout the project.
- I would also like to give thanks to our **H.O.D. Dr.Shabana Mulla** for her valuable support, help and guidance whenever needed.
- I am very grateful to my lab instructor whose suggestions helped me a lot while project work in progress and I am also grateful to the non-teaching staff for helping me in laboratory in various ways.
- I would like to extend my gratitude to those friends whose knowledge and time had been given to help me in different ways.

Mr Shaikh Aman Kamruddin

Mr Pathkalan Shujaur rehman Abdul Razzak

**Y & M Anjuman Khairul Islam's
Poona College of Arts, Science & Commerce
Camp, Pune-1**

TYBBA (COMPUTER APPLICATION) – Semester - 5

Project Synopsis

Academic Year: 2021-22

Submission Date: _____

Project Guide: **Prof. Shabana A. Mulla**

Total Marks: _____

Sign _____

Project Title: Ticket Booking System

Team Members:

Sr. No.	Name of the Student	Roll No.
1.	Aman Shaikh Kamruddin	6611
2.	Pathkalan Shujaur Rehman	6651

(In Case of Live Project):

Project Details:

(A)	Project Category	ONLINE
(B)	Introduction	<p>Our project is " Ticket Booking System" using different technology's and Tools. Like :-</p> <p>for Front-end we are using Html, css, JavaScript, React-js, Bootstrap.</p> <p>For Backend /API's we are using Node js, and its library And then</p> <p>For Database we are using Mongo DB/MySQL.</p> <p>We are providing different booking service in our project</p>

Existing System:

(A)	Title	Ticket Booking System
(B)	Platform Used	-Desktop
(C)	Database Used	-MongoDB/ mysql
(D)	Features	<ul style="list-style-type: none"> • Good UI • You can book ticket easily. • Platform independent. • You can perform CRUD operations. • User safety – Authentication added Login page. • Responsive web and more
(E)	Drawbacks/ Need of the System	<ul style="list-style-type: none"> • Internet connection is required • Update browser required for good UI experience

Proposed System:

(A)	Title	Ticket Booking System
(B)	Platform	Both mobile as well as Desktop
(C)	Need of the System	-Updated Chrome Browser -Internet connection for better UI
(D)	Scope of the system	-multiple ticket book at a time -multiple ticket book services available -anyone can use this for ticket book -No need to go anywhere
(E)	Functional Details	<ul style="list-style-type: none"> • For Fronted UI used HTML , CSS, JS, REACT-JS, Bootstrap • For the Backend used Node js • For Database used MongoDB/Mysql
(F)	Types of End Users	-Not specific user , but anyone can use this app For their personal work as well as professional work

Date: _____

Signature of the Students

Place: _____

1. _____

2. _____

INDEX

Sr .No	Name
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2	System Analysis <ul style="list-style-type: none">• Existing systems• Project perspective, Features• Stakeholders• Requirement Analysis• Functional requirements, security requirements etc.
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5	Testing <ul style="list-style-type: none">• Test Plan• Problem Identification• Black Box Testing or Data Validation test Cases• White box testing or Functional validation test Case• Results
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Abstract: -

We have created “Ticket Booking Management System” project Using Full stack methodology.

In that User can book tickets easily.

In this project we are providing multiple ticket booking services in one website.

We have used different technologies and Tools. Like:-

for Front-end we are using Html, css, JavaScript, React-js, Bootstrap.

For Backend /API's we are using Node js, and its library

And then For Database we are using Mongo DB/MySQL.

We are providing different booking service in our project.

1. Introduction

Motivation:-

We have taken this project idea from play store app, we saw there is a lots of Booking app available but it's provide the different booking Service in different web apps also inform of APK format, but we have make this in web format. Anyone can use this app for different ticket booking like (Destination, movie, flight etc.) in one website. We have also take reference from some web site article, and YouTube videos.

Problem Statement: -

- This web app is available but for android and ios operating system
- It provide only one Service in their app
- For that you have to install it first.
- Platform depended
- Configuration required
- More memory space required (5-20 m) etc.

Purpose/objective & goals: -

- Provide the different service's In One website
- Crate app that is independent
- No configuration required
- Anyone can use it
- Less memory space required
- No installation required etc.

Literature survey: -

- **We take this idea from different booking service website and we analyses that the – they providing us one booking service only in their website**
- **Couple of YouTube tutorial.**
- **Some website.**

Project scope & Limitations: -

Scope: -

- **Anyone can use easily in their devices easily.**
- **You can book ticket easily**
- **No need to install another app for booking any other tickets**
- **It is helpful for professional works.**
- **It is also helpful any events and so on.**

Limitations:-

- **You should have chrome Browser install in your device**
- **You have to make Sure that your internet connection is on.**

2. System Analysis

Existing systems: -

This app is available but it is platform dependent. It required Operating System (android/ios/Browsers), also it provides one booking service in website. But we provide other booking service also.

Project perspective/ Features: -

- You can book -your ticket
- You can also perform CRUD operations.
- Easy to use any time anywhere.
- Good performance etc.

Stakeholders: -

- Students can use this for booking the trip tickets
- Employees can also booking tickets holidays with family's
- Professional work purposes so on.

Requirement analysis: -

Functional Requirement: -

- Insert booking
- Delete booking
- Stored booking
- Complete /Incomplete booking task management.

Performance Requirement: -

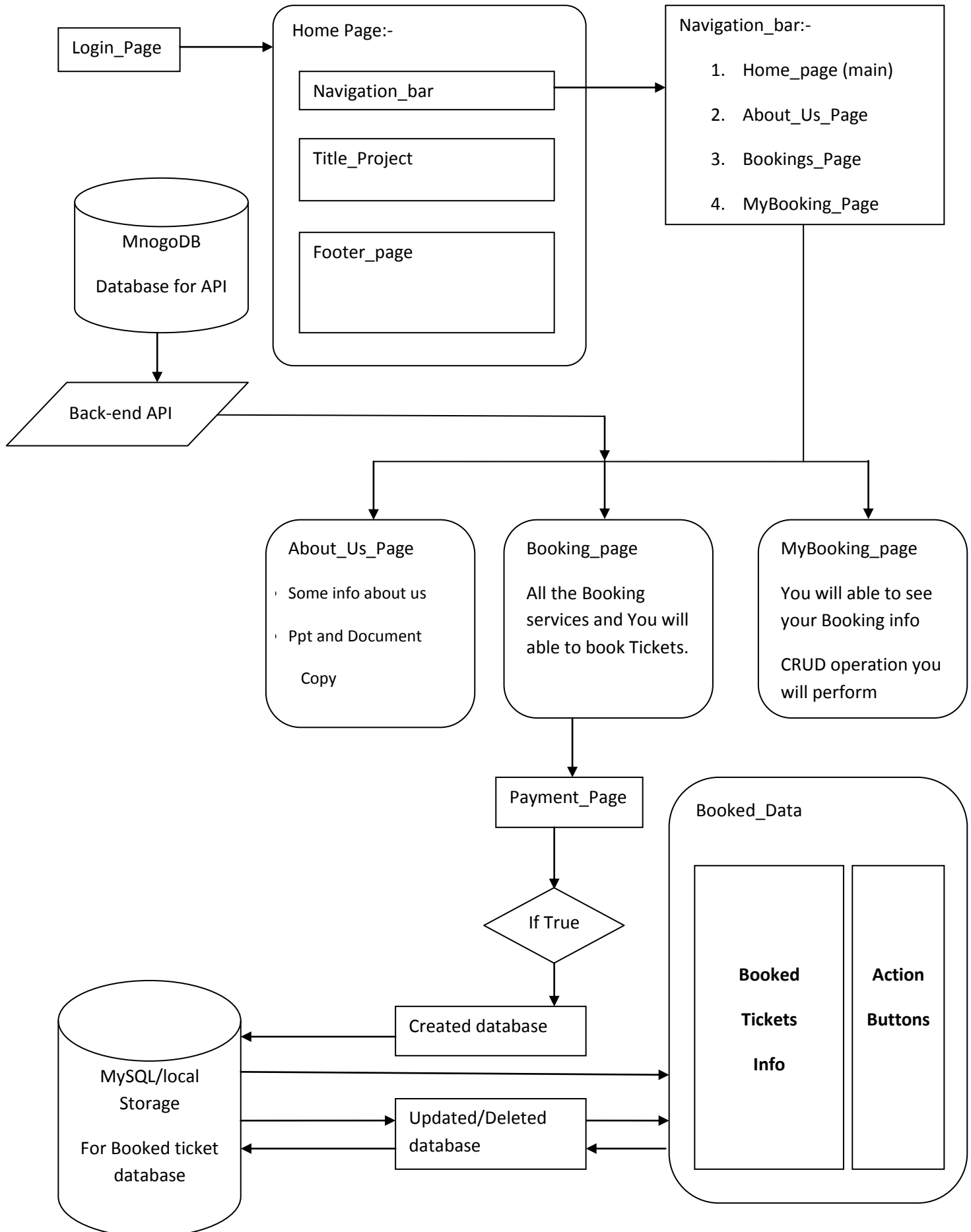
- Updated browser
- Internet connection for better user interface

Security Requirement: -

- Sing in to your Google account for safety of data that will store you data in MySQL /local storage
- Your data will be stored in array or json format
- Only you can see your data.

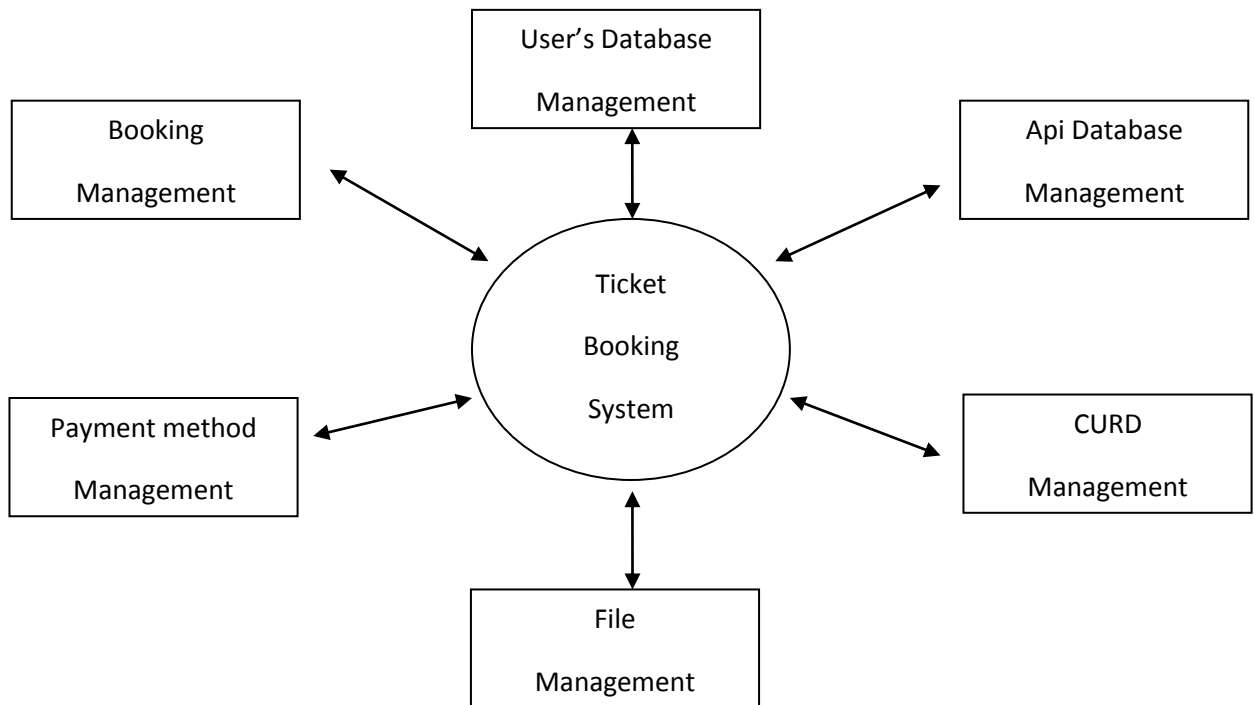
3. System Design

Design constraints: -

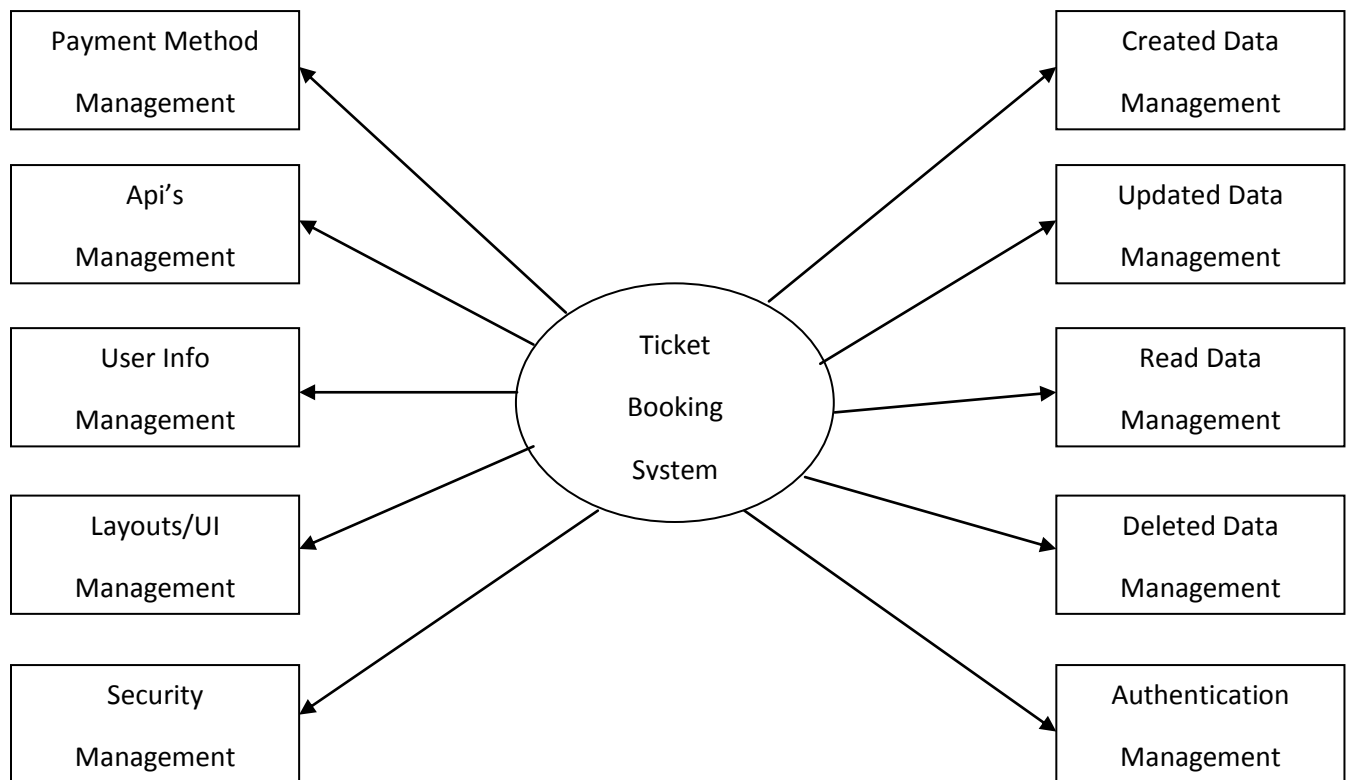


System Model DFD /Data Model: -

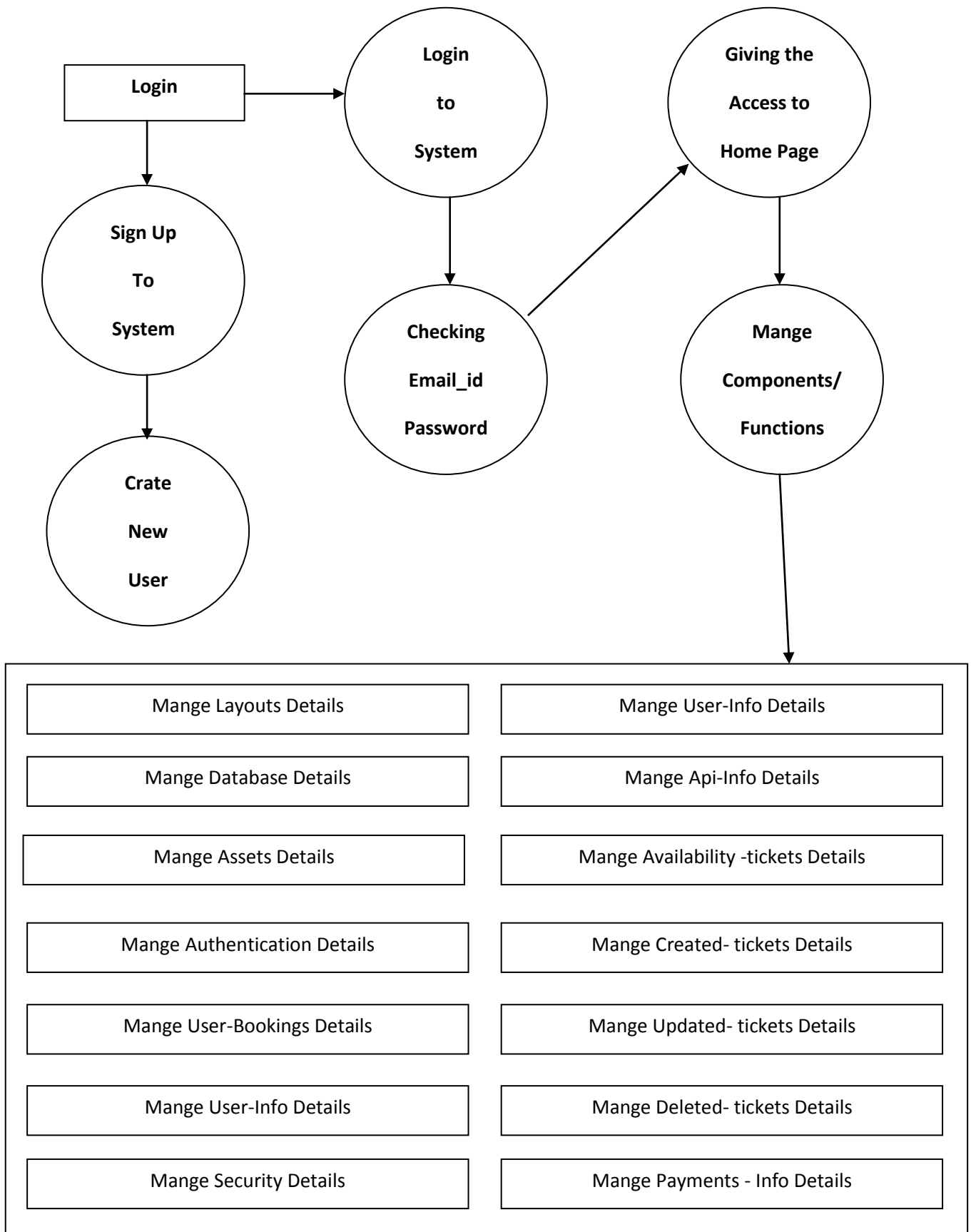
Zero level DFD: -



First level DFD: -

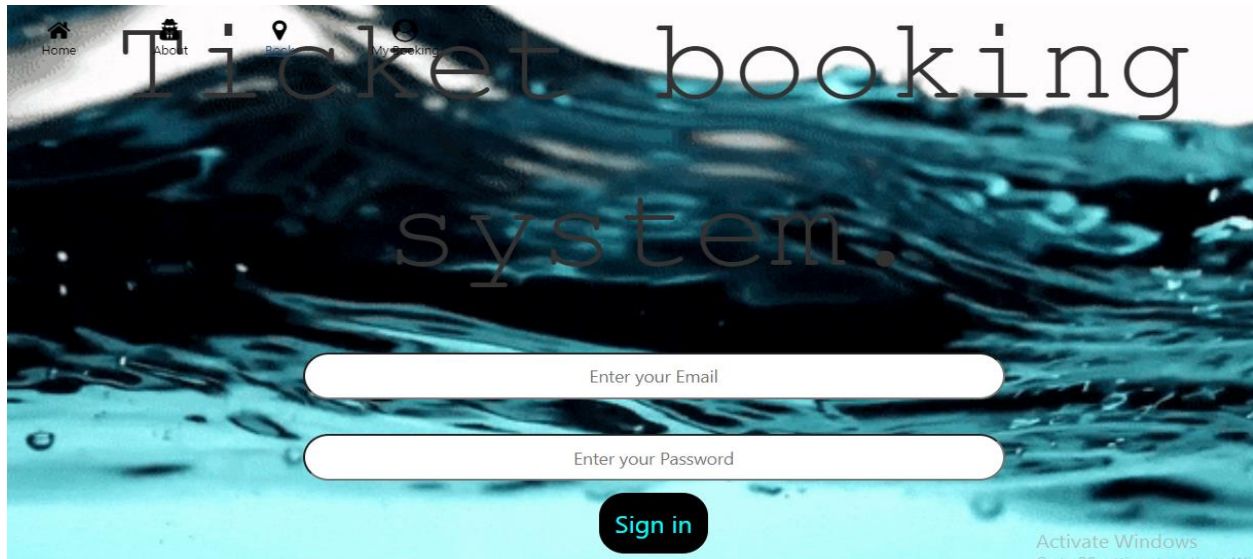


Second level DFD: -



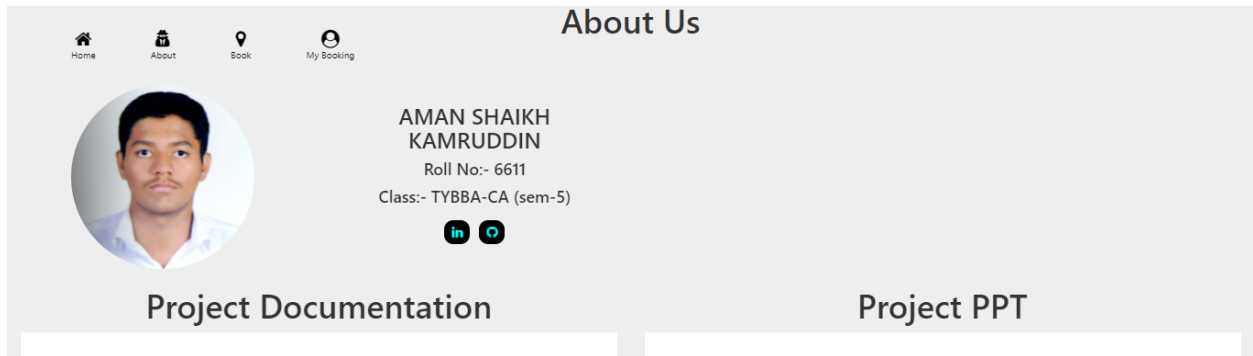
User Interface: -

Login Page:-



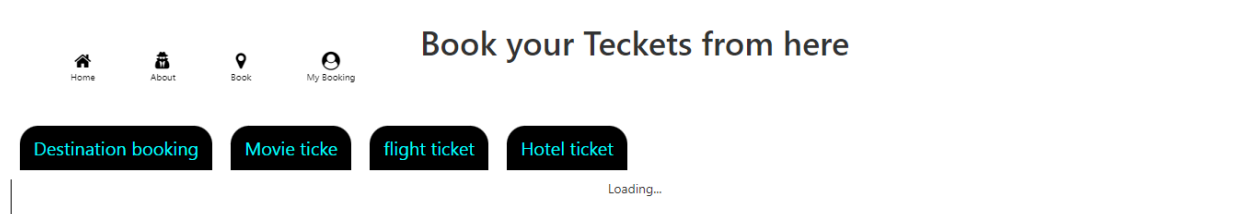
The login page features a dark blue background with a water ripple effect. At the top left, there is a navigation bar with icons and labels for 'Home', 'About', 'Book', and 'My Booking'. The main heading 'Ticket booking system.' is displayed in a large, light blue font. Below the heading, there are two white input fields: 'Enter your Email' and 'Enter your Password'. A black 'Sign in' button is positioned below the password field. In the bottom right corner, there is a small 'Activate Windows' watermark.

About Us Page: -



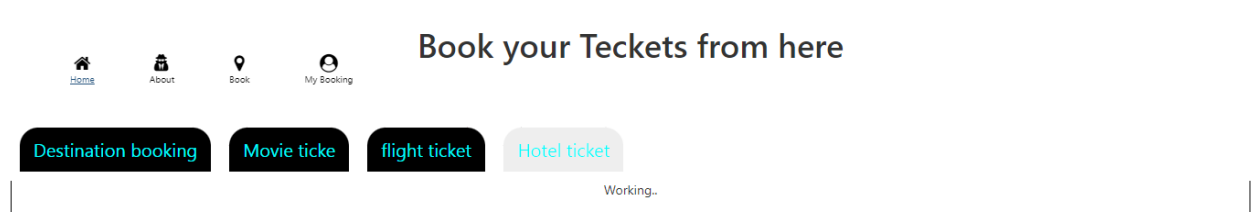
The 'About Us' page has a light gray background. At the top left, there is a navigation bar with icons and labels for 'Home', 'About', 'Book', and 'My Booking'. The main heading 'About Us' is centered at the top. Below the heading, there is a circular profile picture of a man. To the right of the picture, the text reads: 'AMAN SHAIKH KAMRUDDIN', 'Roll No:- 6611', and 'Class:- TYBBA-CA (sem-5)'. Below this text are two small social media icons (LinkedIn and GitHub). At the bottom, there are two buttons: 'Project Documentation' and 'Project PPT'.

Fetching API: -



The 'Fetching API' page has a light gray background. At the top left, there is a navigation bar with icons and labels for 'Home', 'About', 'Book', and 'My Booking'. The main heading 'Book your Teckets from here' is centered at the top. Below the heading, there are four buttons: 'Destination booking', 'Movie ticke', 'flight ticket', and 'Hotel ticket'. Below these buttons, there is a 'Loading...' status indicator.

Working API:-



The 'Working API' page has a light gray background. At the top left, there is a navigation bar with icons and labels for 'Home', 'About', 'Book', and 'My Booking'. The main heading 'Book your Teckets from here' is centered at the top. Below the heading, there are four buttons: 'Destination booking', 'Movie ticke', 'flight ticket', and 'Hotel ticket'. Below these buttons, there is a 'Working..' status indicator.

Booking Data: -



Home



About



Book



My Booking

Book your Teckets from here

Destination booking

Movie ticke

flight ticket

Hotel ticket

Bali Indonesia



best place for family holidays

Price: 30000, Per person:1

Book Now

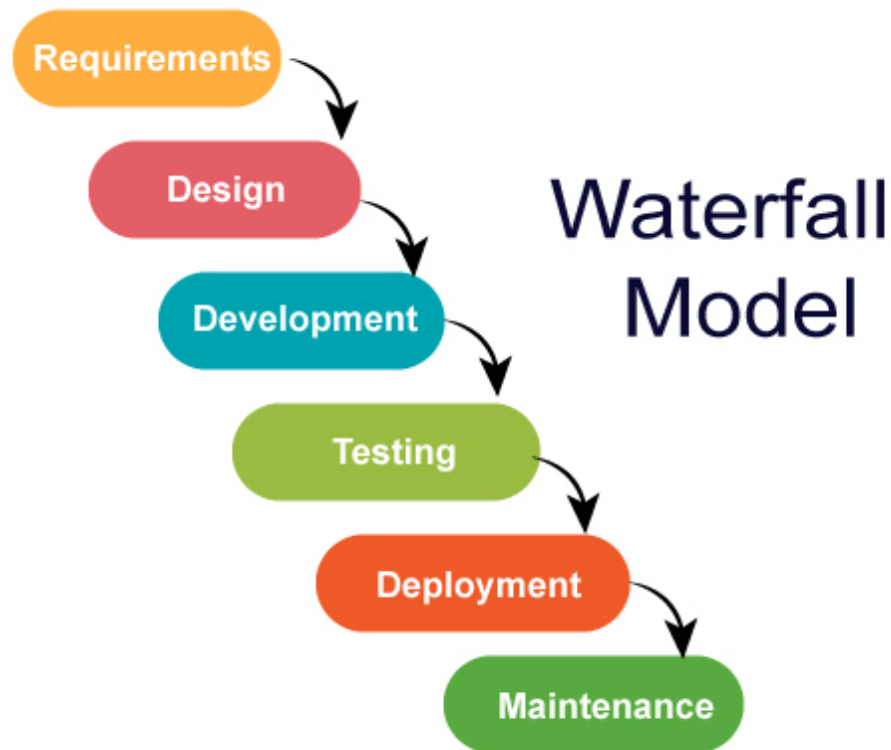
4. Implementation Details

Software/Hardware specifications: -

- ✓ Make sure your internet Connection is on (for better performance)
- ✓ Make sure you inserting the correct details
- ✓ Make sure you are using updated chrome Browser.

SDLC: -

We are working with Waterfall SDLC model



We are Moving step by step through the phases of Requirement analysis, system Design, implementation, testing, Deployment and maintenance.

Use cases for the Waterfall SDLC model:

- The requirements are precisely documented
- Product definition is stable
- The technologies stack is predefined which makes it not dynamic
- The project is short

Front-end : -

- For web page frontend we are using basic technology's
- For layouts we are using HTML, CSS
- We are using React js framework for Single Page Application.
- For responsive web we are using Bootstrap in react js
- Some Icons from font awesome icon pack
- Some 3rd party liberty's for fonts, images etc.

Back-end: -

- For Backend we are using Node js For creating CRUD operations
- Api's also created using Node js Express js

Database: -

- For Database we are using MySQL for user info storing
- For storing API database we are using mongo DB
- For authentication We are using firebase.

5. Testing

Test Plan: -

1. We are testing the front end
2. We are testing back end logics with the help of developer tool of the chrome Browser.
3. We are checking. Is the data is stored properly in MySQL/local storage.
4. Then we are deploying Api using Heroku.

Problem Identification: -

First Testing: -

- We are unable to Book ticket
- Facing Issue in Api Connection

Second Testing: -

- Unable to store user Booking data in Database

Black Box Testing or Data Validation test Cases: -

Testing Check-Point:-

- ✓ Responsive Web
- ✓ Performance is good
- ✓ Take less space
- ✓ CRUD operation is working

White box testing or Functional validation test Case: -

- ✓ Functionality is good
- ✓ Logics and formal ok
- ✓ All the components are secreted

Note: - Working On Errors

Results: -

Backend API Links: -

- Place Api Lnk: - <https://place-apis.herokuapp.com/products>

6. Final Reporting's

Aim: -

To create a Ticket Booking System App using Full stack Development Methodology.

Objectives: -

- Understanding of how “Tickets Booking System” works and how to create.
- Working with API and Database management
- Designing – Testing of project Etc.

Description: -

Created the Ticket Booking Management System for Multiple Bookings in one website.

Summary: -

We have learned about Ticket Booking Management. In that what is Front end, Back end and Deployment and their Skills Requirements and Roles and Responsibility Their Advantages/Disadvantages/definition.

In project we have learned how to crated, Design, Test Deploy the project

We have also work with Hypertext Markup Language (HTML), Cascading Style Sheet (CSS), Bootstrap Content Delivery Network (CDN) link, React js for crate- read- delete the data and stored in “MySQL and Local Storage.

7. Future Scope/Enhancement

- We are Trying to adding Multiple Ticket Booking Services
- Also working on Advance APIs in node js
- We will also work on Authentication and user data security.
- More Responsive, Good user interface also possible.
- Also trying to add Secure Payment methods.

8. Conclusion and References

Conclusion: -

In this project we have learn how to Create Ticket booking System with Help of Front-end, Back-end & deployment Technology and create/work in group in the particular project.

References: -

We have taken some reference from Medium.com for documentation. And some other resources we have use like YouTube video, stack overflow etc.

https://www.researchgate.net/publication/342466860_A_PROJECT_ON_ONLINE_TICKET_BOOKING_SYSTEM

<https://javascript.plainenglish.io/how-to-create-a-ticket-booking-interface-using-react-js-a2df17184f8>