Parshvanath Charitable Trust's
A. P. SHAH INSTITUTE OF TECHNOLOGY, THANE
(All Programs Accredited by NBA)
Department of Information Technology

FLIGHT BOOKING SYSTEM

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Project Guide
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1. Introduction

❖ Problem Statement :

➢ Manual booking process:

- Many airlines still rely on a manual booking process which is time-consuming and prone to errors. An automated booking system can help to streamline the process and reduce errors.

❖Solution Proposed :

➢ An automated booking system:

- Faster and more efficient booking process
- An automated booking system can enable customers to search for and book flights quickly and easily, reducing the time and effort required for the booking process.

2. Objectives

- To manage the details of Airlines Ticket,Flights,Customer,Booking Counter,Venders. It manages all the information about Airlines Ticket, Bookings, Venders, Airlines Ticket.
- User friend lines provided in the application with various controls.
- The system makes the overall project management much easier and flexible.
- To provide high level of security with different level of authentication.

3. Scope

- The project has a wide scope, as it is not intended to a particular organization.
- This project is going to develop generic software which can be applied by any business organization. More over it provides facility to its users.
- The system includes modules for managing flight schedules, ticket booking and reservation, check-in, passenger information, seat allocation, baggage handling, and payment processing.
- The system enables customers to browse available flights, view flight schedules and fares, select seats, make reservations, and purchase tickets online or through other booking channels such as travel agents or airline ticket offices.

4. Feature /Functionality

- Highly customizable system
- Provides the searching facilities based on various factors. Such as Airlines Ticket, Customer, Booking Counter, Venders.
- Fare display: The system should display the fares for each flight along with any applicable taxes, fees, and charges.
- Booking and payment: The system should enable users to book and pay for their flight using a secure payment gateway.
- Flight search: The flight booking system should allow users to search for flights by entering their travel details such as the departure and arrival cities, travel dates, number of passengers, and cabin class.

5. Outcome of Project

Below are the steps to describe how a new user will execute the proposed interface.

1] For booking the customers has to sign-up or sign-in and enter the passenger details.

2]Then they have to select the start and end destination which will give the number of flight available as the output.

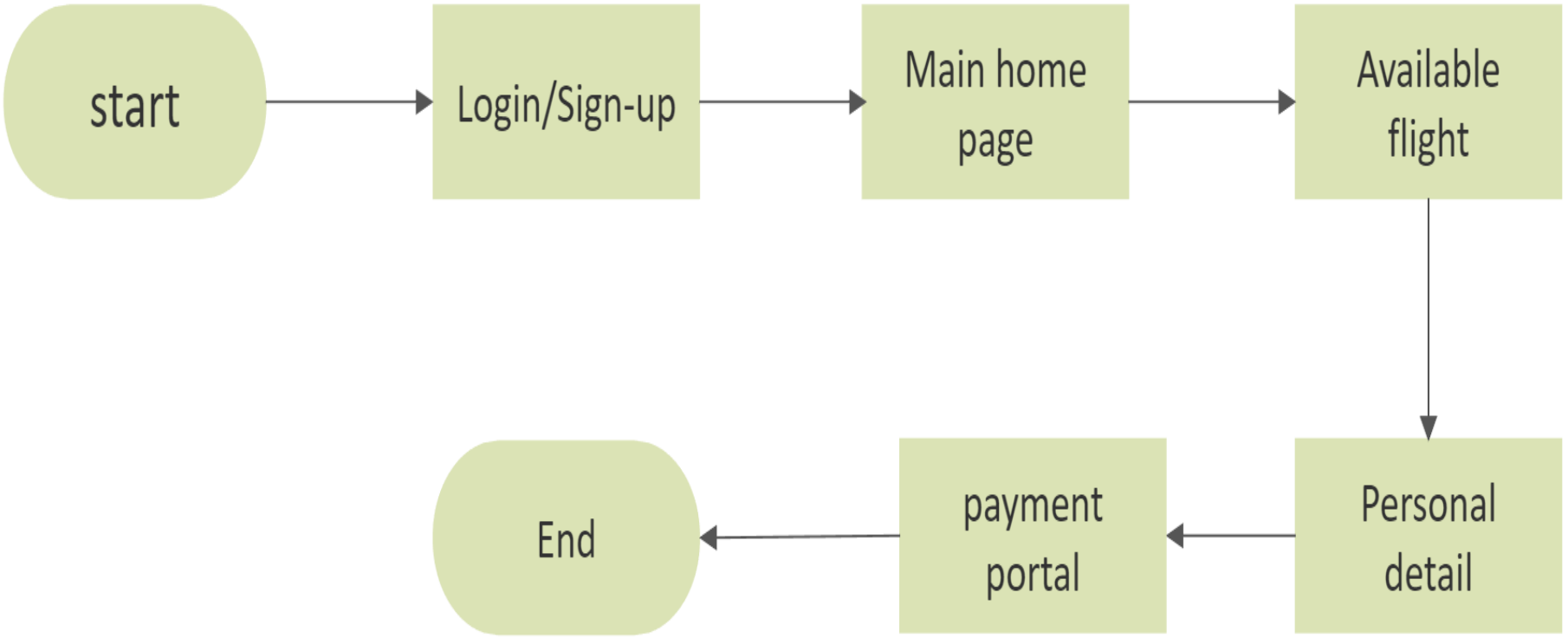
3]The user has to fill personal detail, type of class, number of passenger there are with them to book the ticket.

4]Then customer has to make payment through online payment portal.

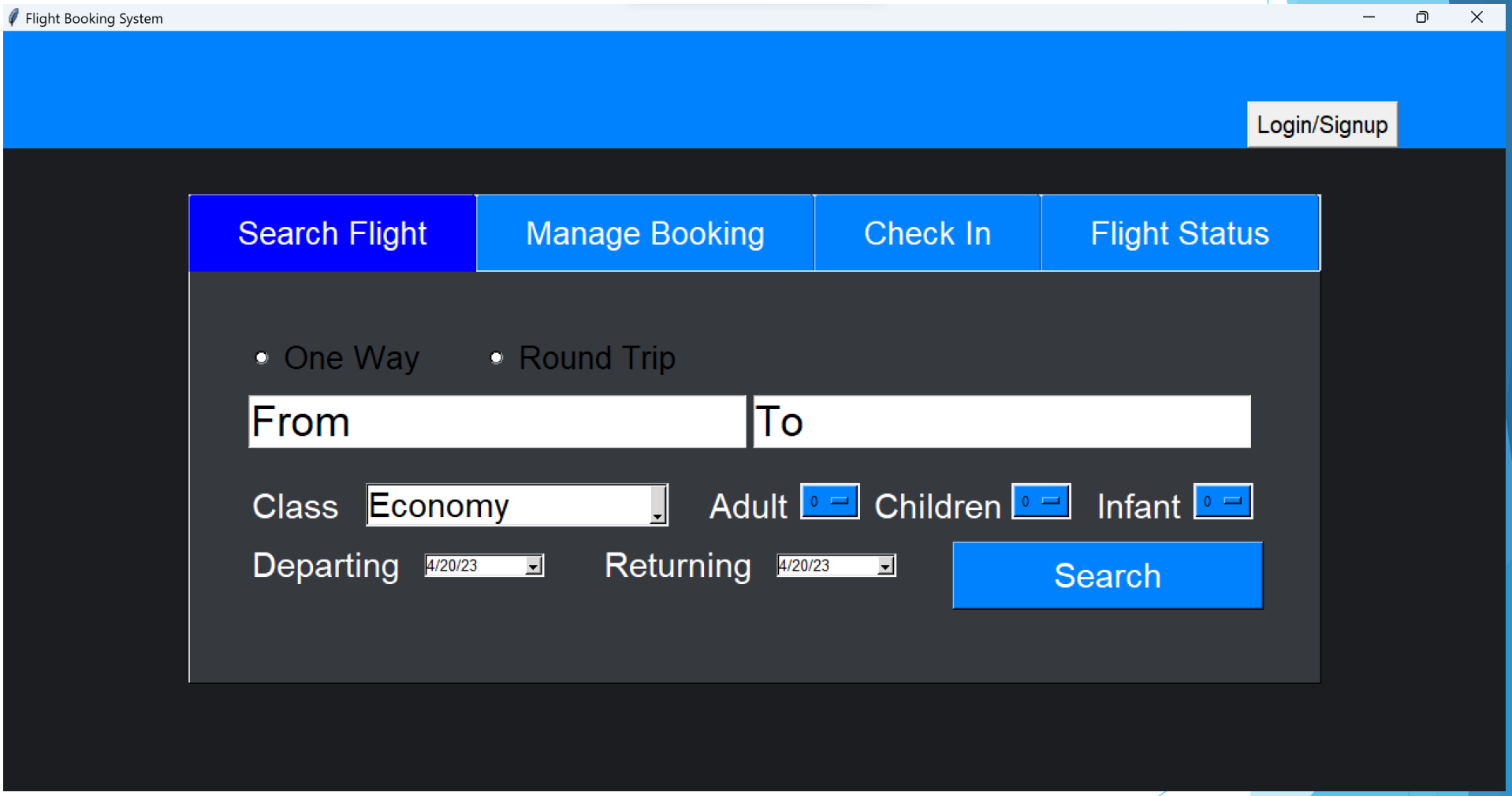
6. Technology Stack

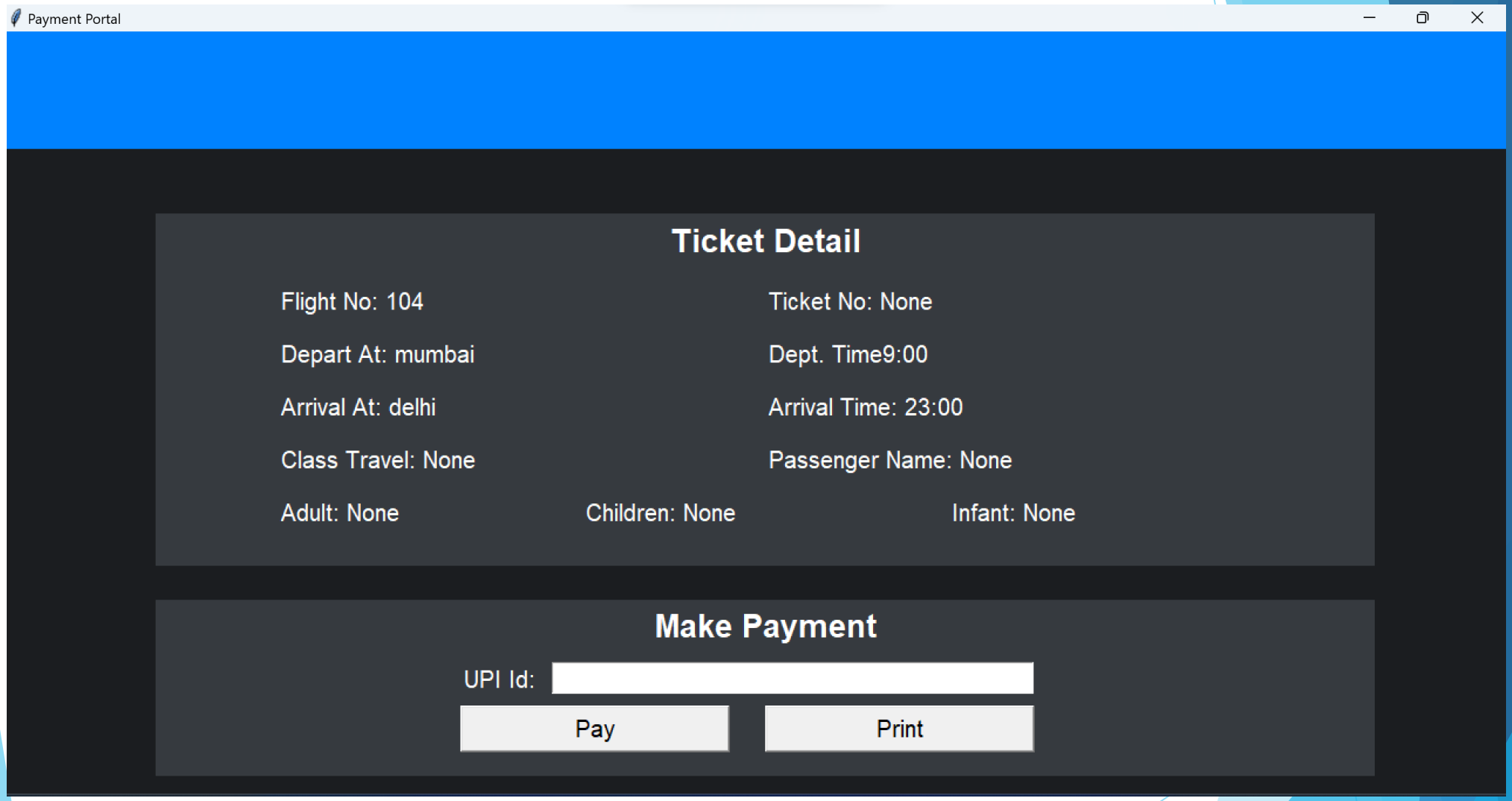
- Language used: Python.
- It is a simple airline ticket reservation system which uses tkinter to build up a GUI and *SQLite database* to store the signup information of a passenger.
- It uses different *modules of tkinter* to build a reservation system using button, label, message box, entry, frames and title.
  Ttk.tkinter to build a reservation system using button, label, message box, entry, frames and title.
- Use fpdf to create pdf.

7. Block Diagram/ Flow Chart



- # TEMPLATE


Flight Booking System
Login/Signup
Search Flight
Manage Booking
Check In
Flight Status
One Way
Round Trip
From
To
Class
Economy
Adult
0
Children
0
Infant
0
Departing
4/20/23
Returning
4/20/23
Search


Payment Portal
Ticket Detail
Flight No: 104
Ticket No: None
Depart At: mumbai
Dept. Time9:00
Arrival At: delhi
Arrival Time: 23:00
Class Travel: None
Passenger Name: None
Adult: None
Children: None
Infant: None
Make Payment
UPI Id:
Pay
Print

Thank You...!!