PSC Project
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Files:
   PSC_Project.py   (code file)
   Train.txt   (file with details of all Trains)
   Station.txt   (file with details of all Stations)
   Schedule.txt   (file with details of all Train Schedules)

File to Run:
   PSC_Project.py
   Command: (in command prompt)
         py PSC_Project.py

Project Description:
   Packages Used:
         tkinter
         tkinter.messagebox
         tkinter.font
         tkinter.ttk
   No additional packages are to be installed as these are inbuilt modules
of tkinter.

Features of the project:
   Our project is based on Railway Management System where there are
main three options to select from: (i) Administrator (ii) Employee and (iii)
Customer. Each has their own windows which contain their functionalities.
Administrator and Employee also have a login window to prevent changing
their functionalities without a valid password. The functionalities of each are as
mentioned below:
   (i)   Administrator:
         • Add Employee:
               To add a new employee to the system
         • View Employee:
               The list of all employees in the system is shown.
         • View Train:

The list of all trains in the system is shown. It reads the data from the Train.txt file.

- View Station:
  The list of all stations in the system is shown. It reads the data from the Station.txt file.
- View Schedule:
  Schedule of all the trains along with their route and timing is shown in table form. It reads the data from the Schedule.txt file.

(ii)   Employee:
- Add Station:
  New Station is added to the system along with total number of platforms on that station. After adding any station the Station.txt file will be updated.
- View Station:
  The list of all stations in the system is shown. It reads the data from the Station.txt file. This also has a delete function which deletes the data of any particular station from the system. After deleting any station the Station.txt file will be updated.
- Add Train:
  New Train is added to the system along with total number of seats in the train. After adding any train the Train.txt file will be updated.
- View Train:
  The list of all trains in the system is shown. It reads the data from the Train.txt file. This also has a delete function which deletes the data of any particular train from the system. After deleting any Train the Train.txt file will be updated.
- Set Schedule:
  New schedule of a train is added to system. After adding any schedule the Schedule.txt file will be updated.
- View Schedule:
  Schedule of all the trains along with their route and timing is shown in table form. It reads the data from the Schedule.txt file .This also has a delete function which deletes the data of any particular train schedule from the system. After deleting any Schedule the Schedule.txt file will be updated.

- View Tickets:
  Tickets are sorted in two tables depending upon the status of the ticket: Confirmed Tickets and Not Confirmed Tickets
- Confirm a Ticket:
  By default all tickets are not confirmed when booked hence an Employee has to confirm any ticket by entering the ticket number

(iii) Customer:
- Book Ticket:
  A new ticket is booked by entering necessary details like name, number of seats, and schedule to be booked.
- View Ticket status:
  As all the tickets initially are by default not confirmed, customer can view their ticket status by entering their ticket number. This also has a cancel ticket option which cancels the searched ticket

For Execution of the Code follow the below link

https://youtu.be/m56A7KjdJL0