ABC Travels
Your Travel Organizer

A new **Travels and Logistics** company wants to *automate their booking operations*, for that they need an *application* which performs following operations.

❖ **Note** : *This should be a completely dynamic menu driven application*.

❖ This use case should be done only with the **core java concepts** and **Collection API**(Majorly List,Map APIs).as there is no *DataBase* involved here.

1)When the user logs into the application (i.e When JVM starts ,Company **logo** should be displayed in the **console** (can use : file from local disc and display the logo)..

2)If the logo successfully loads then only continue ahead and show the following menu options to the user.

1)**New Admin user Registration**.
- Users must provide the following details.
    a)first name
    b)last name
    c)MobileNumber
    d)Gender
    e)E mail Id.
    f)password
    g)failedCount(Backend purpose)
    h)accountStatus(Backend purpose)

2)**Lock Account**.
If there are more than 5 invalid logins , the account should be LOCKED. .

3)**Plan Journey** : Users can select **source and destination** followed by **travel date** and **the number of passengers**.
    1)**validate** date ,source and destination along with travel date and vacancies.

    2)Generate the **bill** based on fare from source to destination and the number of users.

3)*If travel days are **weekends, surge** the **price by 200 and apply gst on it**.*

4)**Once booking confirmation is shown in the console , the user should be redirected to the home screen console with all the options again.**

5)**Allow the user to edit travel date (Rescheduling feature)**

- ❖ **Note :** Please do all possible **exception handling mechanisms** to handle **run time exceptions** and show some **user friendly messages**.
- ❖ Use **java8 local date features** to capture the date and leverage the methods inside it.
- ❖ Try to re use the methods and **maintain the code quality.**
- ❖ Maintain **proper system loggers** (Sys outs) for better understanding.
- ❖ You can add any additional features / checks apart from given.

All the best!