



Booking Management System

This project deals with booking event tickets, restaurant reservations along with cab booking.

Group No. 18

Shiv Nadar University

Greater Noida

Uttar Pradesh, 201314

Overview

This is a part of the College project held under the guidance of Ms Pooja Malik. This project deals with the booking of tickets at various movie theatres, events, stand-ups, restaurants

along with cab facilities. It is implemented on cities based collaborative filtering. For this, we have initially introduced several metropolitan cities having robust facilities at its dispense.

Goals

1. The project aims to reduce the trouble of the customer with hassle-free booking.
2. We have introduced various facilities and aim to further diversify this in future.

Specifications

We have implemented **data file handling** for storing our database. It has been widely used throughout the project. Along with this, we have used various types of data structures elements naming a few- **trees(linked list),adjacency matrix,recursion, arrays, & pointers**. We have implemented superuser access for admin for changing of seats which is password protected.

User Front

On the user side, we start with the option of event booking which itself consists of movie, stand-up and concert booking, also intercity cab booking and restaurant order sequentially. We have initially introduced several metropolitan cities and based on feedback we'll look forward to adding various functionalities.

Milestones

I. Event Booking System

(DS used: Trees)

We have introduced a hierarchical system. Firstly it will ask for the city to be entered, upon entering a city where the service exists. It will ask for selection of services ranging from movie tickets booking to stand-up shows to concerts. Upon selection of service, it will show our partner cineplexes, concert halls and arenas. Upon selecting a cineplex, it will show the premiere shows. On choosing a show, it will redirect to seat booking which also contains various types of seats (platinum, gold and silver). After selecting the seats it will calculate the cost and display it for the user all without even a touch!

II. InterCity Cab Booking

(DS used: Adjacent Matrix)

We have started with an intercity cab booking which asks for the source and destination and will give various cab options varying from cheap Uber X to luxurious Uber LUXURY cabs. Upon selecting a cab it will ask for confirmation after which it will book a cab and will display the fare.

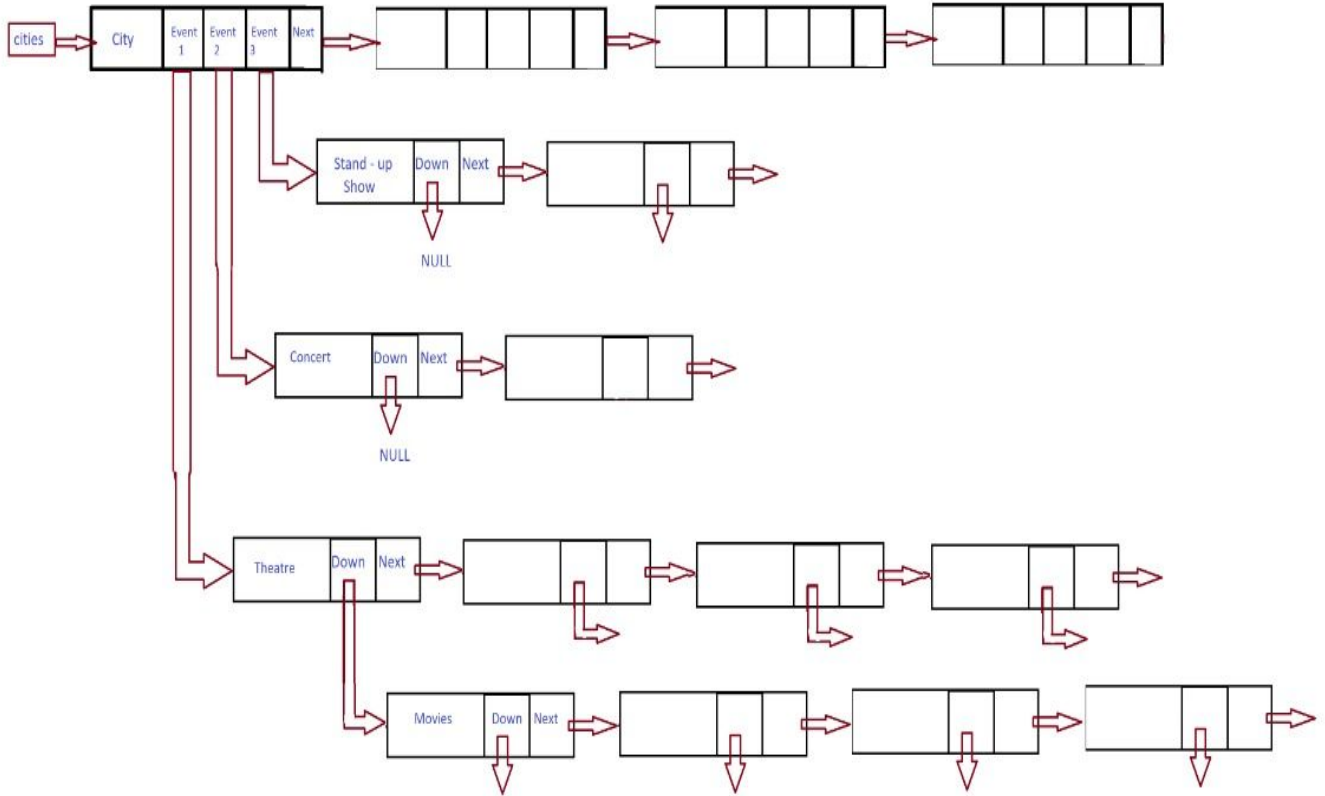
III. Restaurant ordering

(Fundamental Used: Recursion)

This service is for food booking. It serves your menu based upon your diet if you're non-vegetarian or vegetarian. Upon choosing a dish, it will ask for the quantity and if you want to order anything else. Upon confirmation, it will print the bill.

Gist

Here is the graphical representation of our data structure used in this project. Each level represents a different hierarchical level.



Contributions

The Team consists of the following members along with the work done in the following project:

Diya Sachdev (Roll Number:1910110140)

(CSE DEPT.)

Functions made: Adding standup, admin-level editing, booking of passes, concert and standup file handling, void main compilation

Ayush Jagga (Roll Number:1910110106)

(CSE DEPT.)

Functions made: Adding Cities ,Adding Events, cab booking, restaurant function, movies file handling , void main compilation

Akarsh Tyagi (Roll Number:1910110040)

(CSE DEPT.)

Functions made: Adding of Concert , editing of movies, billing of events , restaurant file handling , void main compilation

Ayush Varma (Roll Number:1910110108)

(CSE DEPT.)

Functions made: Adding of Movies , editing concert, booking of Ticket , food menu, summary of project file

Hardik Gaba(Roll Number:1910110154)

(ECE DEPT.)

Functions made: Addition of Theatre, editing of standup, displaying seats for movies , making of readme file

