

## **Basics of Programming 2**

### **Final Project Check-point**

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Project name:

#### **Ticket Booking System of a Bus Company**

Until now I have created two classes with different attributes and methods. One of them is for bus. In which there are attributes of a bus, like, id for the bus, starting and ending location, starting and ending time of the journey, total seats, remaining seats, seat price etc. Also, it has methods which will return these values, such as `getbus_id`, `get_location` etc. Also methods like input values from the user and showing values on the console output. File handling is included to store information about buses. Also, I have some more plans with this class to make some more useful methods.

I have created another class which is for ticket. This class includes attributes for the passenger, like their name and all possible personal information. Passengers' phone no. will be their main identification factor, as it is unique. As far, I have created two main methods for this class. One is to generate ticket and another one is to show the ticket and bus details. Also, I have included file handling here, to store the information of passengers.

I have partially created a class for the menu, which will display the options for user to select in the console output. Maybe I can also include this in the main part if it seems effective. Also, I want to create a separate part for the user and admins. Because only admins can create records for buses. Currently, I am working with the file handling, to match current user input with previous input. Though I submitted the idea only for ticket booking, but I hope to create an effective bus company management system by the end of the deadline.