

CLASS STRUCTURE FOR TICKETBOOKINGAPPLICATION

Class Person

```
{  
char name[100];  
long int phonenumber;  
int age;  
char gender[100];  
long int adharno;  
void update_details(){ }  
}
```

Class User_Details extends Person

```
{  
int user_id;  
void generate_user_id() { }  
}
```

Class Login_Details extends User_Details

```
{  
int password;  
void update_password(){ }  
}
```

Class Agency

```
{  
int agency_id;  
int availablebuses;  
char agency_name[100];  
void generate_agency_id(){ }
```

```
void update_details(){ }
```

```
}
```

```
Class City
```

```
{
```

```
int city_id;
```

```
char city_name;
```

```
void generate_city_id(){ }
```

```
void update_details(){ }
```

```
}
```

```
Class Bus_Details extends Agency, City
```

```
{
```

```
int bus_id;
```

```
int source;
```

```
int destination;
```

```
int d_time;
```

```
char type[100];
```

```
int totalseats;
```

```
void generate_bus_id(){ }
```

```
void update_details(){ }
```

```
}
```

```
Class Route extends Bus_Details
```

```
{
```

```
int r_id;
```

```
void generate_rid(){ }
```

```
}
```

```
Class Copassenger_details extends Person, Bus_Details
```

```
{
```

```
int cid;
```

```
void generate_copassenger_id(){ }
```

```
}
```

Class Driver extends Bus_Details,Person

```
{  
int driver_id;  
void generate_driver_id(){ }  
}
```

Class Ticket extends User_Details,Bus_Details

```
{  
int numberofseats;  
int booking_id;  
int date;  
int costperticket;  
void generate_booking_id(){ }  
void update_details(){ }  
}
```

Class TicketDetails extends Ticket

```
{  
int ticket_id;  
int seat_no;  
void generate_ticket-id(){ }  
void update_details(){ }  
}|
```

Class Type{

```
int type_id;  
char payment_type[100];  
void generate_type_id(){ }  
}
```

Class Payment_Details extends Type,Ticket_Details

```
{  
int pid;  
int amount;  
char status[100];
```

```
void generate_pid(){}
```

```
void update_details(){}
```

```
}
```

Class Cancellation extends Ticket

```
{
```

```
int nooftickets;
```

```
int amountrefunds;
```

```
void updatedetails(){}
```

```
}
```

