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Summer Training(SU21 - TR333-B-CS)

**Future University in Egypt**

**Faculty of Computers and Information Technology**

**Department of Computer Science**

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**Project Title:**

**Go-bus Reservation System**

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# Scope

Go-Bus Ticket Reservation System is a ticketing system which provides service of booking the tickets for passengers to travel anywhere through the country digitally.

The booking process has become easier, and within the reach of travelers, the user can select the city that he wants to travel to, and the available buses will appear to him.

Then they can reserve seats location they want, determine the number of tickets to be booked, the tickets are VIP or not, and the departure date and arrival date of the bus will be specified.

the number of seats available on each bus will be shown to the user and the workers on go-bus offices, and users will need to enter their credit card or pay in cash when they get to the pickup station.

The tickets will appear automatically, specifying dates and seats of the trip.

# Functional Requirements

* The user shall register to the system by entering his information (E-mail, Telephone).
* The user shall login to system with Email and password, the login process will not complete until the verify function is applied.
* Verify user is a function applied by sending a verification code to either mobile phone or email address.
* The System should generate a unique identification No. for each passenger that is to differentiate between passengers with similar data.
* The user shall select the departure station, the destination, And the travel date including their arrival and departure time.
* In case there are available seats, the user shall select number of seats and bus class (classic, super-go, deluxe-plus, elite). The better the class the more expensive the ticket gets.
* Users can pay tickets fees electronically using their credit Card.
* The System will notify the user with the reservation details via E-mail.
* Users can edit or cancel the ticket reservation and the fare will be refunded in case of cancellation within refund due date.
* The System should generate daily report of ticket booking and cancelation.

## 3.ERD

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