THE UNIVERSITY OF DODOMA

COLLEGE OF INFORMATICS AND VIRTUAL EDUCATION



DEPARTMENT OF COMPUTER SCIENCE.

CS : SOFTWARE DEVELOPMENT 2.

CS : Group Project.

Instructor:Madam

Course: Bcs.Computer Science.

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The system is very simple in design and to implement. The system requires very low system resources and the system will work in almost all configurations. It has got following features:

✓Needs a lot of working staff and extra attention on all the records.

✓Ensure data accuracy.

✓Records are efficiently maintained by DBMS.

✓DBMS also provides security for the information.

✓Any person across the world, having internet can access this service.

✓Availability of seats can be enquired very easily.

✓Passengers can also cancel their tickets easily.

✓Minimum time needed for the various processing

✓Better Service

✓Minimum time required

✓This would help the corporation prepare and organize its schedules more efficiently on the basis of traffic demand.

## Database design

### Conceptual design

**List of Entities:**

* BUS
* PASSENGER
* ROUTE
* RESERVE

List of attributes:

**BUS:**

* Bus ID
* Type(AC/Non AC, Sleeper)
* Fare
* Departure Time
* Arrival Time

**ROUTE:**

* Route id
* Origin
* Destination

**PASSENGER:**

* Passenger ID
* Username
* Password
* Name
* Mobile number
* E-mail

Constraints: Username should be unique

**RESERVE:**

* Ticket ID
* Seat
* Time Stamp
* Passenger ID
* Bus ID
* Date



