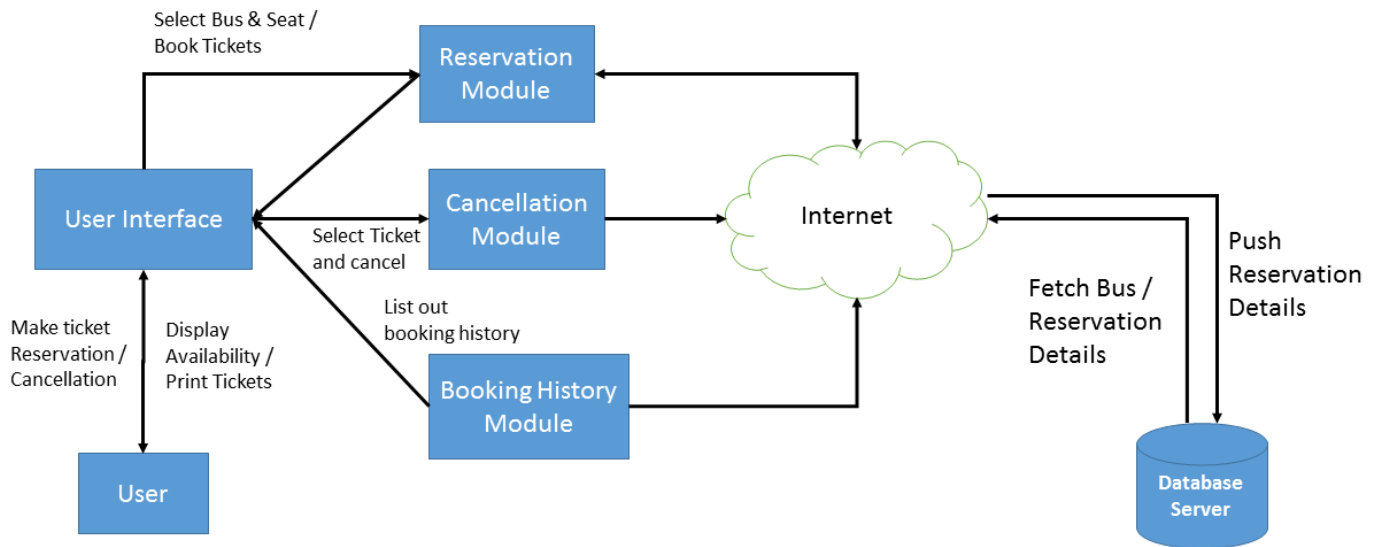


WEB-PROGRAMMING PROJECT ABSTRACT

AIM:

To create a Website which facilitates the Bus reservation. This system deals with maintenance of records of details of each passenger who had reserved a seat for a journey. It also includes maintenance of information like schedule and details of each bus.



DESCRIPTION:

This reservation system has three modules. First module helps the customer to enquire the availability of seats in a particular bus at particular date. Second module helps him to reserve a ticket. Using third module he can cancel a reserved ticket.

1. First module retrieves data from tables required for enquire.
2. Second module inserts values into the tables on reservation.
3. Third module deletes values into from the table on cancellation of tickets.

CONCEPTUAL DESIGN:

Requirement Analysis:

List of Entities:

1. BUS
2. PASSENGER
3. ROUTE
4. RESERVE

BUS-RESERVATION DATABASE STRUCTURE

BUS ----- Keeps records of bus information.

S No	Field name	Data Type	Description	Constraints
1.	BID	Number	Bus Identity Number	Primary key
2.	RID	Number	Route in which bus travels	Foreign key
3.	AC	Boolean	Type of bus. AC or Non AC	
4.	FARE	Number	Price of the journey	
5.	DEPTTIME	Char(6)	Departure time	
6.	ARRTIME	Char(6)	Arrival time	

PASSENGER----- Keeps record of passengers.

S No	Field name	Data Type	Description	Constraints
1.	PID	Number	Passenger Identity Number	Primary key
2.	NAME	Char(40)	Name of passenger	
3.	MOBILE	Number	Mobile number of passenger	
4.	EMAIL	Char(32)	Email id of passenger	
5.	USERNAME	Char(20)	Username to log into application	
6.	PASSWORD	Char(20)	Password to log into application	

RESERVE: Keeps reservation information.

S No	Field name	Data Type	Description	Constraints
1.	TID	Number	Ticket number	Primary key
2.	RID	Number	Route Identity Number	Foreign key
3.	PID	Number	Passenger Identity Number	Foreign key
4.	DT	Date	Date of journey	
5.	TSTAMP	Date	Date of reservation	
6.	SEAT	Number	Seat number	

ROUTE: Keep route information.

S No	Field name	Data Type	Description	Constraints
1.	RID	Number	Route Identity Number	Primary key
2.	ORIGIN	Char(15)	Starting point	
3.	DESTINATION	Char(15)	Destination point	

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