

1. Write an XML program for any one of the scenario listed below with suitable elements identified by you (4 marks)
2. Write an XSD and validate the same (5 marks)
3. Display and sort data using a particular condition in the form of a table (5 marks)
4. Insert XML into database (6 marks)

A sample is given below for your reference:

“Xml for bank account details of customer with name, account number(branch, type, year,number), contact number and mail id. (4 marks) 1.write xsd (5 marks)2. Display those have loan greater than 50000 and sort and display using table. (4 marks)3. Display the number of accounts available in a branch (2 marks) 4. Insert xml into database (5 marks) “

Scenarios to be used (any 1 of your preference)

1. Create a payment wallet like PAYTM

Should allow linking multiple accounts. Fund transfer should be enabled between the PAYTM account and linked accounts.

Payment from wallet should be enabled for purchases.

2. Expense Tracker

Application should be able track the incoming text messages, process it and classify them in four-five different categories.

User should be able set category-wise spend limit and application should alert the user when the limits are breached.

3. IOT-based Cardless ATM (bluetooth)

Application should individually identify the presence of multiple mobile phones as each phone comes within the vicinity of the ATM.

Application should selectively open an app to indicate the phone that it has been detected and prompt the user to enter the password in the ATM.

4. Create an online-banking application

Should allow display of multiple accounts with balances and recent transactions.

Should allow the user to perform a few banking transactions.

5. Create an application for cab-hire (like UBER)

Should allow linking multiple accounts. Fund transfer should be enabled between the UBER account and linked accounts.

the application should show the cars (other available UBER phones) that are located near the user's phone and activate the nearest available phone.

6. Create an application for airline seat selection and issuing boarding pass

Allow the user the enter the ticket information and enable the user to select one of the available seats, ensuring that there are no conflicts with two users trying to select the same seat.

After the check-in is complete, issue a boarding pass with a scannable code that can be scanned by the agent's phone and board the passenger.

7. Create an application for booking seats in a cinema theater

Allow the user to select one or more of the available seats and buy tickets for a cinema, ensuring that there are no conflicts with two users trying to select the same seat(s).

After the purchase is complete, issue a ticket with a scannable code that can be scanned by the ticket checker and allow the user to enter the cinema.

8. IOT-based Store Offers (bluetooth)

Application should be able to track users location within the shop using IOTs.

Application should have a list of products on sale that are in the isle where the user is walking. Should be able to prompt the users with these offers on his/her phone.

9. Shopping application

User should be able search for products using some criteria and search phrases to list the filtered products.

User should be able to select products into a basket and checkout.

10. Hotel table and menu selection app.

Should allow the customer to create a group and invite other registered users to join the group (using the phone # as the reference).

Should allow the customer book a table and all invitees to select items from the menu at any time, even before entering the hotel.