

SDLC ASSIGNMENT-1 (Saurav Sharma)

Q1) What is software? Explain software engineering.

- Software is a special application which is made by the user by giving the commands to the computer, it performs a special task of operations according to the user's needs.

The field in which we make the use of software in our day to day life to perform multi tasking and time taking works in less amount of time with perfect accuracy, we need the help of these software, and to make the software run, we give commands to the computer.

These all things comes in the field of software engineering.

Q2) Explain types of software.

- system software : in these types of software, the task are performed to run the hardware parts of the system, or the computer.

Also known as low level software.

Mainly used between the user and the hardware part.

For example : - operating system

Android, ios, Linux, Ms windows, Mac OS

Also the driver of motherboard

- Application software : in these types of software, the user gives the set of instructions to the computer to perform the required task.

For example :

Ms word for making notes

MySQL for use in database

VLC media player for playing media.

Q3) What is SDLC? Explain different steps in sdlc.

~ Sdlc is also known as software development life cycle, which consists of different steps in the development of a software. These steps are used for the efficient working of a software according to the client's need.

Various steps in sdlc are :

~ Planning : the developer discusses about the requirements of the client's for the required software.

~ Designing : the engineer then plans the software user interface.

~ Development : then the language part comes, when the engineer writes the codes using different computer languages in frontend and backend technologies along with the frameworks.

~ Testing : the team will then test the program and find for the bugs and errors in the codes.

~ Debugging : the bugs and errors are then removed and solved for the program.

~ Release : the software engineer team then releases the particular software for the users.

~ Maintenance : constant updates of the software are being released by the developer team if there are some changes needed.

Q4) What is user case diagram.

~ user case diagram is a chart representation of the websites content that is accessible by the user side in the website, or the information which is accessible for the user and also admin.

Q5) Data flow diagram :

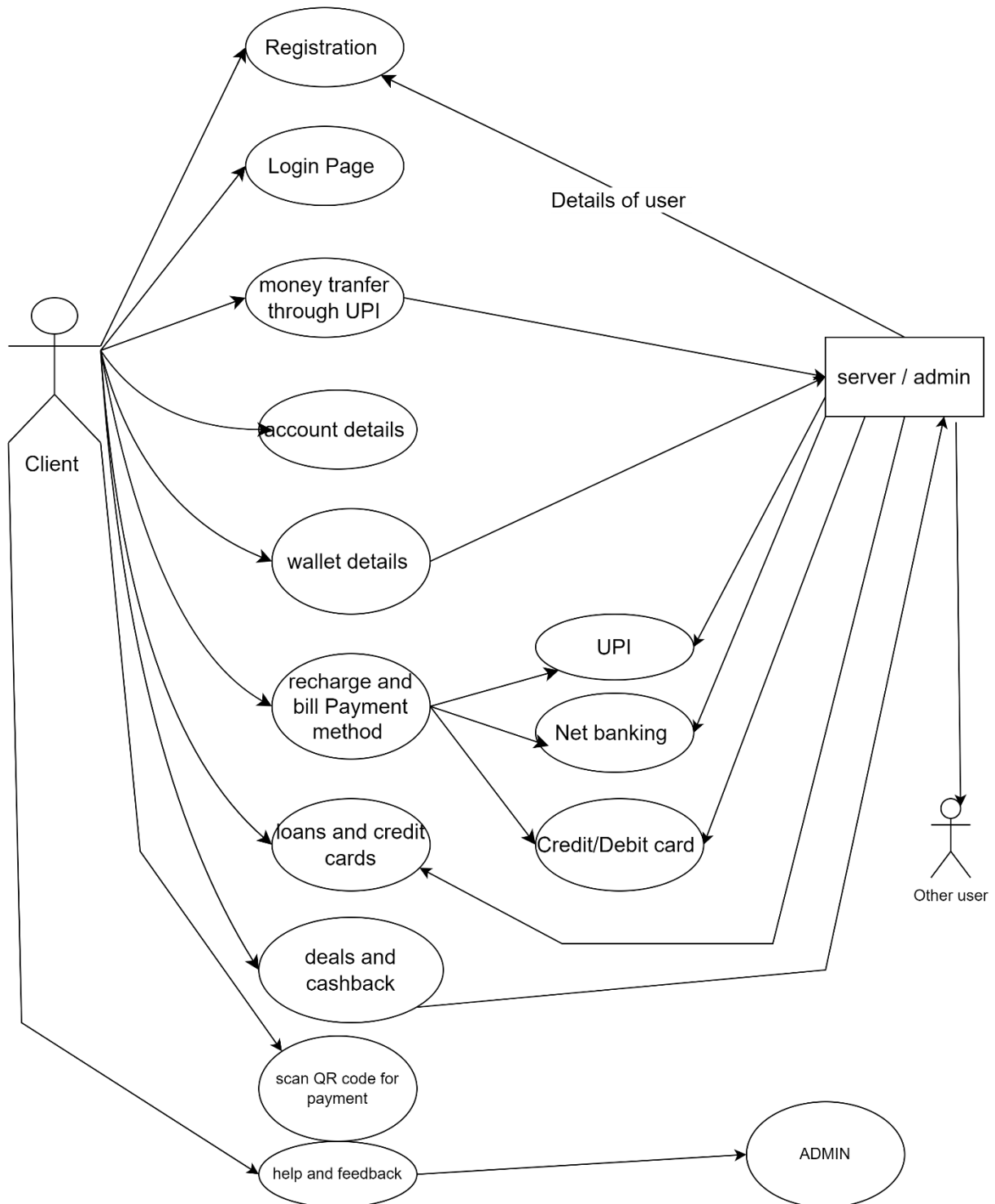
~ In this the visual representation of the database is shown of how the user and the admin are sending and receiving the required information to the database.

Q6) Flow chart diagram :

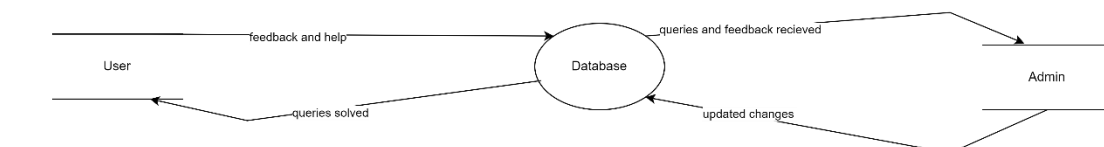
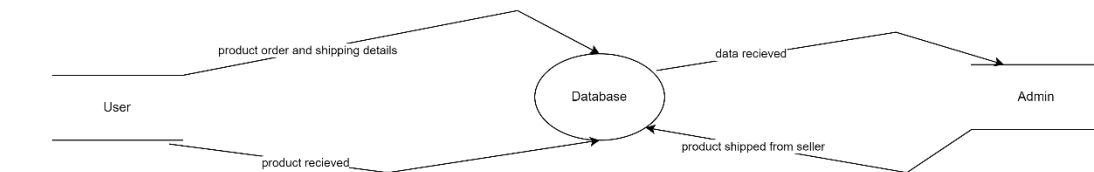
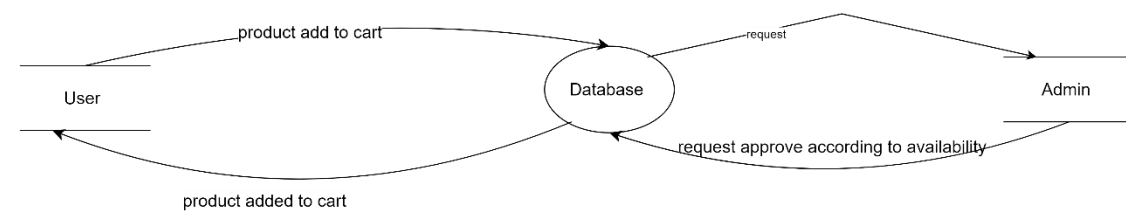
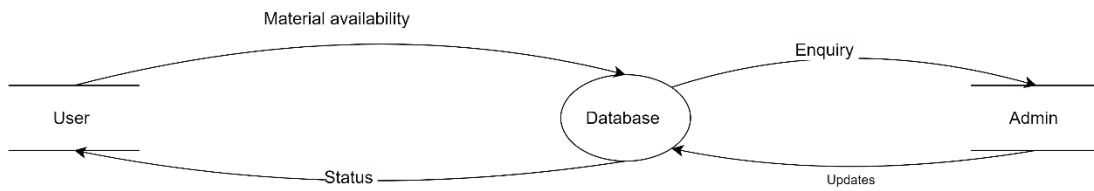
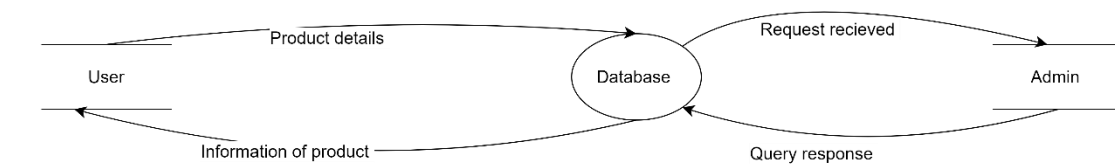
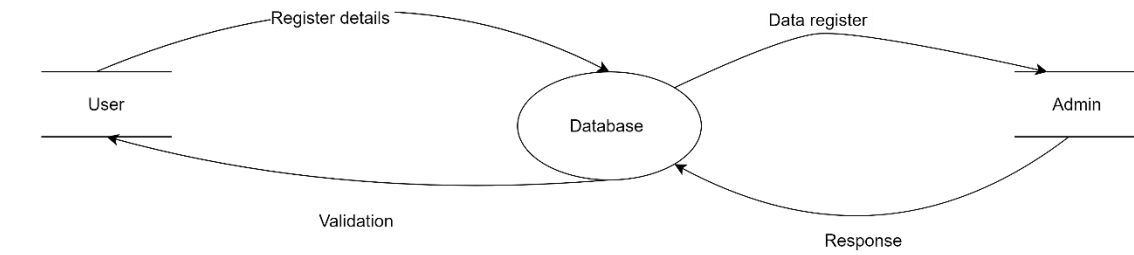
~ it's the steps required for the implementation and making of a application or a software, or the steps of how the software works according to the user's needs.

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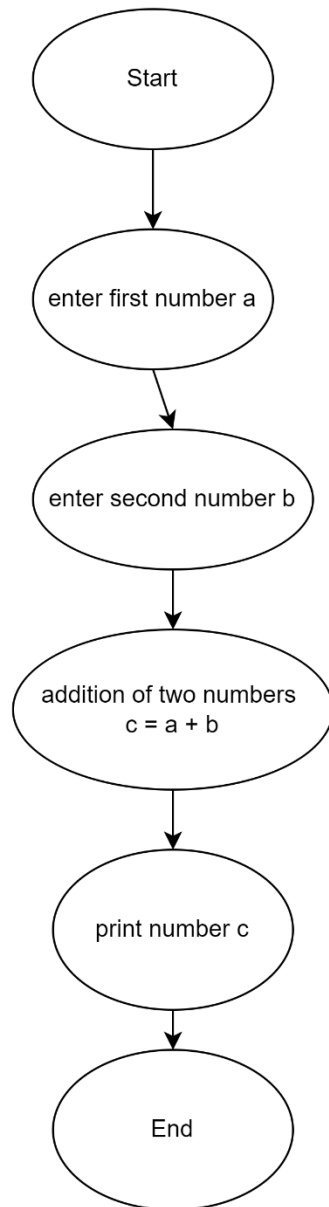
user diagram



Data flow diagram on Flipkart



Flowchart for addition of two numbers



Entity Relationship Diagram for Flipkart

