

MODULE 1

1 What is software? What is software engineering?

software is information, data and set of interaction.

software engineering is department of engineering.

system software

application software

programming software

software engineering

software engineering in software testing, srs document, software development

In that learn or creating small or single web page.

It is important thing to know all the IT or COMPUTER Engineering.

2 Explain types of software

3 types of software available

1. system software

-system software is like operating system they provide an environment to use applications they help to run hardware and software

Ex-window, android, linux

2. application software

3 types of application available

1. desktop

application is that only run desktop is called as desktop application.

Ex-ms office, microsoft store

2. mobile application

application is that only run mobile is called as mobile application.

Ex-play store, maps

3. web application

web application means web pages or web site showing in browser.

Ex-chrome, edge

3. program software

programming software is the process of design, implementation, testing maintenance the source code.

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ex compiler, interpreter

3 What is SDLC? Explain each phase of SDLC

SDLC full form software development life cycle.

it is process to develop software.

there are 6 phases

1 planning

2 analysis

3 design

4 implementation

5 testing & implementation

6 maintenance

1 planning:-

To create a software first we need to know what is the requirement of customer or client and then after we gather the requirement of customer and then planning the software that

how it looks

This includes the scope, objectives, budget, timeline, etc.

2 analysis:-

this phase involves the understanding about end-user needs and analysis of all requirements of customer.

3 design:-

this phase the developer creates a system architecture and based on that designs it.

It involves all basic data structures that do not affect the software.

4 implementation:-

this phase, the developer creates a code that software occurs.

the developer writes a code then tests the written code to know if the code is perfectly fit on their design or not.

5 testing & implementation:-

this phase, the software is tested for bugs, errors, overloading and other issues.

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different testing method are used. e.g., unit testing, integration testing, system testing.

6 Maintenance:-

After all phase will complete than it is enter. this phase involves the ongoing support , updates ,

solution of bugs or some error after some time will pass.

4 What is DFD? Create a DFD diagram on Flipkart

DFD full name data flow diagram.

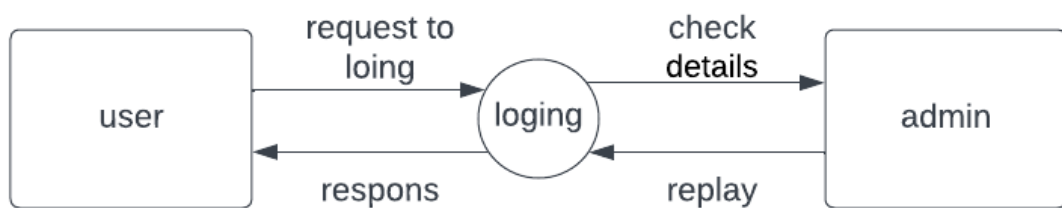
DFD is the graphical representation of how flows within the system.

creating a DFD the require element:

external entity

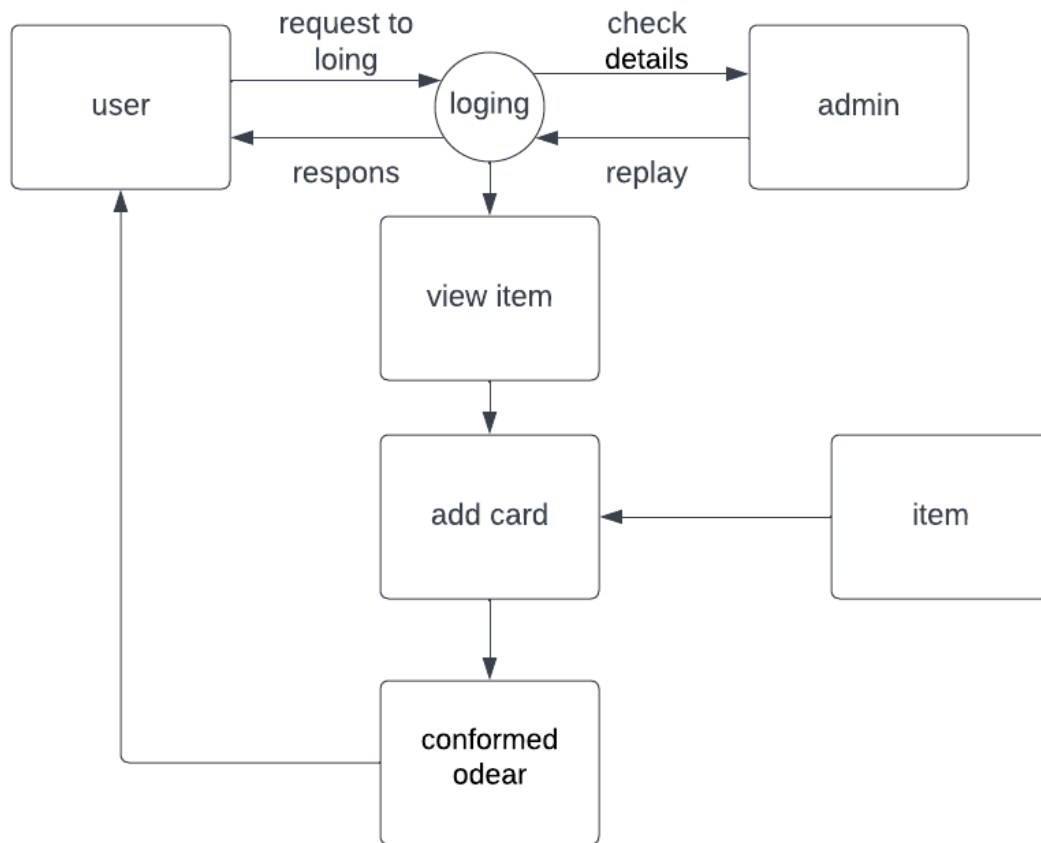
process data flow

data store



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5 What is Flow chart? Create a flowchart to make addition of two numbers


flow chart is a graphical representation of a algorithm.


not software engineer is make or understand the algorithm using the flowchart.


It is helpful in understanding of some situation like logic is complicated and problem is lengthy.


Once flowchart is drawn than after that is easy for writing a program.

 Start : there is oval symbol for represent the start and end.

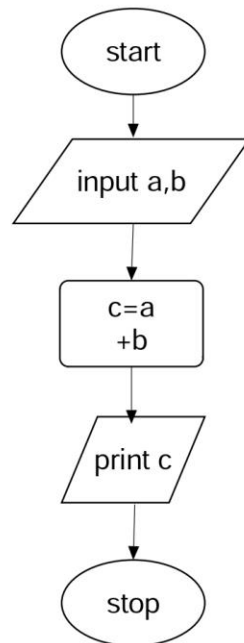
 Flow : there is a arrow symbol for represent the flow of data.

 Condition : There is diamond symbol to represent the condition.

 Process : There is rectangle symbol for represent the process during the program.

 Pageup : For representing of continuous page there is a oval symbol is used.

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6 What is Use case Diagram? Create a use-case on bill payment on paytm.

use case diagram is that graphical representation of what custome or website has to access the data.

A use case focus on the functionality of system

