

Software Engineering Assignment

MODULE: 1 (SDLC)

FULL STACK DEVELOPER ASSIGNMENT BY HIT JETANI

* What is software?

--> Software is the general term used to describe all of the various programs that may be used on a computer system. Software can be divided into four main categories: systems software, development software, user interface software, applications software.

* What is software engineering?

--> Software Engineering is an engineering branch related to the evolution of software product using well-defined scientific principles, techniques, and procedures. The result of software engineering is an effective and reliable software product.

* Explain types of software ?

--> 1) System Software

2) Middlewara Software

3) Application Software

4) Programming Software

5) Driver Software

6) Embedded Software

1) System Software : This includes Software Which are in bailt in system.

EX. Operting System etc...

2) Middleware software : This Software Which interacts between System and Application.

EX. Database Middleware, Word, Excel, Etc...

3) Application Software : This includes Software application Which are used in day to day life.

EX. MS Office,Downloaded Games, Etc....

4) Programming Software : The software in which we do Programming.

Ex. Dev C++, VS Code, Etc...

5) Driver Software : This includes drivers which are installed automatically in system.

EX. Audio , Video,Etc...

6) Embedded Software : you are dictating the hardware to act in a certain way. Well, these software interfaces that are embedded into hardware are called embedded software.

EX. operate your washing machine, Etc...

*** What is SDLC? Explain each phase of SDLC**

--> SDLC means Software Development life cycle.

-> There are Stages of it.

1) Planning Stages.

2) Analysis Stages.

3) Design Stages.

4) Development Stage.

5) Testing Stage.

6) Maintenance Stage.

1) Planning Stages : It gathers All planning of client

2) Analysis Stages : It does analysis regarding the planning presented by client.

3) Design Stages : It includes the designing part of software includes front end part.

4) Development Stage: backnd part(JAVA,PHP,.net)

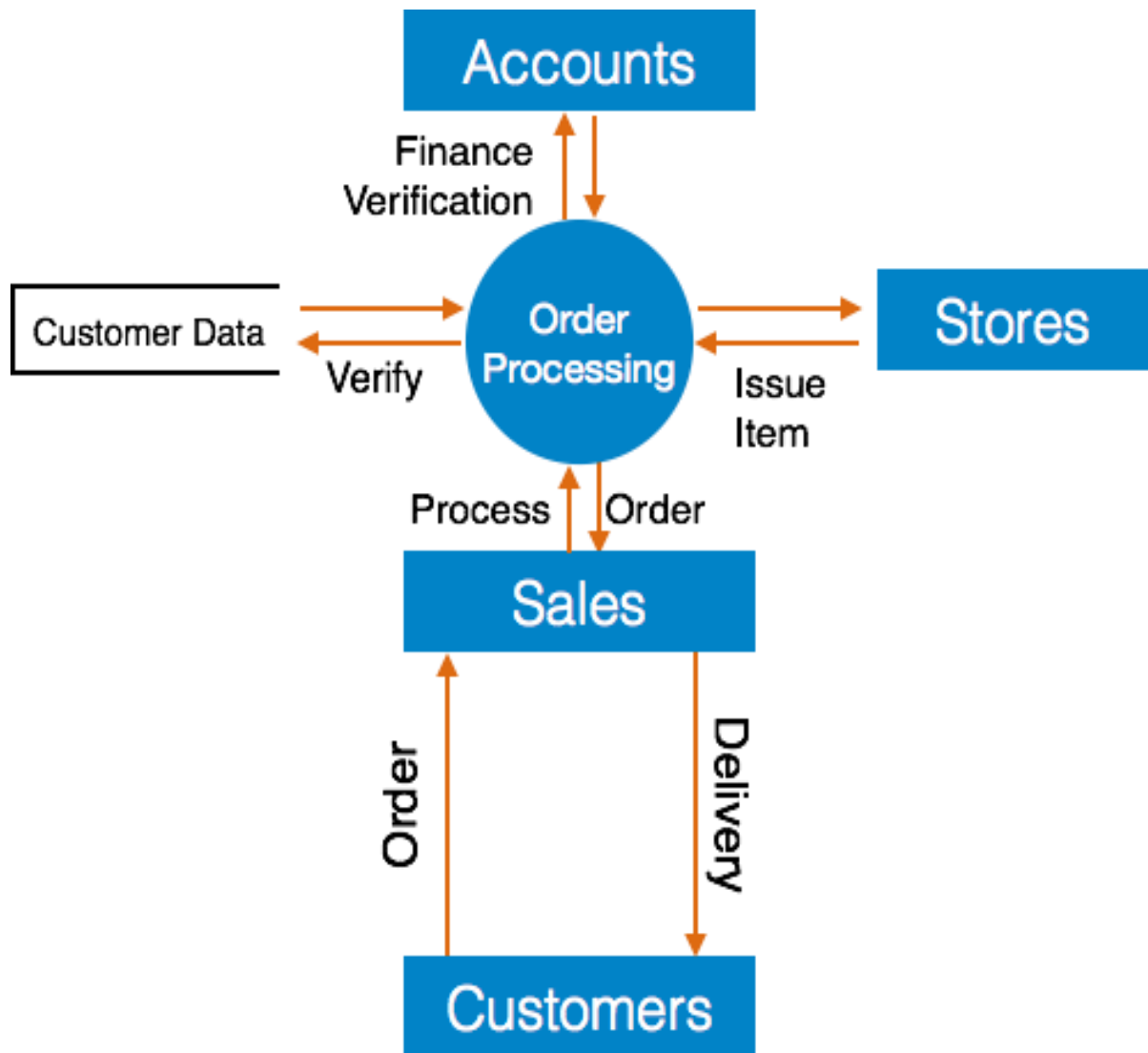
5) Testing Stage : To test the website or software.

6) Maintenance Stage : to maintain the website or software..

* What is DFD? Create a DFD diagram on Flipkart

--> It is a way to representing the data in a flow

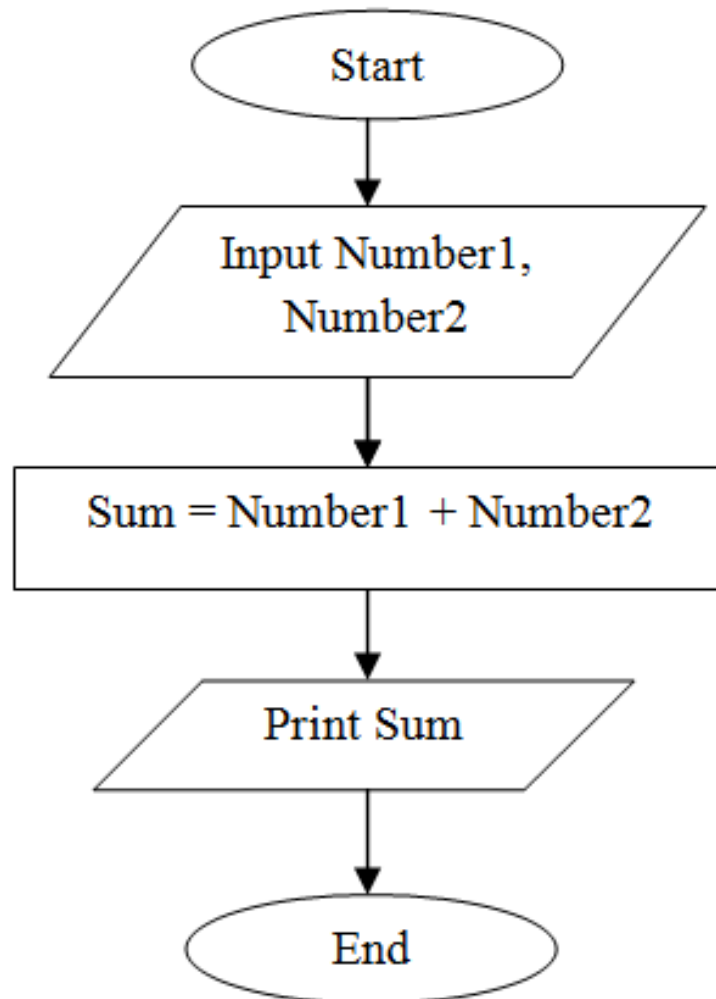
->Flipkart DFD diagram



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

--> By using flowchart we can understand the flow of our coder program.

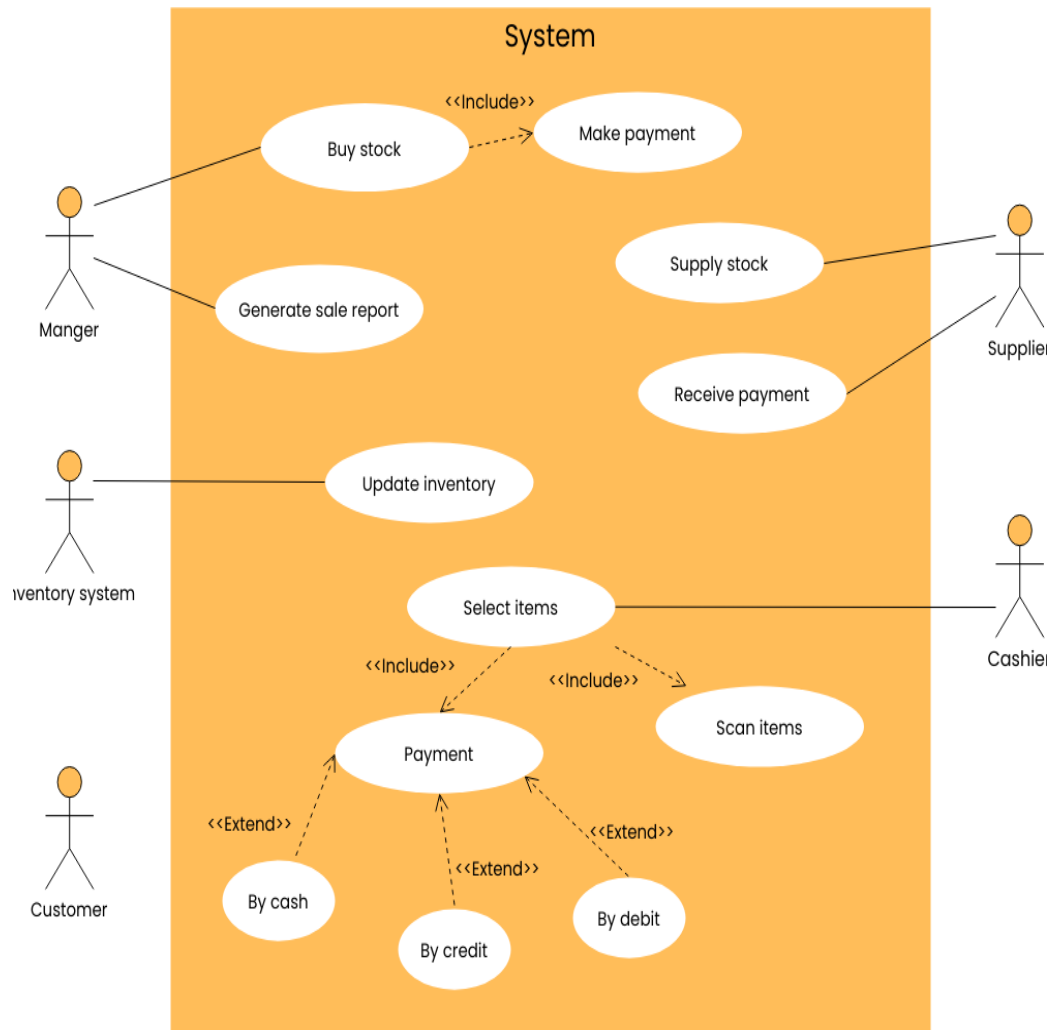
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*** What is Use case Diagram? Create a use-case on bill payment on paytm**

--> Use-case diagrams describe the high-level functions and scope of a system.

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