

Q1.What is software? What is software engineering?

> It is part of Computer. Software is set of instruction and set of programme it's tells to computer what to do. It's also called programme. Set of instruction are used for operating hardware. In simple language, part of computer we can't touch it is software.

Software engineering is process of development of software. We design our software with the help of software engineering. Software engineer create software with help of programming language.

Q2. Explain types of software

> Software: set of instruction given to the computer what can exactly to do for solve programme. There are 3 types of software,

1> system software

2> application software

3> utility software

- System software: system software is the programme to develop and manage computer hardware. Ex: operating system, device drivers.
- Application software: It is type of system software. Application software is help user to do specified tasks. Ex: Chrome, MS word, antivirus, game.
- Utility software: it is types of software. It is helps to user managing and performing particular task and resolving errors.

Q3. What is SDLC? Explain each phase of SDLC

➤ SDLC : Software development Life cycle

In simple word, SDLC means, life cycle of software from start to end.... It is six stage process for creating software.

There are six phase of SDLC...

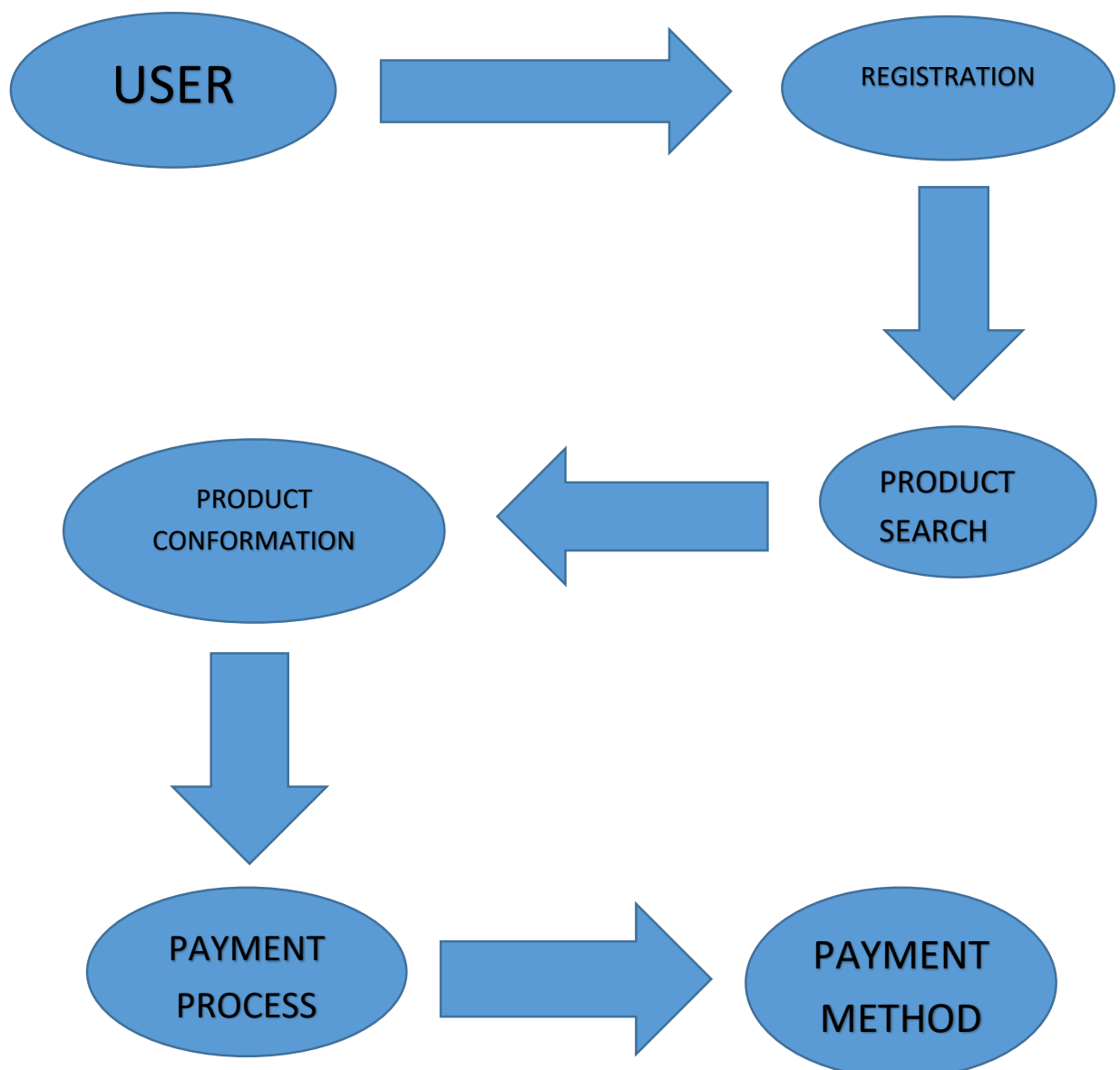
1. Analysis: This is first and important phase of SDLC. With the help of software analysis, we can know what the customer needs and what does not want and know the limitation and advantages of software.

2. Planning: After analysis second important phase of SDLC is planning. With the help of planning we can collect data information about our software and what the user needs we know that.
3. Designing: It is an important stage of SDLC, with the help of the designing phase we develop our software and define technical details about our software. It helps the programmer in software.
4. Development: It is an important stage of SDLC. Development is a process for growth, progress, and change in technique, physical change for our software. Development is necessary for software.
5. Testing/Deploy: After development of software testing is the most important phase of SDLC. Testing is important because after software testing we know what the limitations and advantages of software are, and it is useful for the user.
6. Maintain: It is the last phase of SDLC. Maintenance phase is the process of modifying, changing or updating of software to maintain with user need.

Q4. What is DFD? Create a DFD diagram on Flipkart

- DFD means, data flow diagram. it is graphical representation of data information. Data flow diagram out the flow of information or any system.

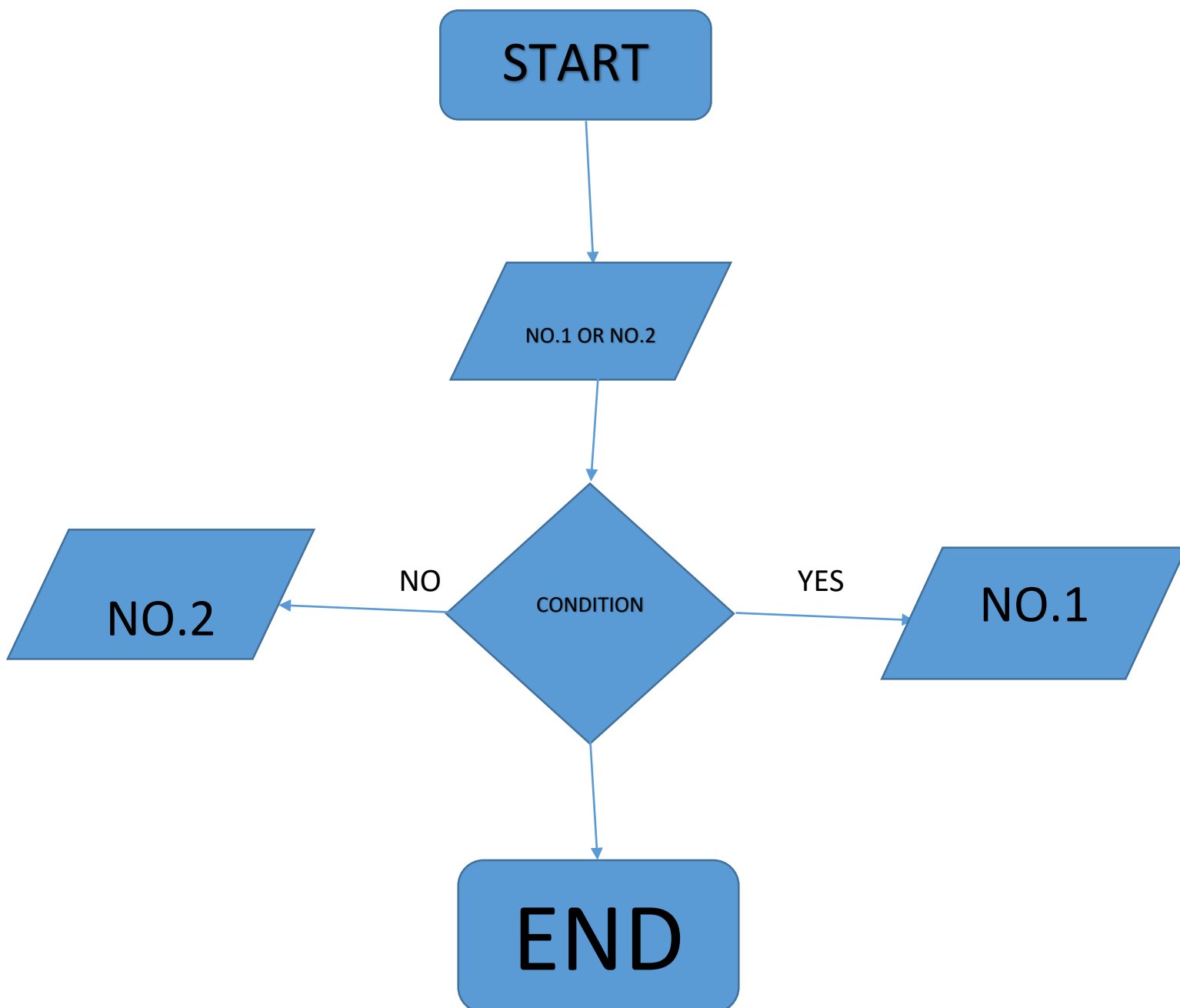
- DIAGRAM OF FLIPKART



Q5. What is flow chart? Create a flowchart to make addition of two numbers

- Flow chart is a type of diagram that represent a process. Flow chart is a picture of the separate steps of a process in sequential order.it can used of describe various process.

- FLOW CHART:



Q6. What is use case Diagram? Create a use-case on bill payment on paytm.

- Use case diagram is representation of how actors interact with a system. A diagram gives high level view of system with detail information.

Use-case diagram of Paytm :

