Module - I (SDLC)

1) → What is software? What is software-engineering?

* Software is a set of instruction, data, or programs used to operate a computer tasks and execute specific tasks. In a simpler terms software tell a computer how to function.

* Software engineering has two parts. 1) software. 2) engineering. Software is a collection of codes, documents and triggers that does a specific job and fills a specifically requirement. engineering is the development of product using best practices and principles and method.

* A software engineer is a person who apies the principles of software engineer to design develop, maintain, test and evaluate computer software. The term programmer is sometimes used as a synonym but may also lack connotations of engineering education or skills.

*. Software engineering is a systematic engineering approach to software

development.

2) * explain types of software.

- 6 types of software.

1) Application software - The most common types of software, application software is a computer software package that performs a specific function for a user or in some cases for application for another.

2) System software - These software programs are designed to run a computer's application programs and hardware, system software coordinates the activities and function of the hardware and software.

3) driver software - Also known as device driver This software is often considered a types of system software device driver control The devices and peripherals connected to a computer perform Their specific tasks.

4) Middleware software - The term Middleware describes software that Mediates between application and system Software or between two different kind of application software for ex. Middleware enable MS windows

to talk to excel and ~~remote~~ world.

5) System software - system software sits between the computer hardware and the application software. user do not interact directly with system soft software.

3) what is SDLC? explain each phase of SDLC?

- ~~in~~ SDLC means software development life cycle in system engineering information system and software engineering. The systems development life cycle also referred to as the application development life cycle is a process for planning creating, testing and developing an information system.

* SDLC phase including planning, system design, development, intergration and testing and maintaince.

→ SDLC interation - interation is what is system development life cycle's greatest

advantage, enabling faster development of systems by moving ahead development.

→ SdLC security - security is critical when the intent of the system development life cycle is to produce software applications. software is a most attracked part of security perimeter.

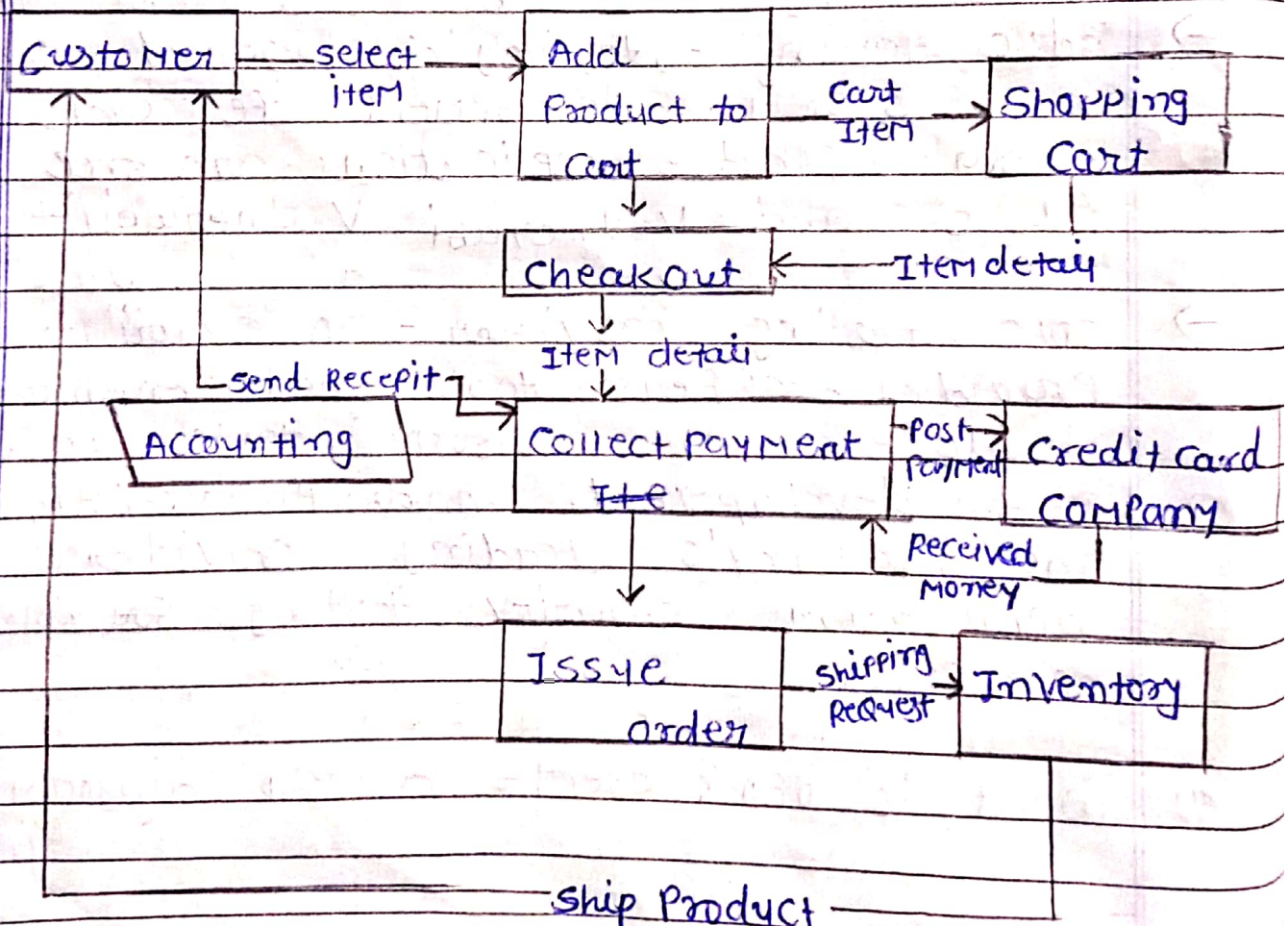
→ sdLc testing - testing is required during the system development life cycle to ensure that application are free of flows and ~~Vulnerabi~~ Vulnerabilities.

→ SDLC testing provider - A security testing provider offers tools that enable developers to perform tests on application and development and production. of the industry's leading providers of application security testing Sdl solution of SDLC.

4) what is DFD? create a DFD diagram on flipcart.

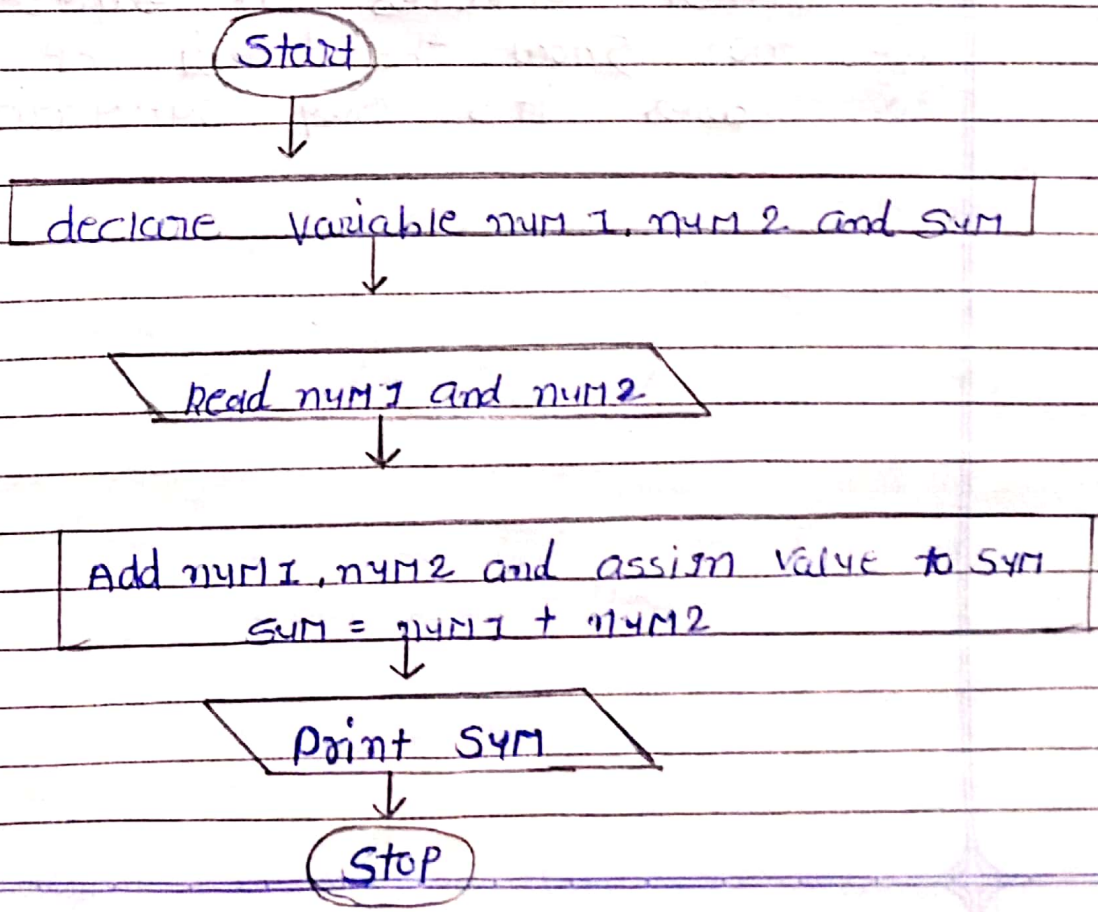
- DFD Means data flow diagram. A data flow daigram is a graphical or visual of representation using a standardized set

symbols and notations to describe a business's operation through data movement. The DFD also provides info. about the outputs and input of each ~~eni~~ entity and the process itself.



5) What is flowchart? Create a flowchart to make addition of two numbers.

- a diagram that shows the connection between different stage of a process or parts of system.
- A flowchart is type of diagram that represent a workflow or process. A flowchart can also be defined as a diagrametic representation of an algorithm a step By step approach to solving a task.



6) what is use case diagram ? Create use case on bills payment on paytm.

* use case diagram is a graphical depiction of a user's possible ~~interac~~ interactions with a system. A use case diagram shows various use cases and different types of users the system has had will often be accompanied by other types of daigram as well. The use case are represented by either circles or ellipses. it does not show the detail of the use cases it's only summarizes.

System.