

Software Engineering Assignment

Module - 1 (Overview Of IT Industry)

Q-1 What is software? What is software engineering?

Answer - Software is a set of instructions, that tell a computer what to do. Software Engineering is a branch of computer science the process of developing, testing and deploying computer application to solve the real-world problems.

Q-2 Explain types of software?

Answer – Among the various categories of software below are the most common software.

Application Software -

Application Software is a computer software package that perform a specific function for a user.

System Software -

These software programs are designed to run a computers application programs and hardware. System software coordinates the activities and functions of the hardware and software.

Device Software –

Driver software is also known as device driver, this software is often considered a type of system software. Device drivers control the devices and peripherals connected to a computer, helping them to perform their specific tasks.

Q-3 What is SDLC ? Explain each type of SDLC

Answer – SDLC(Software Development Lifecycle) is a process that development team use to design and build software.

There are six stages in SDLC

1. Analysis
- 2.Planning
- 3.Designing
- 4.Development / Implementation
- 5.Deploy / Testing
- 6.Maintain

1.Analysis – Analysis seeks to identify and record the precise requirement of the final user.

2.Planning – Planning involve defining the software purpose and scope.

3.Designing - The Design is all about building the framework. The development team is responsible for software engineering and outlines the software functionality and aesthetic.

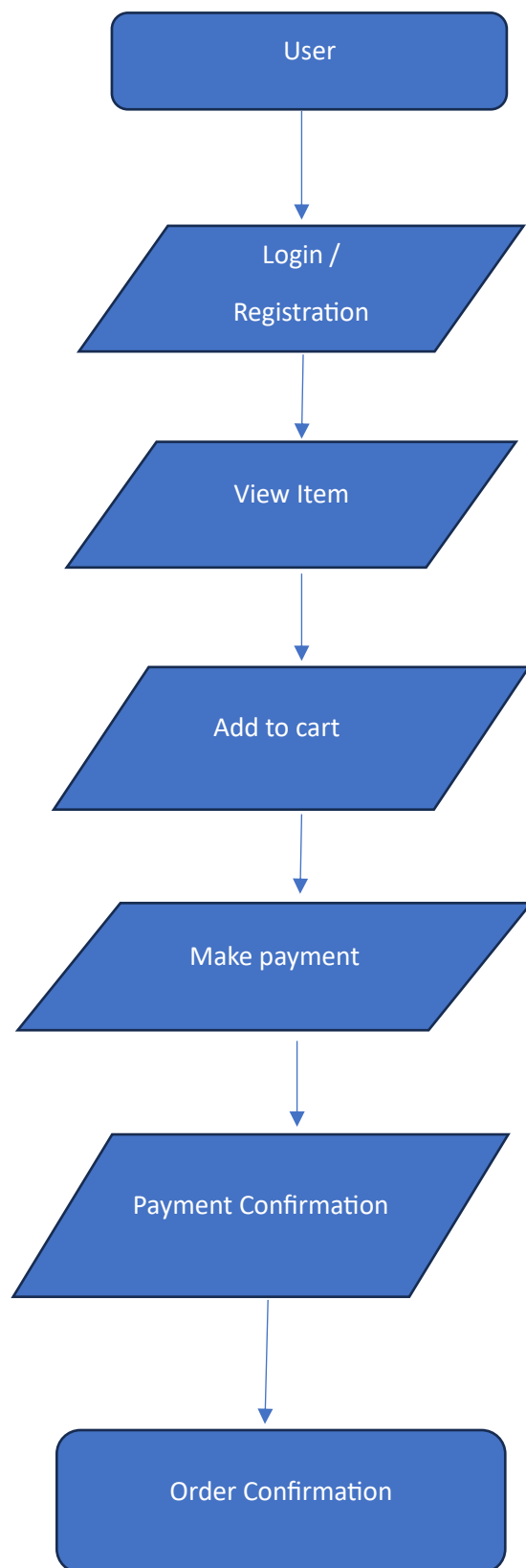
4.Development / Implementation - Development aims to develop software that is functional, efficient, and user-friendly.

5.Deploy / Testing - Testing involves a thorough examination of the software for any bugs or glitches. After crafting a product with precision, it's time to Deploy it to the users by pushing to the production environment.

6. Maintain - This adaptation involves responding to user feedback, resolving unexpected issues, and upgrading the software based on users' evolving requirements.

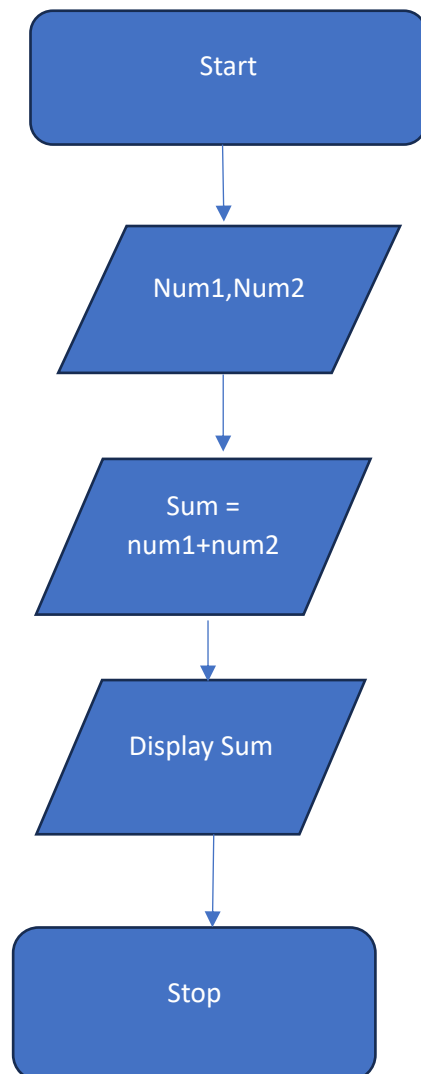
Q-4. What is DFD? Create a DFD diagram on Flipkart.

Answer - DFD is the abbreviation for Data Flow Diagram.



Q-5 – What is Flow chart? Create a flowchart to make addition of two numbers.

Answer – A Flow chart is a diagram that shows the steps and sequences of a process or workflow.



Q - 6 What is Use case Diagram? Create a use-case on bill payment on pay-tm.

Answer - A Use Case Diagram is a vital tool in system design, it provides a visual representation of how users interact with a system.

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User	---> Login / Registration
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	Payment Type

	Bill Detail

	Payment Method

	Payment Gateway

	Payment Process

	Payment Confirmation
