

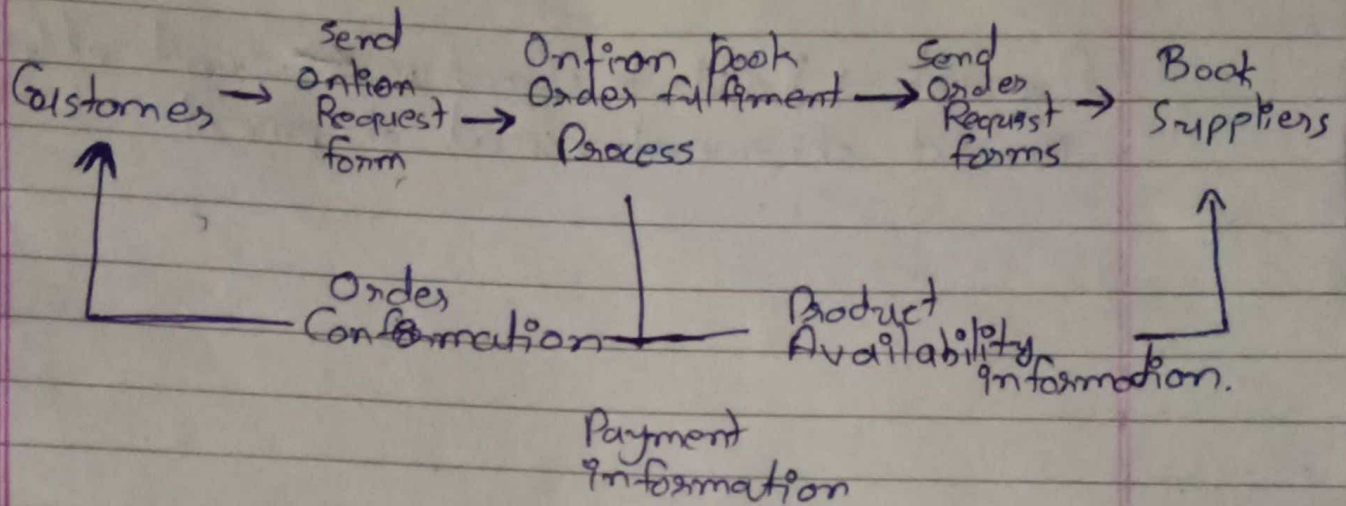
Module - 1 (SDLC)

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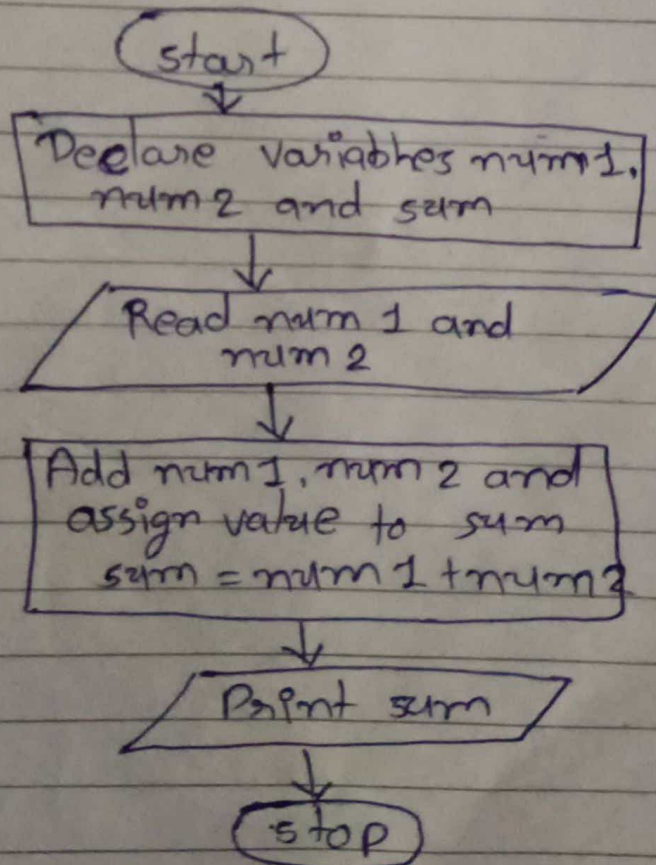
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- ① Software is a program or set of programs containing instructions that provide desired functionality. And Engineering is the process of designing and building something that serves a particular purpose and finds a cost effective solution to problems.
- ② The two main categories of software are application software and system software. An application is software that fulfills a specific need or performs tasks. System software is designed to run a computer's hardware and provides a platform for applications to run on top of.
- ③ An SDLC (Software development life cycle) is a big-picture breakdown of all the steps involved in software creation (planning, coding, testing, deploying, etc).
 - planning - Identify, analyze, prioritize and arrange information system needs.
 - Analysis - Study and structure system requirements.
 - Design - logical design functional features described independently of computer platform
 - Convert recommended solution to system specification.
 - Implementation - Code, test, install and support the information system.
 - Maintenance - Systematically repair and improve the information system.

- ④ A data flow diagram is a graphical view of how data is processed in a system in terms of input and output.



- ⑤ A flowchart is a diagram that shows an overview of a program.



⑥ This use Case Diagram is a graphic depiction of the interactions among the elements of Payment management System.

Payment → Validate signature ↔ Send offer →
Request shipment → send shipment.