**Module 1 [Software]**

**B1. What is software?**

**ANS** - Exe file is a software and Software is the language of computer. is a collection of computer programs and related data that provide the instructions for telling a computer what to do and how to do it.

**B2. Types of software .**

**ANS** - 1) System software

2) Application software

3) utility software

That can run on a computer.

**B3. What is Software Development Methodology?**

**ANS**. Software development methodology refers to structured processes involved when working on a project. It is a blend of design philosophies and pragmatic realism that stretches back to the early days of computing.

**B4. What is Design Pattern?**

**ANS**. In software development, a design pattern is a written document that describes a general solution to a design problem that recurs repeatedly in many projects.

**Intermediate**

**1.What is the difference between Application software and system software?**

**ANS**. The system software is used for operating computer hardware. On the other hand Application software are installed according to user's requirements.

**System Software : -**

System Software is use for machines, the user did not know where a programs fix and how to work that control and manage the operations of computer hardware. It also helps application programs to execute correctly.

**Application Software:-**

Application Software is a program that does real work for the user. It is mostly created to perform a specific task for a user.

**2 Explain the SDLC Each face Process**

**ANS.**

**1. Requirements Collection/Gathering**

* Requirements gathering is the process of identifying your project's exact requirements from start to finish. This process occurs during the project initiation phase, but you'll continue to manage your project requirements throughout the project timeline.

**2. Analysis phase:**

* The analysis phase is where multiple collected and processed items are examined, correlated, and given the necessary context the make them useful.

**3. Design phase:**

* In the design phase, one or more designs are developed, with which the project result can apparently be achieved.

**4. Implementation Phase:**

* Implementation Phase means the time during which a project is constructed or implemented.

**5. Testing Phase:**

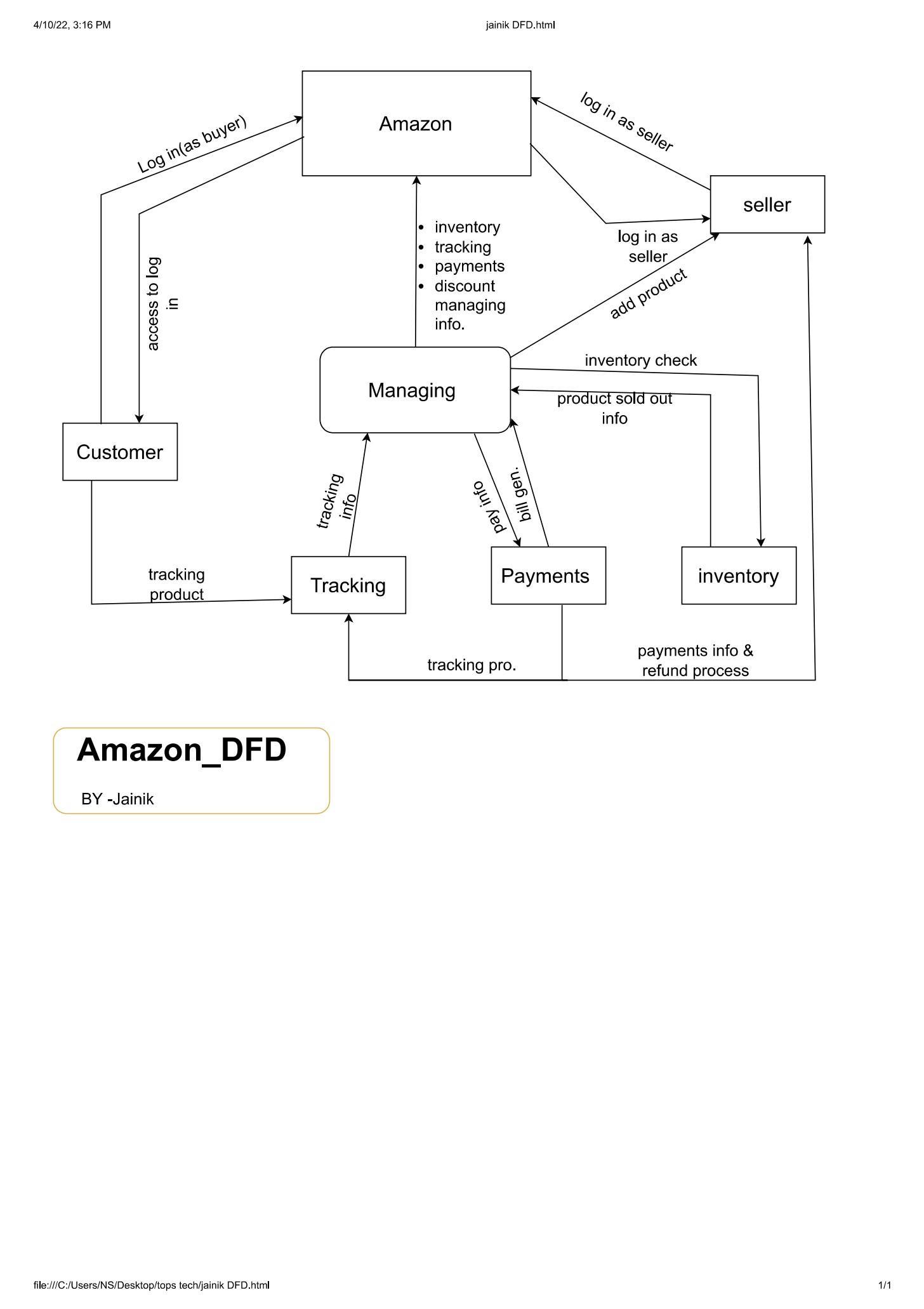
* The testing phase of the software development lifecycle (SDLC) is where you focus on investigation and discovery.

**6. Maintenance Phase:**

* Software maintenance is one of the activities in software engineering, and is the process of enhancing and optimizing deployed software (software release), as well as fixing defects.
* **Corrective maintenance**
* **Adaptive maintenance**
* **Perfective maintenance**

**3.Create the DFD,FlowChart of Login Process of Amazon**

* **ANS -**

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