SE ASSIGNMENT_M1

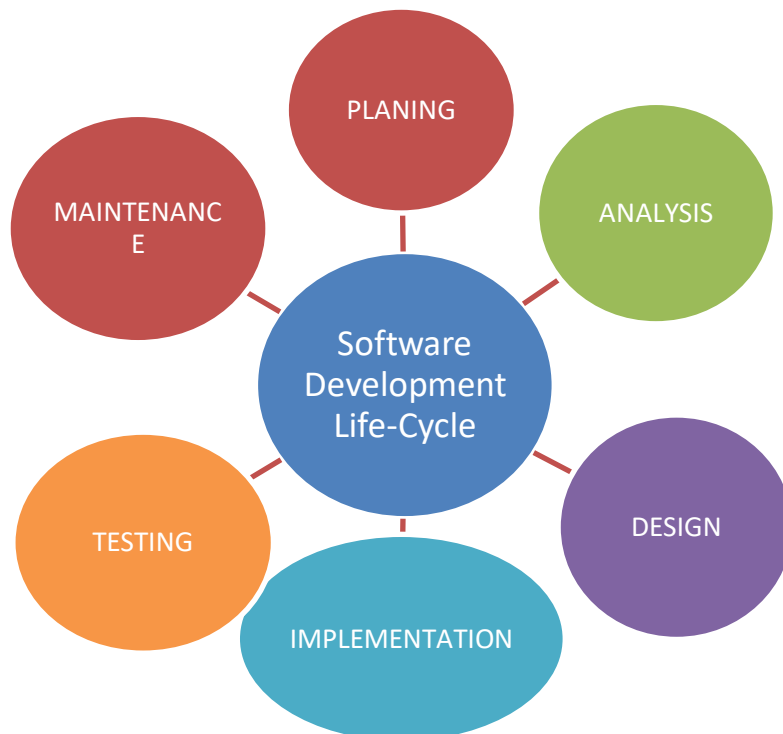1. **What is Software? What is Software engineering?**

   - **Software** is a set of instruction or command to perform certain task.
   - E.g. MS office, Notepad, Calculator, etc.
   - **Software engineering** is to design, Develop, Programming, Testing of Computer Software.

2. **Explain type of software?**

   - Software has two types:
     1) **System Software:** It is in-built software E.g. Calander, Calculator, clock, Notepad
     2) **Application Software:** Software Develop by Developer it's called Application Software E.g. Whatsapp, Instagram, Facebook…

3. **What is software development life-cycle?**

   - **Software Development Life Cycle (SDLC)** is a step by step approach for software development to achieve high quality product within the cost and time.

   - **Life Cycle:**

- **Planning:**

    Planning is first stage of SDLC. In this stage developer gathering ideas for product.

- **Analysis:**

    Analysis is second stage of SDLC. In this stage developer analysis their planning for Software.

- **Design:**

    In this stage developer design chart according to their planning.

- **Implementation:**

    Implementation is fourth stage of SDLC. In this stage developer developing software.

- **Testing:**

    In this stage tester test the Product and giving us a rieview.

- **Maintenance:**

    In this stage developer give service of product to client.

4. **What is DFD? Create a DFD diagram on Flipkart**
    - **Data Flow Diagram (DFD):** Flow of data of system is represent by DFD
    - It is graphical tool useful for communicating with users, managers, other personnel.
    - Useful for analyzing existing as well as propose system.

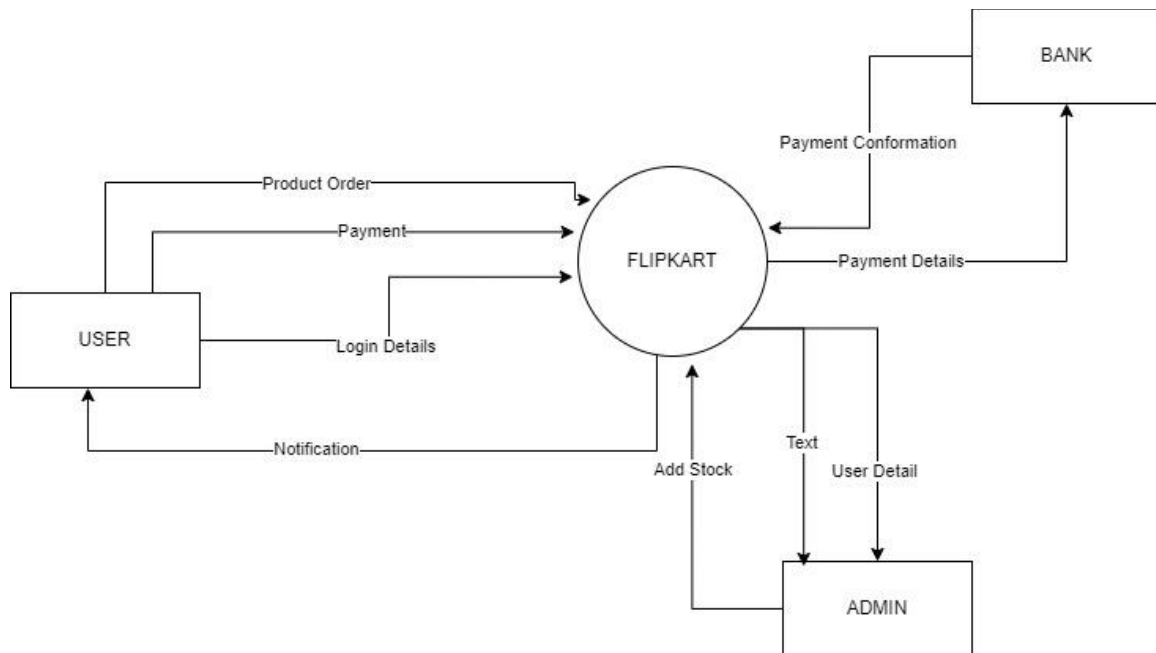   - **DFD diagram on Flipkart**

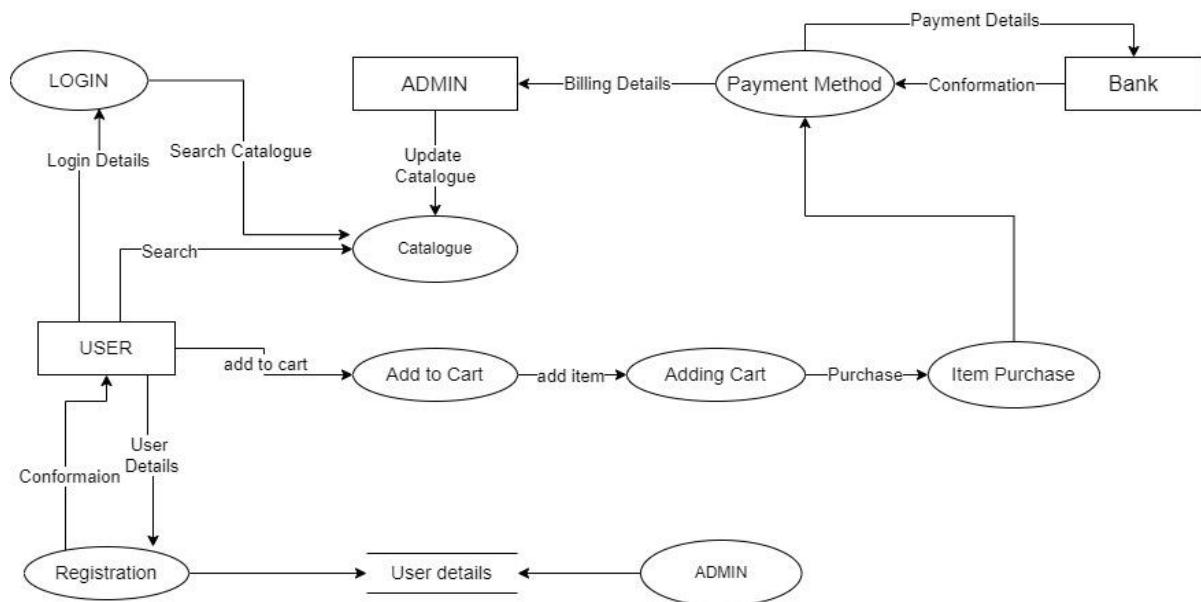# SE ASSIGNMENT_M1
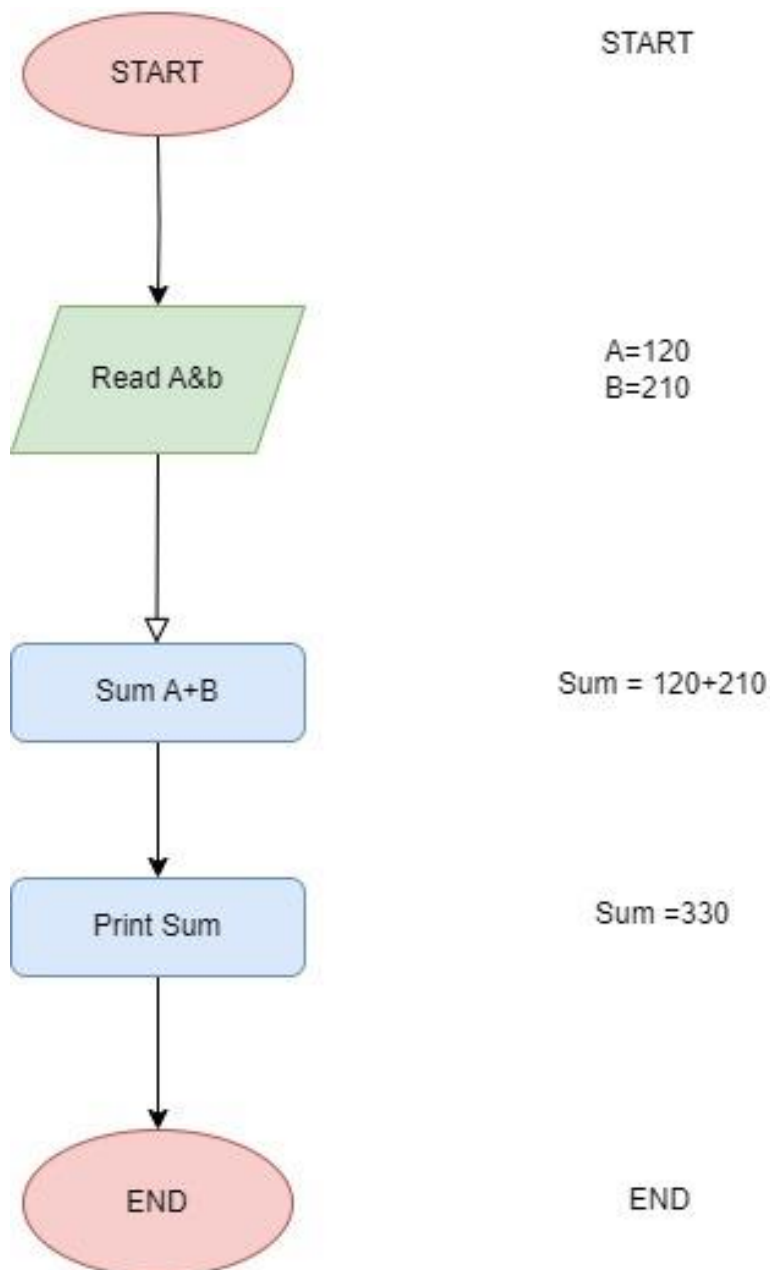

Fig. Level0 DFD Diagram for Flipkart

Fig. Level 1 DFD Diagram for Flipcart

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

- **Flowchart** is a diagram that represents an algorithm and process.
- It is a diagrammatic representation solution for given problem.

- **Flowchart for addition of two numbers:**

Flowchart	Values
START	START
Read A&b	A=120 B=210
Sum A+B	Sum = 120+210
Print Sum	Sum =330
END	END

6. **What is Use case Diagram? Create a Use case on bill payment on Paytm**

- In Use case Diagram developer shows how user perform task on website.
- **Use case on bill payment on Paytm:**