

Assignment 1

1.What is software ? what is software engineering ?

1.Software is set of instruction that processed by the computer and doing the intended work or as per the requirement

2.Software is set of the instruction , and which is write for the desired output is called as the software

3.Software engineering is set process in which we analyzing , designing , implementation , testing and deploying the software is called as the software engineering

4. Software engineering is the process of developing, testing and deploying computer applications to solve real-world problems

2.Explain types of software?

1.System Software

1.System software is middleware for the hardware and user , because the user language is understand by the system -> hence the best example is operating system and in which we interact with the system by the operating system

2.operating is convert our action with the machine code (which is understand by the machine) as per that the machine acknowledge the instruction and perform the action

3.operating system is interface between the user and system

4.examples -> windows , linux, iOS

2.Application Software

1.it is type of the software application that helps in the automation of the task based on the user input

2.Application software helps in t he providing the a graphical user interface to the user to operate the computer for the different functionality.

3.the user may use the computer for the browsing the internet , accessing to email , service attending meetings and playing games

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Types of the Application Software

- 1.Application Software
- 2.System Software
- 3.Driver Software
- 4.Middleware
- 5.programming Software

3. What is SDLC? Explain each phase of SDLC

1.software development life cycle refers to a methodology with the clearly defined process for creating the high quality software

2.SDLC gives the clarity for the development of quality software

3.it consists of some methodology

1.requirement -> in this phase we gather the requirements of the client as per that we build the software, here we discuss the business logic as per we create the documentation and give to the client the documentation is correct or not

2.Design -> we design the software like the skeleton of the system in which the design (UI) of the proposed system that how it will look after development it will give to the client and client reviewing the UI and after approval then the implementation will start

3.implementation -> we develop the system (as per the documentation which is reviewed by the client, actually coding is done in this phase, in example -> adding the muscle to the skeleton

4.testing->Testing is done by the testers, as per the documentation of the system is working correctly or not, and to find any bug in the whole system

5.deploy-> here we have given the software to the client and client performs the testing on that software

6.maintenance -> after successfully adding and deploying the software then client gives some new changes and adding the new functionality in the system then it will go to the maintenance project

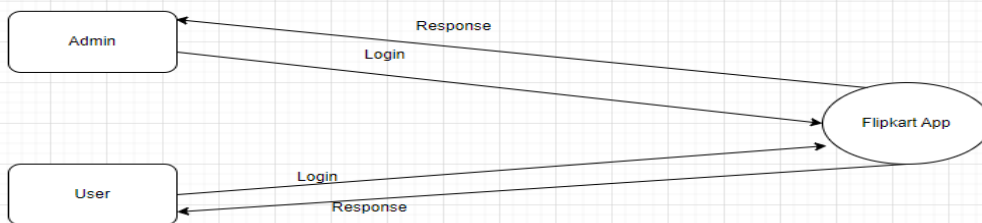
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4. What is DFD? Create a DFD diagram on Flipkart

1. DFD stands for the data flow diagram

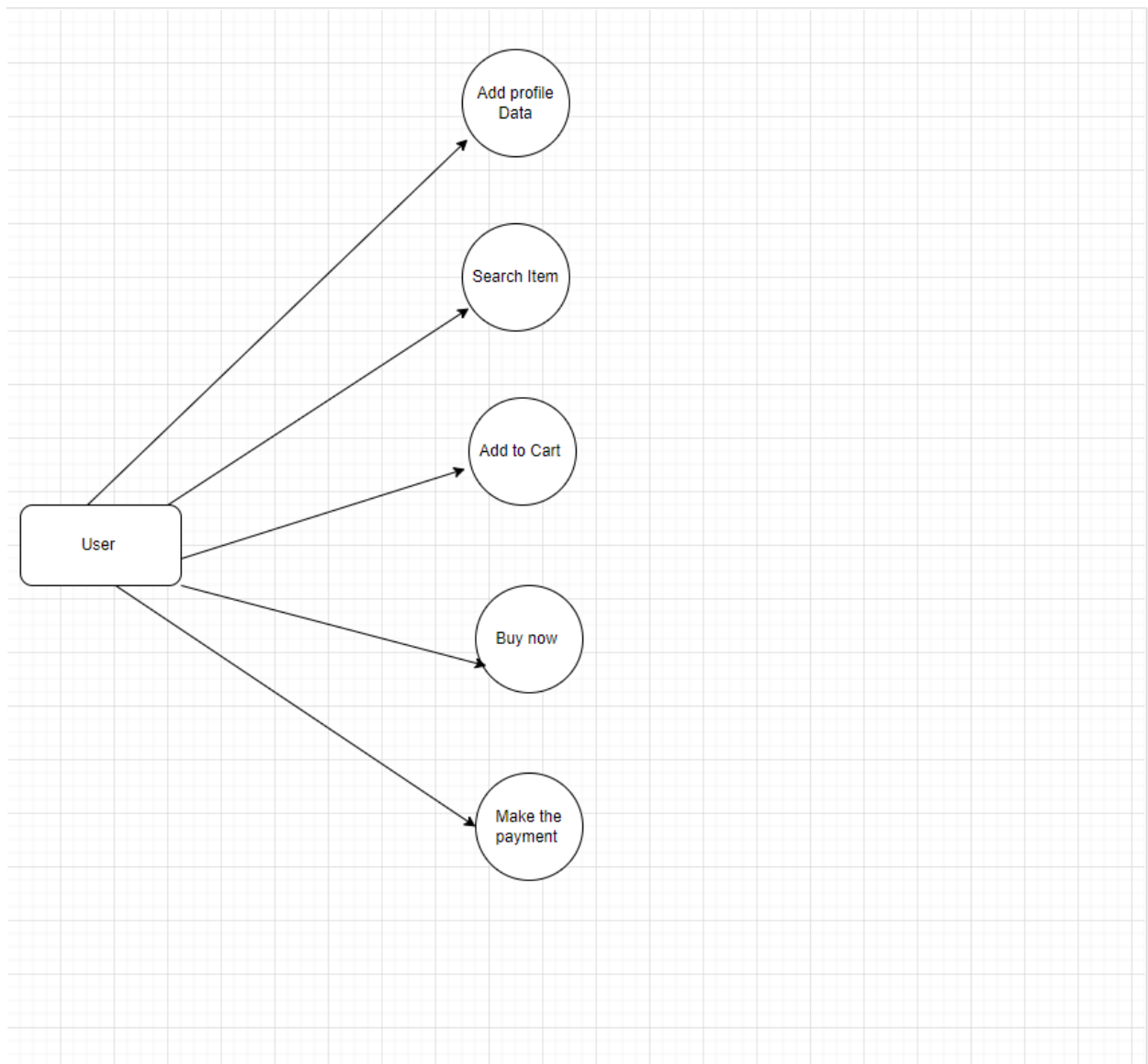
2. How the data is low inside the system we have to define in this documentation we have to define the how the data is flowing inside the system (which action is perform)

3. DFD is the abbreviation for Data Flow Diagram. The flow of data of a system or a process is represented by DFD. It also gives insight into the inputs and outputs of each entity and the process itself.



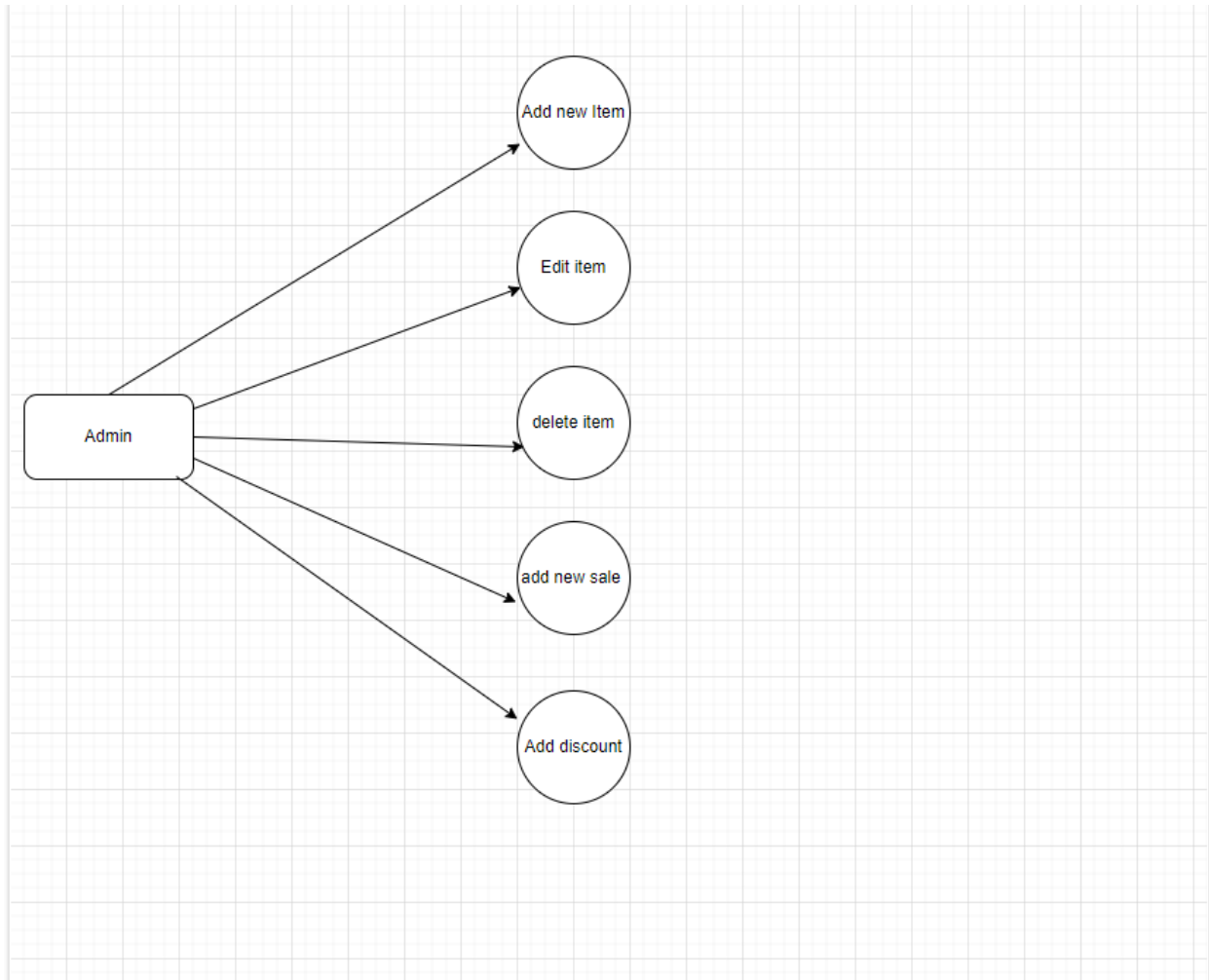
Login page for the Flipkart

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Actions that perform by the user

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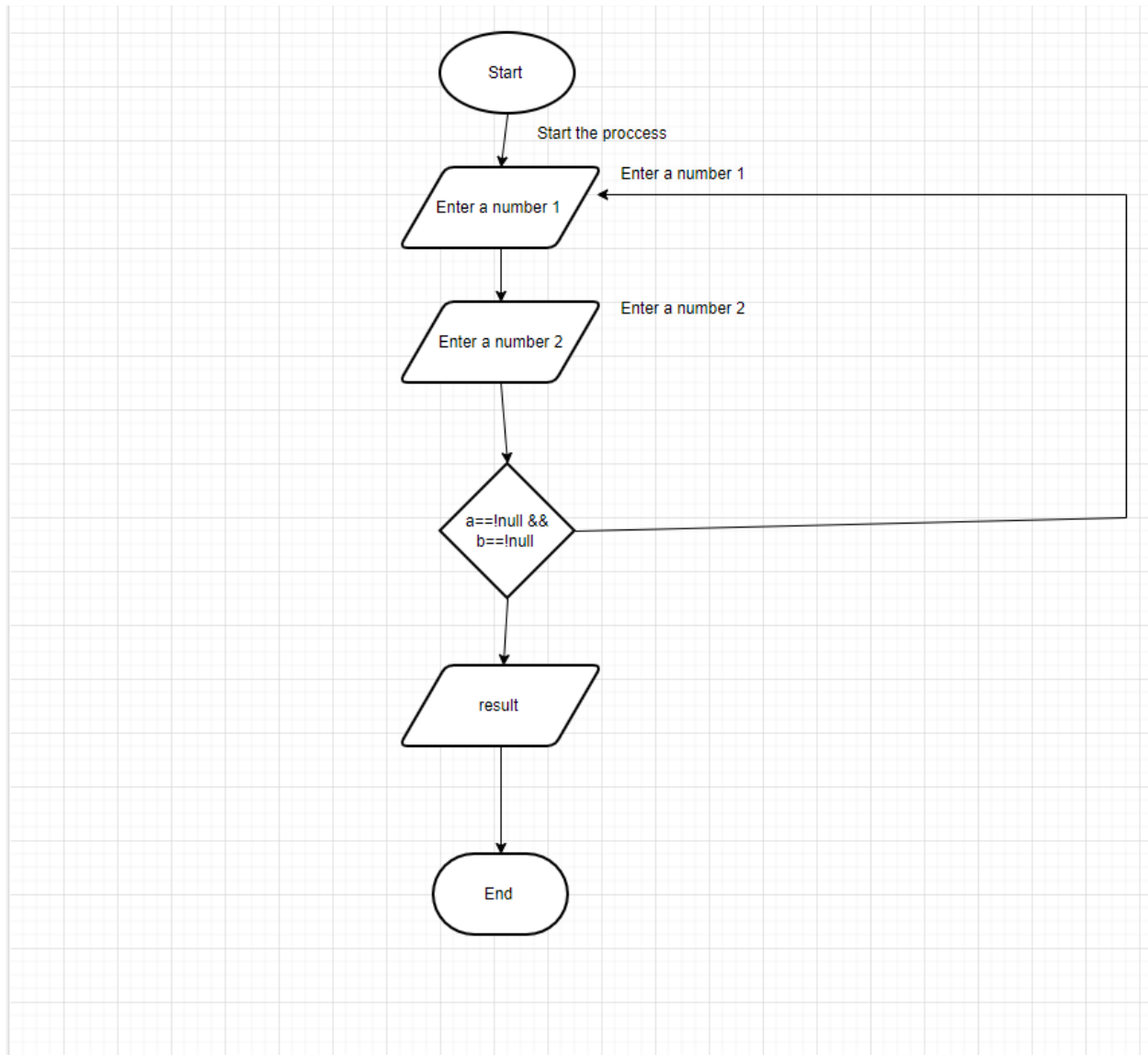
Action perform by the Admin

5. What is Flow chart

1. In this flowchart -> we perform what action in this we have to declare and how the data is flow inside the system and what is condition is perform on that data that we have see in the flow chart diagram

2. flow chart is like the computer algorithm as basis on that we perform the implementation on it

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Addition of the two numbers

6. What is Use case Diagram? Create a use-case on bill payment on paytm.

1. In the usecase diagram we have the define the possible users interaction

2. how the user is interact with the system.

3. it clearly gives how many type of the user and how they perform the action in the system

4. it will also give the how the flow in the system we the user is interact with the system

5. usecase give the dynamic behavior of the system

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use-case on bill payment on paytm