Login System DFD Diagram

The **Login System DFD (Data Flow Diagram)** represents the "flow" of data in all processes present on the login page. This data flow diagram for login system has three levels (levels 0, 1, and 2) that elaborate the flow of data. The login page system Data Flow Diagram (DFD) is made up of data (input and output), entities (users), data store, and processes. It uses symbols to define the overall flow of data.

Login System Data Flow Diagram Definition

The **Login System** Data Flow Diagram is one of the methods used for project development. It represents the system's major process and alternatives that generate the flow of data within the project. The data included were labeled properly to guide programmers and users about the structure of the Login System.

Importance of Data Flow Diagram for Login System

The **importance of the Data Flow Diagram for Login Page System** is that it aids the audience in understanding what is happening in the system. This is done by helping them visualize the system's data management at various levels of elaboration.

The login system data flow diagram involves major levels to elaborate the flow of data within the project. These levels have their part in expounding the details of the system's data flow structure. This structure will be the guide for developers in designing the DFD (Data Flow Diagram). The data flow diagram describes the flow of data in the Login System. It denotes the steps involved in transferring data from the input to file storage and reporting output in a system.

Advantages of Login System Data Flow Diagram

The **Advantages of the Login System Data Flow Diagram** are as follows:

- It is a visual representation that is very simple to comprehend because it aids in the visualization of contents.
- Included in the system documentation file.
- Simple to grasp and data flow diagrams can be understood by both programmers and users.
- Data Flow Diagrams are detailed and well-explained diagrams of system components.
- It aids in comprehending a system's operation and limitations.

Login Page System Data Flow Diagram (DFD)

The **Login System Data Flow Diagram Example** is given with an explanation. This example Data Flow Diagram is elaborated in three Levels which were the DFD Level 0, 1, and 2.

Level 0 DFD Diagram for Login System

The **Level 0 DFD Diagram for Login System** is also known as the context diagram. It is composed of the **main process**, **users** and **data flow**. The concept is shown in single process visualization.

DFD Level 0 shows the entities that interact with a system and defines the border between the system and its environment. This diagram depicts Login System Project at a high level.
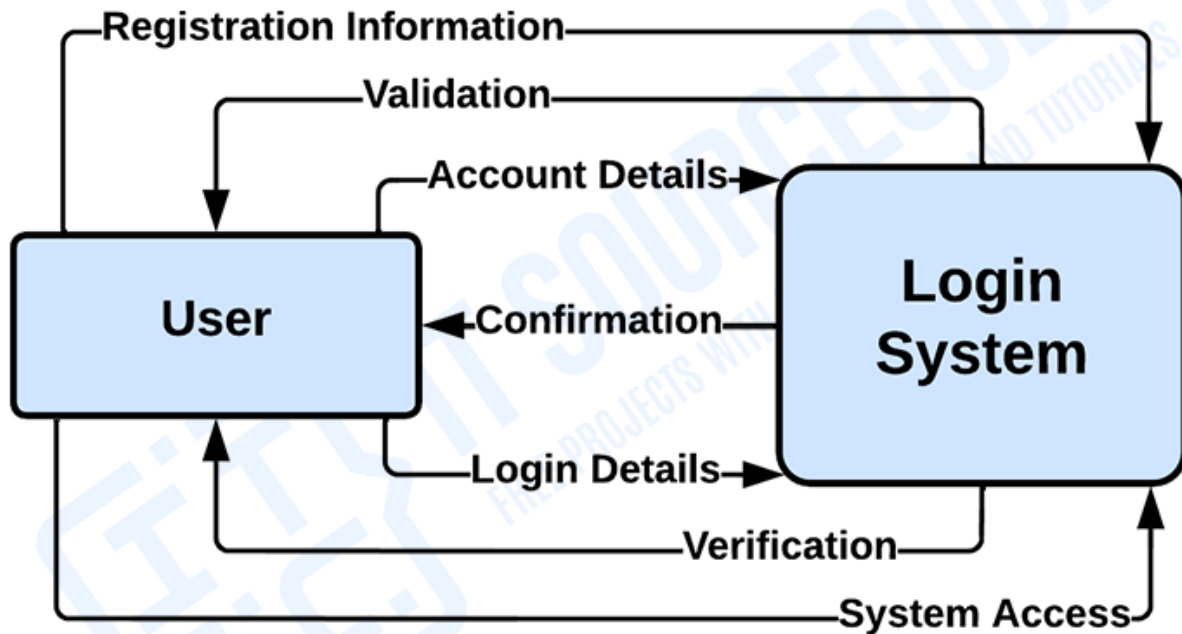
Data Flow Diagram (DFD) Level 0 for Login System

The illustration presents the main process in a single node to introduce the project context. This context is explaining how the project works in just one look. The user feeds data into the system and then receives the output from it.

You will perceive through the diagram that there is already the presence of data flow. Though the process is very general, the flow of data is clear. This could also be modified to meet the other requirements and could include other matters regarding Login management.

DFD Level 1 Diagram for Login System

        DFD Level 1 Diagram for Login Page System is considered as the detonated view of the context diagram. Its function is to deepen the concept derive from the context diagram. The DFD Level 1 shows the broader details of Login System DFD Level 0. This is to clarify the paths (flow) of data and its transformation from input to output.

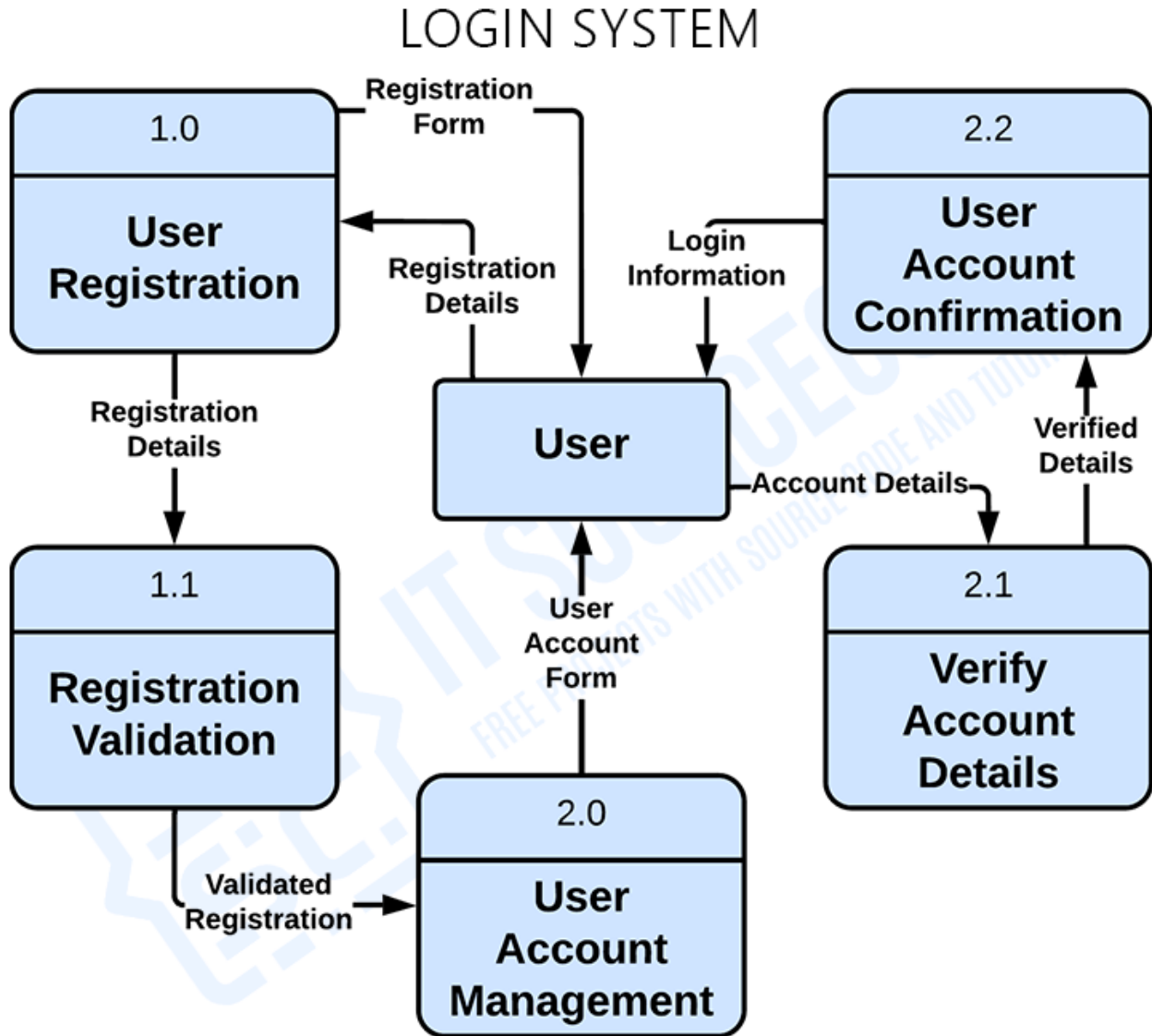## LOGIN SYSTEM
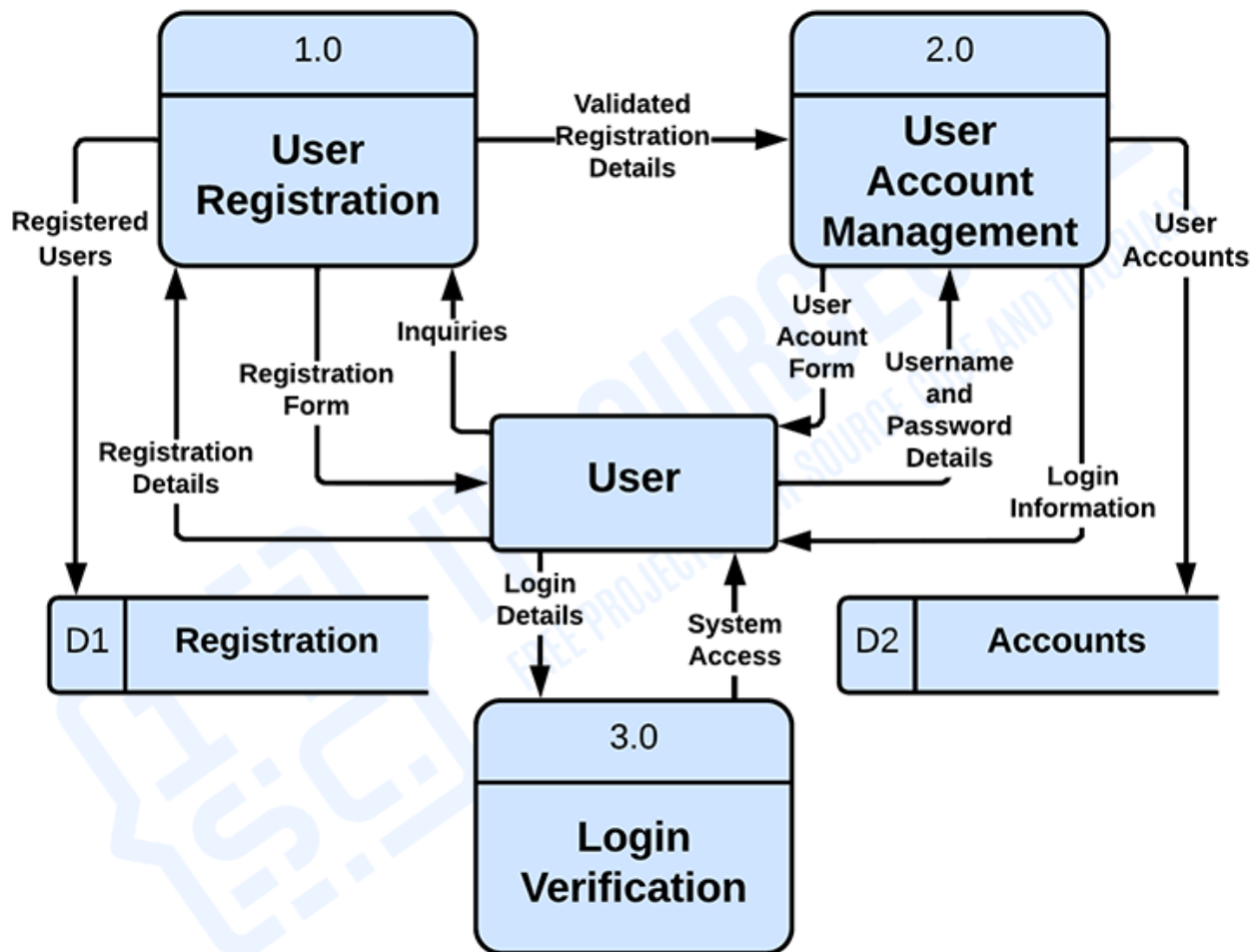
DATA FLOW DIAGRAM LEVEL 1

Data Flow Diagram (DFD) Level 1 for Login System

The designed diagram portrays two different scenarios which is the product management and ordering. The flow of data starts from the seller and the customer then the system caters to it. This idea was based on login processes or transactions.

You can also see the data store used or the database. The database is used as the storage of the data processed and given by the users and then it also serves as the source of outputs.

Level 2 DFD for Login System

Level 2 DFD for Login System is also called as the highest abstraction of data flow diagram. This level also broadens the idea from the DFD level 1. It includes the sub-processes from level 1 as well as the data that flows.

LOGIN SYSTEM

```
                    Registration
                       Form
  ┌──────────┐                        ┌──────────────┐
  │   1.0    │                        │     2.2      │
  ├──────────┤          Login         ├──────────────┤
  │   User   │  Registration Information│    User      │
  │Registration│  Details             │  Account     │
  │          │                        │ Confirmation │
  └──────────┘                        └──────────────┘

  Registration                          Verified
   Details            ┌──────────┐       Details
                      │   User   │
  ┌──────────┐        └──────────┘   Account Details
  │   1.1    │                        ┌──────────────┐
  ├──────────┤         User           │     2.1      │
  │Registration│       Account         ├──────────────┤
  │Validation │        Form           │   Verify     │
  │          │                        │  Account     │
  └──────────┘                        │  Details     │
                                      └──────────────┘
   Validated  ┌──────────────┐
  Registration│     2.0      │
              ├──────────────┤
              │    User      │
              │   Account    │
              │ Management   │
              └──────────────┘
```

DATA FLOW DIAGRAM LEVEL 2

Data Flow Diagram (DFD) Level 2 for Login System

Remember that not all of the processes in the project must have sub-processes. Only provide this diagram if needed. It is not required as long as your previous diagrams were clear and precise.

You can add more to this and it is up to you how will you create your data flow diagram. Only be precise with your information and consider the data flow that should be included.