**LEVEL 0**

The Level 0 DFD shows how the system is divided into 'sub-systems' (processes), each of which deals with one or more of the data flows to or from an external agent, and which together provide all of the functionality of the system as a whole. It also identifies internal data stores that must be present in order for the system to do its job, and shows the flow of data between the various parts of the system.

Admin

User

Database

**Level 0 Data flow diagram**

**LEVEL-1**

The next stage is to create the Level 1 Data Flow Diagram. This highlights the main functions carried out by the system. As a rule, to describe the system was using between two and seven functions - two being a simple system and seven being a complicated system. This enables us to keep the model manageable on screen or paper.

Admin

Store the data

Store the data

Retrieving the data

Retrieving the data

**Level 1 Data flow diagram**

**DFD LEVEL-2**

A Data Flow Diagram (DFD) tracks processes and their data paths within the business or system boundary under investigation. A DFD defines each domain boundary and illustrates the logical movement and transformation of data within the defined boundary. The diagram shows 'what' input data enters the domain, 'what' logical processes the domain applies to that data, and 'what' output data leaves the domain. Essentially, a DFD is a tool for process modeling and one of the oldest

User

Database

**Level 2 Data flow diagram**

**Modules**

* + Admin
  + Book Information
  + User Register
  + User Login
  + Order Book
  + Report

**Admin:**

In this module admin can be login to the account using the user name and password as admin. Then admin have responsibilities to maintain all information

**Add Book:**

Admin can add the book details as id, name, type, amount, quantity, author and so on. These details are stored in database for future use. Admin can only add the book details in this site.

**User Register:**

User can register their details such as user name, password, gender, age, mobile number, mail id and so on. After registration, user login to the system. After login, user can view book details which are added by admin in admin page.

**User Login:**

In this module, user can login in the system using username and password. This main module for users who are apply certificates in online.

**Search Book:**

In this module used to search the book according to categories. User can search their books in different categories.

**Order Book:**

After viewing all book details, user can order the books to select quantity and automatically amount can calculate and viewed in user page. User can buy a multiple product using add to cart option.

**Report**

In this module used to generate various report for boot sore application.