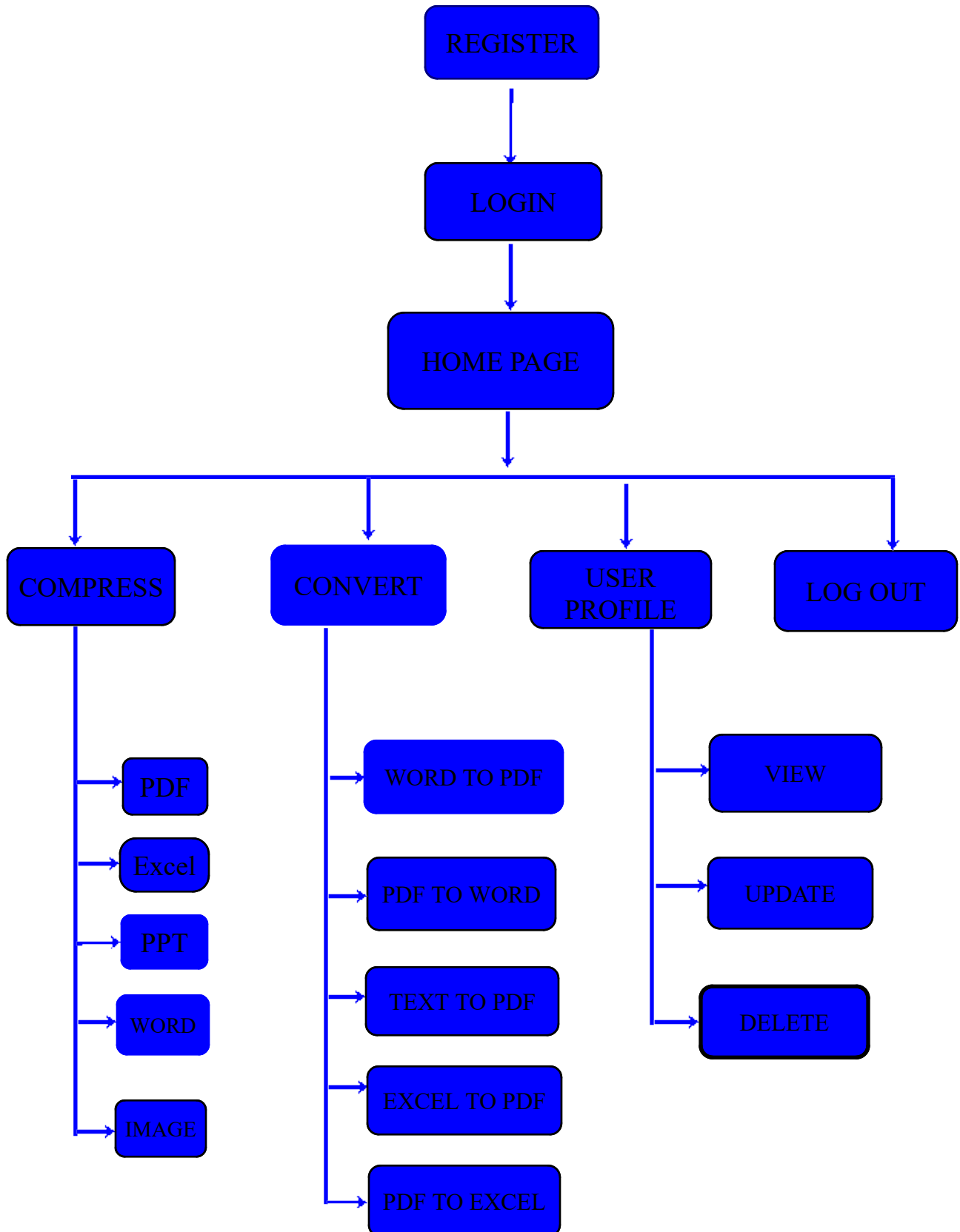


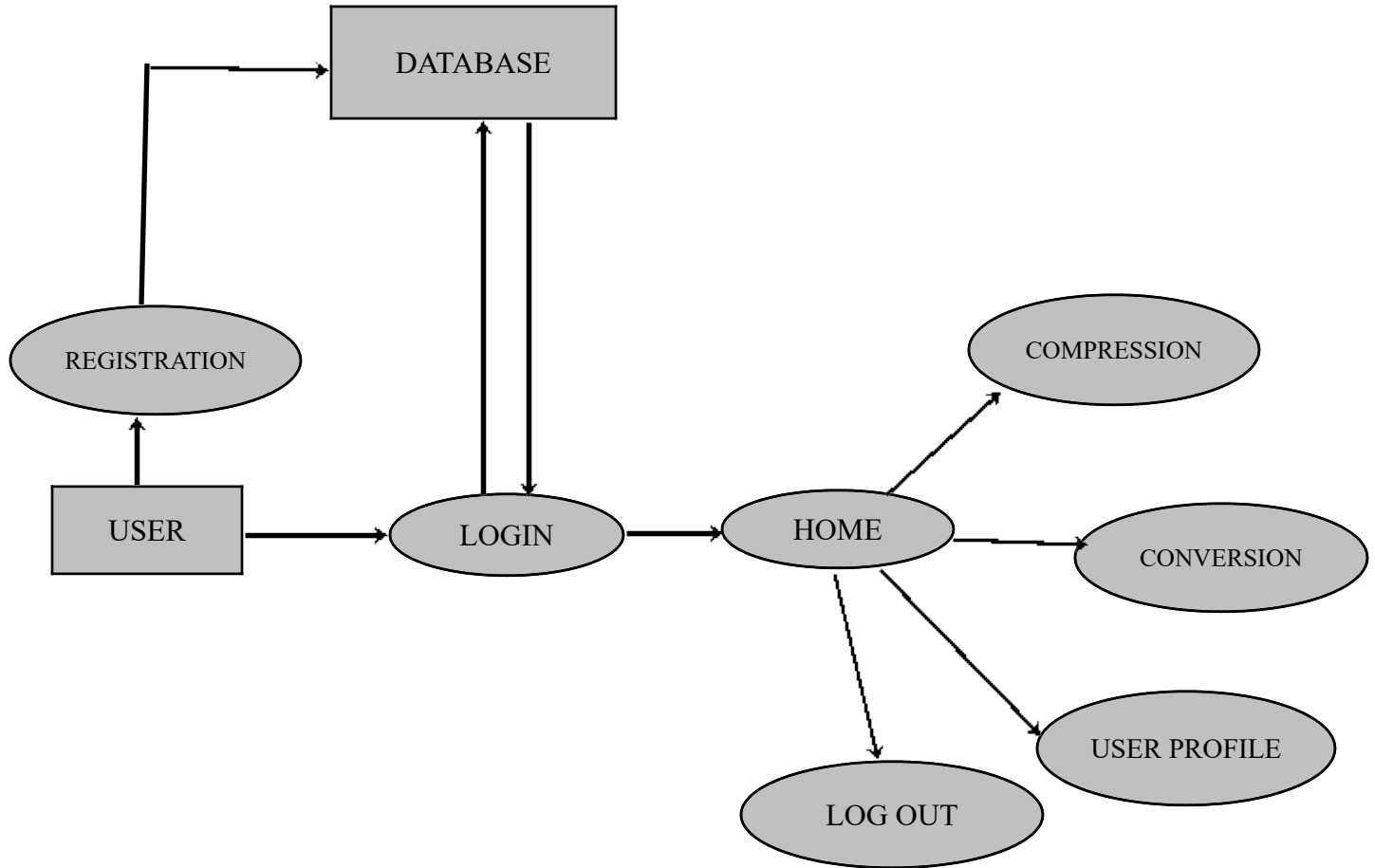
DETAILED DESCRIPTION OF COMPONENTS

STRUCTURE CHART



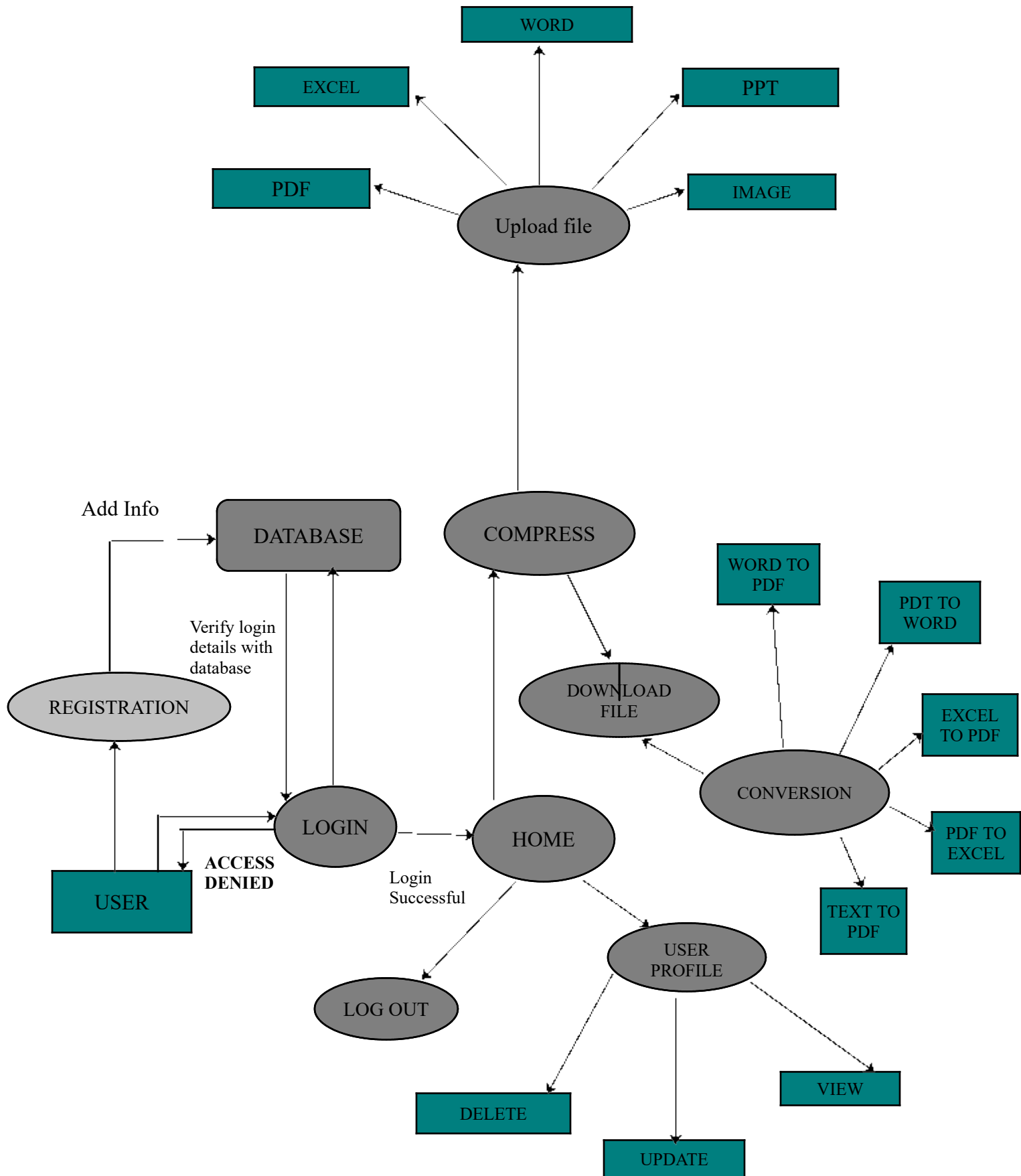
DATA FLOW DIAGRAMS

1- Level DFD

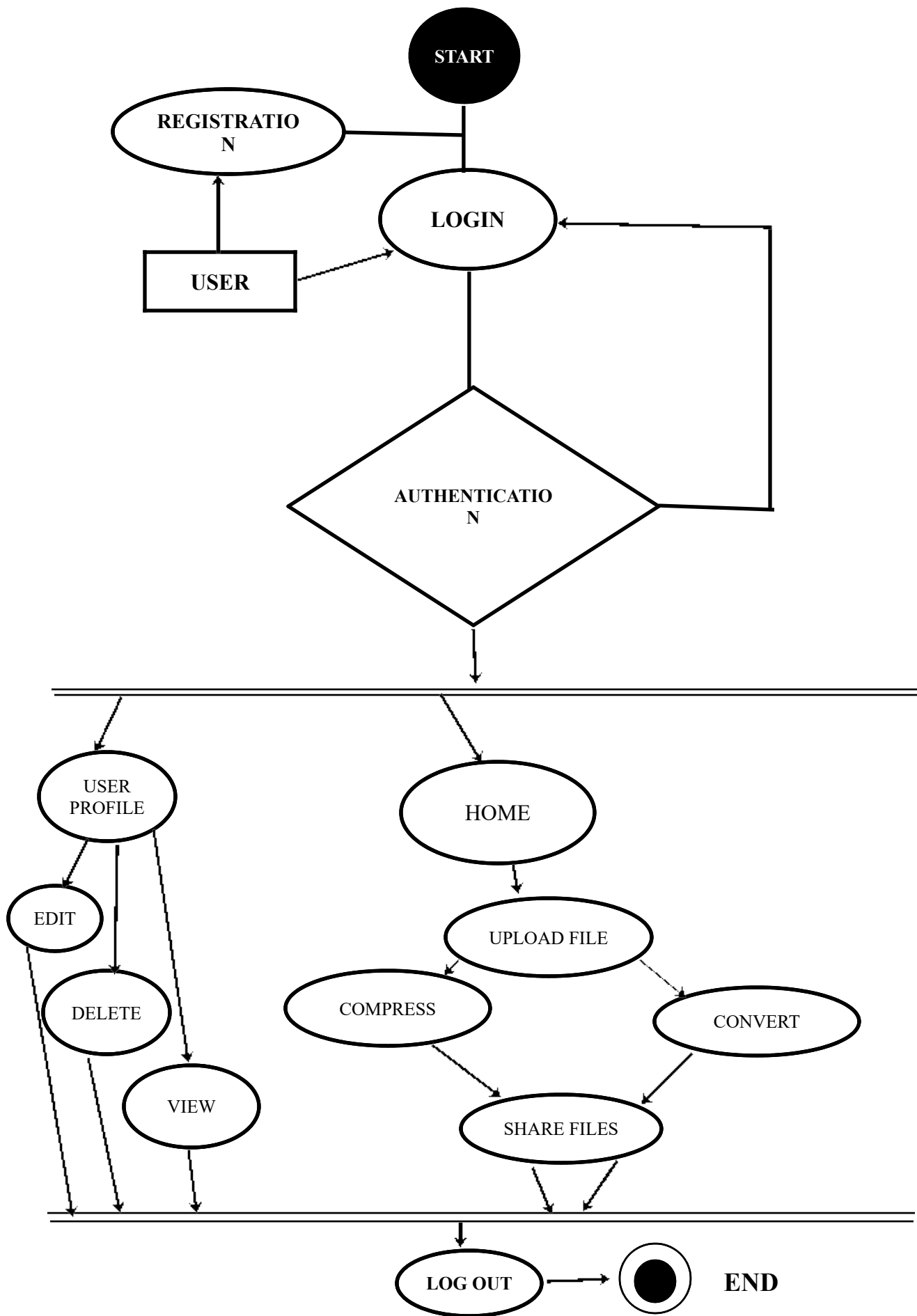


- DFD is graphical representation of a system that shows data flows to , from and within the system.
- These are used to depict specific data flows from both physical & logical view point.
- The DFD's are divided into different levels starting from 0-level we get the final description of system.

2 - Level DFD



ACTIVITY DIAGRAM



2. DATA DESIGN

2.1 DATABASE DESCRIPTION

The Firebase Realtime Database is a cloud-hosted NoSQL database that lets you store and sync data between your users in realtime.

Registration Database:

field	Type	Description	Constraints
Username	String	Name of the User	Unique
Mail_id	String	Email Address	Primary
Password	String	To Authorize User Identity	Unique

Login Database:

Field	Type	Description	Constraints
Username	String	Name of the User	Unique
Password	String	To authorize the user	Unique

3. USER INTERFACE DESIGN

3.1 Detailed description of components

3.1.1 Registration Module

Description of Component:

In this module, user information is taken and stored in the database. The information includes basic details of user. Further this information is used in login module to authenticate user.

Interface Description:

Input: Username, Password, Email-id

Output: The Home page will open

3.1.2 LOGIN MODULE:

Description of component:

In this module, user enters their unique username and password to further interact with the system. This makes the system more satisfied and guard from any unauthorized access and only valid and legitimate users can access the system.

Interface Description:

Input: Username and Password

Output: If the details are authenticated home page will open up otherwise access will be denied.

3.1.3 LOGOUT MODULE:

Description of component:

In this module, the user ends their access to web application temporarily. This informs the system that the user wishes to end their login session. Logging out helps prevent other users from accessing the system without verifying their credentials. It also helps protect the current user's access or prevent unauthorized actions on the current login session and is thus an important part of security.

Interface Description:

Input:Click on logout icon

Output:Login Session will end