# Web based User Identification System

**1.1 Purpose**

The purpose of this document is to provide the specifications for the software which is to be developed. The purpose of the Web based User Identification system is to create a signin page and logging in to the profile page. Else we can create account.

**1.2 Scope**

The software product to be produced is called Web based User Identification system. This program is to be a standalone executable which provides an interface to useraccount database. The program is easy to use, so that users can easily add and verify their details as necessary.

**1.3 Definitions, Acronyms and Abbreviations**

DBMS – Database Management System

GUI – Graphical User Interface

IEEE – Institute of Electrical and Electronics Engineers

OS – Operating System

SQL – Server Query Language

**1.4 Tools Used**

* HTML
* CSS
* PHP
* MySQL
* Xampp/Wamp server

**1.5 References**

[www.tutorialspoint.com](http://www.tutorialspoint.com)

www.stackoverflow.com

**1.6 Overview**

The remainder of this document will discuss the requirements of the project. It will discuss the overall description of the product, to include its perspective and functions. It will also discuss the specific requirements such as functional requirements, performance requirements, and design constraints.

**2. General Description**

**2.1 Product Perspective**

The software requires a connection to a database server containing the user account database. The program will be executed as a standalone application on a single machine. The application may be executed on multiple machines simultaneously. The user will interact with the program via a GUI. The user will use both the mouse and keyboard for input and all information will be outputted to the monitor.

**2.2 Product Functions**

**2.21 Add Function**

This function will be used to add new account to the database.

**2.22 Connect Function**

Connects to the database server.

**2.23 Disconnect Function**

Disconnects from the database server.

**2.24 Setup Function**

Used to set-up the program. Allows server information to be entered and additional options.

**2.3 User Characteristics**

The user should have knowledge of how to operate in a Windows environment. They must be able to execute the program. The user may have to know how to connect to the network in order to allow the program to connect to the database server. The user will not have to understand databases nor SQL.

**2.4 General Constraints**

The program is designed to be executed on a PC running a Windows OS. The GUI will be implemented using Xampp.

**2.5 Assumptions and Dependencies**

The program will be executed on a Windows OS platform. Connection to the server will be available for all times at which the program is to be used.

**3. Specific Requirements**

**3.1 Functional Requirements**

**3.1.1 Database Server Functions**

3.1.1.1 – Connect\_Db – Connects to the database server.

a. Receives server information from Server\_Info.

b. Connects to database server.

c. Display success/error message.

3.1.1.2 – Server\_Info – Gets information about the server.

a. Opens file setup.info.

b. Reads in server information.

3.1.1.3 – Server\_Auth – Performs server authentication.

a. Retrieves username and password from user.

b. Supplies login information to server.

3.1.1.4 – Disconnect\_Db – Disconnects from the database server.

**3.2 External Interface Requirements**

**3.2.1 File System**

Images of merchandize will be stored under the images directory. The file setup.info will be used to store setup information about the program and database server.

**3.2.2 User Interface**

The user will utilize the GUI to input required information. The user will be able to click on-screen buttons to maneuver around the program. The user will also be able to click on fields to enter text into the fields. The user will be able to use the tab key to move between fields.

**3.3 Performance Requirements**

The program should run at such a speed that the user can move at his/her own place, without noticing interruption due to processing.

**3.4 Design Constraints**

The program is designed for and will only operate under the Windows OS.

**3.5 Attributes**

**3.5.1 Reliability**

The software should not have any reliability issues. The software will be thoroughly tested and any issues resolved.

**3.52 Availability**

The software will execute as a standalone system so as long as the machine is running, the program will be available. The key to maintaining availability will be by ensuring a connection to the database server is available. Failure to connect to the database will make data unavailable.

**3.53 Security**

This software is intended to communicate over an internal network, therefore security is of little concern. The user will have to enter the username and password so the program can connect to the database server.

**3.54 Maintainability**

The software will be composed of various modules decreasing the complexity of expansion.

**Sample:**



