## Design Goals

**Understandability:** because of our web site design, this web site is easy to use. Our web site’s interface is clear for users and managers.

**Availability:** Our system is always available. Because customers can always give order.

**Maintainability**; our website can be maintained by managers.

**Reliability:** admin, user, product, order, etc. information which is used our web site is stored in MySQL database, this situation decreases error level.

**Security:** In this web site we use **C**lient – **S**erver **M**odel, in this situation, server gives us database server service. This condition makes our web page more secure.

**Safety:** Each customer can only access their own information. And also everyone with internet and computer can order, it does not harm people and people.

## Definitions, Acronyms, and Abbreviations

ID:  **Id**entification

RAD: **R**equirement **A**nalysis **D**ocument

SDD: **S**ystem **D**esign **D**ocument

HTML: **H**yper **T**ext **M**arkup **L**anguage

PHP: **H**ypertext **P**reprocessor **P**age

CSS: **C**ascading **S**tyle **S**heets

MySQL: **My** **S**tructured **Q**uery **L**anguage

CSM: **C**lient – **S**erver **M**odel

## Persistent Data Management

All data are to be stored in MySQL database which have 8 table which are “admin”, “category”, “contact”, “forgatpassword”, “order”, “product”, “shoppingcart”, “user”. Login Information of manager is stored form “admin” table, and admin table is used to Authentication for manager. “Category” table is used to store categorize product. If users write message, contact table is used to store massages which were written us. “forgatpassword table”, if our costumer forget his / her password, our costumer writes us, and we want to write his / her user name, first name, last name , email address. These values are insert in “forgatpassword table”. “product table” is used to store product information, which we have. Our customer wanted to give order and he / she add cart which is wanted to buy, order which is added in shopping is stored in “shoppingcart” table which have **username, product\_name, product\_price**. In our payment page this table is used to list shopping cart. Order which is given by all costumers is stored in “order” table. And finally, our customers are stored in “user” table. “user” table is used to Authentication for customers.

**Admin**



**Category**



**Contact**



**forgatpassword**



**order**



**product**



**shoppingcart**



**user**



ALL TABLES



**3.4. Access Control and Security**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Admin | Product Manager | User | Visitor |
| Stockroom | DisplayStockRoom |  |  |  |
| Order | DisplayOrders  UpdateOrders  DisplayOrdere | DisplayOrders  UpdateOrders |  |  |
| Manager | AddManager  DeleteManager  Update Manager  DisplayManager |  |  |  |
| User | AddUser  DeleteUser  UpdateUser  DisplayUser |  |  |  |
| Product |  | AddProduct  DeleteProduct  UpdateProduct  SearchProduct | DisplayProductList  AddToCart | DisplayProductList |
| Category |  | AddCategory  DeleteCategory  UpdateCategory | DisplayCategories | DisplayCategories |
| Contact |  | ShowContactList | WriteMassageContactForm | WriteMassageContactForm |
| ForgatPassword |  | ShowForgatPasswordList | WriteMassageContactForm | WriteMassageContactForm |

**4. Subsystem Services**

**Admin and product manager logins with use MySQL database with admin table**

Admin have authorization to show order and stockroom, and admin can insert, delete, and update manager and also user. And admin can show orders and gain from orders.

Product manager has more authority than admin. Product manager can insert, delete, and update product and category. Information of category is stored in category table and Information of product is stored in product table. Product Manager can show contact and forgat password. If User contacts us when user writes his / her details, these details are saved contact table. And product manager can show these massage to use contact table from database. For forgat password, forgatpassword table is used. And information of category is stored category table.

**Admin and product manager logins with use MySQL database with user table**

User can show category, product, add to cart which product user want to buy. categories, and products are showed with use category and product table. When user add to cart, these values are inserted shoppingbox table.

Visitor can only show categories and products.