**Computer Store Requirements**

# **Registration**

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| **Req. No** | **Requirements** | **Comments** |
| **Registration** | | |
| **1** | Customer should be able to register with valid username. Password, address/P.O box, phone number, and email. |  |
| **2** | Username and password should be 3-15 characters long. |  |
| **3** | Username and password should contain only alphabets, characters, and periods. | Cannot have special characters, spaces, or empty string |
| **4** | Username and password should be valid from above two requirements |  |
| **5** | Email,Address, and Phonenumber should be valid. | Cannot have special characters, spaces, or empty string. Exception is phone number can contain "-". Email address can contain "@" symbol |
| **6** | if password, email,address, and phonenumber are valid, Customer should be able to change password |  |
| **7** | if password, email,address, and phonenumber are valid, Customer should be able to change email |  |
| **8** | if password, email,address, and phonenumber are valid, Customer should be able to change address/P.O box |  |
| **9** | if password, email,address, and phonenumber are valid, Customer should be able to change phone number |  |
| **10** | if password, email,address, and phonenumber are not valid, display label stating that the account information that was entered is invalid. Clear all text boxes with account information. |  |

# **Products**

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| **Req. No** | **Requirements** | **Comments** |
| **Products** | | |
| **1** | Create a new table displaying all the products of the computer store. |  |
| **2** | Product table should include necessarily fields like product id, product name, brand, category, etc. |  |
| **3** | Admin User should be able add a product |  |
| **4** | Admin User can remove a product |  |
| **5** | Admin User or Client User can get a list of of all the products |  |
| **6** | Client User should be able to select row or select a cell of a product and place an order. |  |
| **7** | Category field should be created in order to filter the products by a category. | Category field will contain fields such as Desktop, Laptops, Accessories, Other, etc. |
| **8** | Admin User and Client User can filter products by category field |  |

# **Orders**

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| **Req. No** | **Requirements** | **Comments** |
| **Orders** | | |
| **1** | Create a new table displaying all the orders of the computer store. |  |
| **2** | order table should include necessarily fields like order number, Username, quantity, product, etc. |  |
| **3** | Client User should be able place an order |  |
| **4** | Client User should cancel an order |  |
| **5** | Client User can get a list of just their current orders |  |
| **6** | Admin User can get a list of of all the orders |  |
| **7** | Client User should be able to select row or select a cell of a product and place an order. |  |
| **8** | Category field should be created in order to filter the orders by a category. | Category field will contain fields such as Desktop, Laptops, Accessories, Other, etc. |
| **9** | Admin User and Client User can filter products by category field |  |
| **10** | Customer can only place an order when quantity of product is greater 0. |  |

# **Admin Login**

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| **Req. No** | **Requirements** | **Comments** |
| **Admin Login** | | |
| **1** | Admin user should login successfully |  |
| **2** | Admin user should login successfully |  |
| **3** | Admin username and password should go through same validation as client |  |
| **4** | Admin can |  |
| **5** | If admin check box is checked, and admin user login successfully. Admin form should be seen. |  |
| **6** | Admin should be able to add a User |  |
| **7** | Admin should be able to remove a User |  |
| **8** | Admin should be able to get list of all Users |  |
| **9** | Admin should be able to get list of all Products |  |
| **10** | Admin should be able to get list of all Orders |  |
| **11** | Admin can remove products |  |
| **12** | Admin can remove orders |  |
| **13** | Admin should not be able to change a User's Password |  |
| **14** | Admin should not be able to see a User's Password |  |

# **Customer Account Information**

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| **Req. No** | **Requirements** | **Comments** |
| **Customer Account Information** | | |
| **1** | Customer can view all account information |  |
| **2** | Account information should include their first name, middle name, last name, address, phone number, and email |  |
| **3** | Before the customer changes their account information, There should validation checks to ensure password, email,address, and phonenumber are valid. |  |
| **4** | if password, email,address, and phonenumber are valid, Customer should be able to change password |  |
| **5** | if password, email,address, and phonenumber are valid, Customer should be able to change email |  |
| **6** | if password, email,address, and phonenumber are valid, Customer should be able to change address |  |
| **7** | if password, email,address, and phonenumber are valid, Customer should be able to change phone number |  |
| **8** | if password, email,address, and phonenumber are not valid, display label stating that the account information entered is invalid. Clear all text boxes with account information. |  |