**E-commerce Mobile Shop Project**

**SRS**

**Version History**

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| --- | --- | --- | --- |
| **Date** | **Description** | **Author** | **Comment** |
| 22 Mar 2024 | V 1.0 | M. Ramzy, M. Kassas | Initial draft |

**1. Introduction**

The E-commerce mobile shop project aims to provide a facility to make any customer buy any mobile phone from any supplier available.

This release will have limited features. Over a period of time, new functionalities will be added to the website.

**1.1 Purpose**

The Purpose of this document is to outline the software requirement specifications for the website to be developed. This document will be used by all stakeholders including developers and testers.

**1.2 Scope**

The scope of this project is limited to the testing of the features described in the succeeding sections of this document.

Non-functional testing like stress, performance is beyond scope of this project. Automation testing is beyond scope.

Functional testing & external interfaces are in scope and need to be tested.

The e-commerce website will be only compatible with Chrome version 95 or above and Firefox version 77 or above.

**2. Specific Requirements**

**The E-commerce mobile shop website will have 3 roles:**

1. **Client**
2. **Supplier**
3. **Admin**

**Following features/modules will be available to these 3 different roles**

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| **Feature Name** | **Applicable Roles** | **Description** |
| **Registration** | Client  Supplier | A Client or Supplier can create a new account using full name, email, gender and the role (Client or Supplier) as main required input values. |
| **Login** | Client  Supplier  Admin | A Client or Supplier or Admin can login using username and password as main required input values. |
| **Admin Panel** | Admin | This module provides an admin with the ability to manage the system. The admin can perform the following actions:   * Delete any user that exists in the database * Delete any item that exists in the database |
| **Purchase History** | Client | This module allows users to view their purchase history. The system retrieves and displays a list of previous transactions, including the following details:   * Date of the transaction * Product names * Quantity of each product * Total cost of the transaction |
| **Supplier Dashboard** | Supplier | This module allows supplier to add new item for sale and providing the required info of the item from the store management panel. |
| **Client Dashboard** | Client | This module allows client to view items based on category selected from Product Categories Feature and allow to add item to the cart and opening the cart to view the item present to checkout or closing the cart and back again to shopping. |
| **Payment Methods** | Client | This module allows client to add shipping address and choose the desired payment method. |
| **Summary** | Client | This module allows client to see summary regarding the order status whether it’s placed or not (if visa option selected and transaction declined) and also info regarding the order including items purchased, it’s quantity and the total cost paid. |

**2.1 Front End Details**

**Registration**

* Client Full Name
* Gender
* Email
* Role

**Login**

* Username
* Password
* Forget your password

**Admin Panel**

* Delete User:
  + User ID: [Input field]
  + Delete Button
* Delete Item:
  + Item ID: [Input field]
  + Delete Button

**Purchase History**

* Date: [Display field]
* Product Names: [Display field]
* Quantity: [Display field]
* Total Cost: [Display field]

**Supplier Dashboard**

* Store Management [Side Panel]
  + Add New Item [Link]
    - item name [input field]
    - item category [Drop down menu] with options:
      * Mobile Phones
      * Accessories
    - item description [input field]
    - item price [input field]
    - and item photo [upload file option]
    - Submit [Button]

**Client Dashboard**

* Product Categories [Side Panel] ”hidden until the specified icon is clicked”
  + Mobile Phones [Link]
  + Accessories [Link]
* Available Products [Center Panel]
  + each product present must display:
    - product name [Display field]
    - product price [Display field]
    - product photo [Display image]
    - Add to Cart [button]

**Card module**

* **The cart [Icon with link]**
  + Items present in cart:
    - item name [Display field]
    - item quantity [Display field]
  + Increase quantity [Button]
  + Decrease quantity [Button]
  + Remove item [Button]
  + Total Cost [Display field]
* **Payment Methods**
  + Total cost [Display field]
  + Payment options:
    - Cash [Check box]
    - Visa [Check box]
  + Address Bar [Input field]
  + Submit [Submit Button]
* **Summary [pop-up message]** ”hidden until the specified button is clicked”
  + Order Status
  + Items purchased
  + Item Quantity
  + Total cost

**2.2 Technical Requirements**

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| **Req ID** | **Module Name** | **Description** | **Scenario** |
| OMS\_SRS\_Reg\_01 | Registration | The system allows users to register by providing their personal information. | 1- The user enters their **full name:**   * a string of characters * numbers are not allowed * special characters are not allowed   2- The user selects their **gender** (either male or female)  3- The user provides a valid **email address** in the format: characters@domain.com  4- The user chooses their **role** (either Client or Supplier).  5- The user sets a **password** that meets the following criteria:   * At least **8 characters** long. * Contains at least **1 uppercase letter**. * Includes at least **1 special character.**   6- The user **confirms** their password by re-entering it.  7- A message appear:  “**You registered successfully**.”  and redirect them to the login page |
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| OMS\_SRS\_Reg\_02 | Registration | the user entered an **invalid name** format | 1- The user enters their invalid **full name** according to requirement with id: **OMS\_SRS\_Reg\_01 step 1**  2- The user selects their **gender** (either male or female)  3- The user provides a valid **email address** in the format: characters@domain.com  4- The user chooses their **role** (either Client or Supplier).  5- The user sets a **password** that meets the following criteria:   * At least **8 characters** long. * Contains at least **1 uppercase letter**. * Includes at least **1 special character.**   6- The user **confirms** their password by re-entering it.  7- A message appear beside the full name field: “name must be character only.” |
| OMS\_SRS\_Reg\_03 | Registration | the user does not explicitly choose a **gender** (Male or female) | 1- The user enters **full name** (a string of characters with no numbers or special characters).  2- The user does not select their **gender** (either male or female)  3- The user provides a valid **email address** in the format: characters@domain.com  4- The user chooses their **role** (either Client or Supplier).  5- The user sets a **password** that meets the following criteria:   * At least **8 characters** long. * Contains at least **1 uppercase letter**. * Includes at least **1 special character.**   6- The user **confirms** their password by re-entering it.  7- A message appear beside the gender field: “choose the gender.” |
| OMS\_SRS\_Reg\_04 | Registration | the user entered an **invalid email** format | 1- The user enters their **full name** (blank or entered numbers or special character).  2- The user selects their **gender** (either male or female)  3- The user provides an invalid **email address** according to requirement with id: **OMS\_SRS\_Reg\_01 step 3**  4- The user chooses their **role** (either Client or Supplier).  5- The user sets a **password** that meets the following criteria:   * At least **8 characters** long. * Contains at least **1 uppercase letter**. * Includes at least **1 special character.**   6- The user **confirms** their password by re-entering it.  7- A message appear beside the field: “**email format is invalid**” |
| OMS\_SRS\_Reg\_05 | Registration | the user entered an existed **email** in the database | 1- The user enters their **full name** (blank or entered numbers or special character).  2- The user selects their **gender** (either male or female)  3- The user provides an **email address** that already exists in data base  4- The user chooses their **role** (either Client or Supplier).  5- The user sets a **password** that meets the following criteria:   * At least **8 characters** long. * Contains at least **1 uppercase letter**. * Includes at least **1 special character.**   6- The user **confirms** their password by re-entering it.  7- A message appear beside the field: “**email already exists**” |
| OMS\_SRS\_Reg\_06 | Registration | the user does not explicitly choose a **role** (either Client or Supplier). | 1- The user enters their **full name:**   * a string of characters * numbers are not allowed * special characters are not allowed   2- The user selects their **gender** (either male or female)  3- The user provides a valid **email address** in the format: characters@domain.com  4- The user does not choose their **role** (either Client or Supplier).  5- The user sets a **password** that meets the following criteria:   * At least **8 characters** long. * Contains at least **1 uppercase letter**. * Includes at least **1 special character.**   6- The user **confirms** their password by re-entering it.  7- A message appear beside the field: “choose the Role.” |
| OMS\_SRS\_Reg\_07 | Registration | the user entered an invalid password format | 1- The user enters their **full name** (blank or entered numbers or special character).  2- The user selects their **gender** (either male or female)  3- The user provides a valid **email address** in the format: characters@domain.com  4- The user chooses their **role** (either Client or Supplier).  5- The user sets an **invalid** **password** that does not meet the criteria mentioned in requirement with id: **OMS\_SRS\_Reg\_01 step 5**  6- The user **confirms** their password by re-entering it.  7- A message appear beside the field: “weak password” |
| OMS\_SRS\_Reg\_08 | Registration | the user did a mistake in password confirmation | 1- The user enters their **full name:**   * a string of characters * numbers are not allowed * special characters are not allowed   2- The user selects their **gender** (either male or female)  3- The user provides a valid **email address** in the format: characters@domain.com  4- The user chooses their **role** (either Client or Supplier).  5- The user sets a **password** that meets the following criteria:   * At least **8 characters** long. * Contains at least **1 uppercase letter**. * Includes at least **1 special character.**   6- The user entered a password that does not match the previously entered password.  7- A message appear beside the field: “**password does not match**” |
| OMS\_SRS\_Log\_01 | Login | The system allows users to log in by providing their account information. | 1. The user enters a **valid username** as the email address. The email address must be already **existed** in the database 2. The user enters a **valid password** that matches the password associated with their username in the database. 3. The user logged in and redirected them to the home page based on his/her role (Client or Supplier). |
| OMS\_SRS\_Log\_02 | Login | the user entered an invalid either password or username | 1. The user enters an **invalid username** as mentioned in the requirement with id:   **OMS\_SRS\_** **Log \_01 step 1**   1. The user enters an **invalid password** as mentioned in the requirement with id:   **OMS\_SRS\_** **Log \_01 step 2**   1. The user could not log in and a generic message appears:   “**password or username is wrong**” |
| OMS\_SRS\_AdmP\_01 | Admin Panel | The admin can delete an existed user | 1. The admin logs in to the system. 2. From the admin dashboard, the admin selects the “**Delete User**” option. 3. The admin enters an existed username or user ID of the user they want to delete. 4. The system confirms the deletion and removes the user from the database. 5. Successful deletions result in confirmation messages “**Successful Deleted**” |
| OMS\_SRS\_AdmP\_02 | Admin Panel | The admin can not delete a user without being already existed in database | 1. The admin logs in to the system. 2. From the admin dashboard, the admin selects the “**Delete User**” option. 3. The admin enters an invalid username as mentioned in the requirement with id:   **OMS\_SRS\_** **AdmP\_01** **step 3**   1. A message appears:   “**user does not exist**” |
| OMS\_SRS\_AdmP\_03 | Admin Panel | The admin can delete an existed item | 1. The admin logs in to the system. 2. From the admin dashboard, the admin selects the “**Delete Item**” option. 3. The admin enters the item ID or name of the item they want to delete 4. The system confirms the deletion and removes the item from the inventory. |
| OMS\_SRS\_AdmP\_04 | Admin Panel | The admin cannot delete an item without being already existed in database | 1. The admin logs in to the system. 2. From the admin dashboard, the admin selects the “**Delete Item**” option. 3. The admin enters an invalid item ID or name of the item as mentioned in the requirement with id:   **OMS\_SRS\_ AdmP\_01** **step 3**   1. A message appears:   “**Item does not exist**” |
| OMS\_SRS\_ Hist\_01 | Purchase History | The user can easily track their buying history | 1. The client logs in to their account. 2. From the client dashboard, the client selects the “**Purchase History**” option. 3. The system retrieves and displays a list of previous transactions.   Each transaction includes:   * Date * Product names * Quantity * Total cost  1. A list appears with at least the last **10 purchased items** if exists. |
| OMS\_SRS\_ Hist\_02 | Purchase History | The user to check buying history while it is empty | 1. The client logs in to their account as mentioned in the requirement with ID: **OMS\_SRS\_Log\_01 steps 1 and 2.** 2. From the client dashboard, the client selects the "Purchase History" option. 3. The system indicates that no purchase history is available without displaying any transaction details. |
| OMS\_SRS\_Core-B\_01.1 | Core Business Rules | The supplier can sell any item to any client | 1- The **supplier** logs into their account.  2- From the supplier dashboard, the supplier selects “**store management”** and click on “**Add New Item**” button.  3- then fill item info composed of:   * item name * item category * item description * item price * and item photo.   4- then **submit** the form by clicking on **Submit** button.  5- the item is displayed on the website for clients. |
| OMS\_SRS\_Core-B\_01.2 | Core Business Rules | The client can not sell any item to any other person | 1- The **client** logs into their account.  2- From the client dashboard, the client can view recent shopped items, wish list.  3- There is **no** option of **“store management”** or any supplier features which limit client account into being a buyer ONLY. |
| OMS\_SRS\_Core-B\_02 | Core Business Rules | The client can view items by categories | 1- The **client** logs into their account.  2- From the client dashboard, the client can view items by Categories (e.g. Mobile phones, chargers, accessories, etc.)  3- the client can **select the category** from which the items in the **Available Products Panel** displayed is changed based on option selected. |
| OMS\_SRS\_Core-B\_03 | Core Business Rules | The client can view total items present in the cart and total cost. | 1- The **client** logs into their account.  2- From the client dashboard, the client can select items and add them to their cart using “**Add to Cart**”.  3- After the shopping journey is completed, the client can click on the cart to **view items present** in it and **total cost** of all items added by him. |
| OMS\_SRS\_Core-B\_04 | Core Business Rules | The supplier can not buy items as a client. | 1- The **supplier** logs into their account.  2- From the supplier dashboard, there is **no any client features** which allow him to buy items (e.g. no cart available, no add to cart button for each item). |
| OMS\_SRS\_Core-B\_05 | Core Business Rules | The supplier dashboard analytics not displayed | 1- The **supplier** logs into their account.  2- From the supplier dashboard, there is **no any analytics** regarding his business, **or any business metrics** displayed. |
| OMS\_SRS\_Core-B\_07.01 | Core Business Rules | The client can purchase using cash payment method. | 1- the client logs in and complete the shopping journey as mentioned in: **OMS\_SRS\_Core-B\_03**  2- then he will be able to continue the process by choosing **Purchase Method**  which are:   * Cash * Visa   3- the client chooses **Cash** and click on **Next;** then the client will be able to enter his address in **Address bar** and continue to final **Summary Feature** displaying message of the summary of the order which contain:   * Order Status * Items purchased * Item Quantity * Total cost |
| OMS\_SRS\_Core-B\_07.02 | Core Business Rules | The client can purchase using Visa payment method with successful response. | 1- the client logs in and complete the shopping journey as mentioned in: **OMS\_SRS\_Core-B\_03**  2- then he will be able to continue the process by choosing **Purchase Method**  which are:   * Cash * Visa   3- the client chooses **Visa** and click on **Next;** then the client will be able to enter his address in **Address bar** and website then redirect client to enter his card information of the bank API service which then return the response to the mobile shop website of the status of the transaction (whether succeed or failed) if **succussed** then the client will be able to continue to final **Summary Feature** displaying message of the summary of the order which contain:   * Order Status * items purchased * item Quantity * total cost |
| OMS\_SRS\_Core-B\_07.03 | Core Business Rules | The client can purchase using Visa payment method with failed response. | 1- the client logs in and complete the shopping journey as mentioned in: **OMS\_SRS\_Core-B\_03**  2- then he will be able to continue the process by choosing **Purchase** then the system redirects to the payment methods which are:   * Cash * Visa   3- the client chooses **Visa** and click on **Next;** then the client then will be able to enter his address in **Address bar** and website then redirect client to enter his card information of the bank API service which then return the response to the mobile shop website of the status of the transaction (whether succeed or failed)  if bank API service return **NOT** **succeed** then the website will display message of “**The order NOT succussed as Transaction is Declined!”**. |

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| OMS\_SRS\_Core-B\_08 | Core Business Rules | More than one error are exist in any module | Display the error with the minimum ID. |