**E-Shopper: Use Case Description**

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| **Use Case Number: 1** | | | |
| **Name** | | User account CRUD | |
| **Brief description** | | This use case allows user sign up to create account/login to read, update account. | |
| **Actors** | | User | |
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| **Pre-conditions** | | | |
| User must login before reading/updating the account. | | | |
| **Flows of Events:** | | | |
| **1.Basic Flows** | | | |
| **1.1.0 Create User Profile** | | | |
| **Step** | **User Actions** | | **System Actions** |
| 1 | The user goes to sign up page | | The system shows profile information form for the user to fill in:  - Name  - Email (used to login)  - Password/Password confirm  - Address: Street, City, State, Zip Code.  - Phone  - Avatar |
| 2 | The user fills in the profile information and request the system to create a new profile | | The system verifies input information:  - Email verification (existing, validation)  - Password is at least 6 character long  In case of failure verification, the system returns the message indicating the error.  Otherwise, the system creates a new profile in the database and return a success message. |
| **Post-conditions** | | | |
| The new profile is persisted in the system. | | | |
| **Business Rules** | | | |
| No duplicate profile. A unique account is identified by email address. | | | |
| **1.1.1 View User Profile** | | | |
| **Step** | **User Actions** | | **System Actions** |
| 1 | The user goes to login page | | The system shows login information for the user to fill in:  - Email  - Password |
| 2 | The user fills in login information and request the system to log in | | The system verifies the login information. In case of failure, the system returns a failure message. Otherwise, the system shows Logged in User Home page |
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| **1.1.2 Update User Profile** | | | |
| **Step** | **User Actions** | | **System Action** |
| 1 | The user goes to login page | | The system shows login information for the user to fill in:  - Email  - Password |
| 2 | The user fills in login information and request the system to log in | | The system verifies the login information. In case of failure, the system returns a failure message. Otherwise, the system shows Logged in User Home page |
| 3 | The user goes to My Account-Profile page | | The system displays an editable user profile form filled with the user profile details |
| 4 | The user updates the fields and request the system to save | | The system updates the user profile and returns failure/success message. |
| **Post-conditions** | | | |
| The user profile is updated. | | | |
| **Business Rule** | | | |
| The email field should be unwritable | | | |
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| **1.1.3 Delete User Profile** | | | |
| **Step** | **User Actions** | | **System Action** |
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| **Post-conditions** | | | |
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| **Business Rule** | | | |
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