**Unit Test Plan**

1. **Scope of Testing**

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| **Test Case ID** | **Test Feature** |
| UAT-01 | The customer can login to the system |
| UAT-02 | The customer can register themselves |
| UAT-03 | The customer can update their account information. |
| UAT-04 | The customer can search for the product name. |
| UAT-05 | The customer can browse the product from product catalog. |
| UAT-06 | The customer can add the product to cart. |
| UAT-07 | The customer can identify amount of the product. |
| UAT-08 | The customer can view the shopping cart. |
| UAT-09 | The customer can save the shopping cart. |
| UAT-10 | The customer can remove the product from shopping cart. |
| UAT-11 | The customer can select payment option. |
| UAT-12 | The customer can check out the product. |
| UAT-13 | The customer can view the shopping history. |
| UAT-14 | The customer can logout from the system. |
| UAT-15 | The administrator can login to the system. |
| UAT-16 | The administrator can provide details of the product. |
| UAT-17 | The administrator can view the shopping history of all customers. |
| UAT-18 | The administrator can logout from the system. |

1. **Unit Test List**

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| --- | --- |
| **ID** | **Name** |
| TC-U01 |  |
| TC-U02 |  |
| TC-U03 |  |
| TC-U04 |  |

TC-U01:

|  |  |
| --- | --- |
| **Test Case ID** |  |
| **Test Case Name** |  |
| **Test Description** |  |
| **Test Related Class** |  |
| **Test Date** |  |
| **Test Responsibility** |  |
| **Test by** |  |
| **Test Reviewer** |  |
| **Test Prerequisite** |  |

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| **Prepared Data Set** | **Table** | **Field** | **Prepare Data** |
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| --- | --- | --- | --- | --- |
| **Input** | | | | **Expected Result** |
| **ID** | **Case Name** | **Parameter** | **Value** | **Output** |
| TC-U01-1 |  |  |  |  |
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1. **System Test List**

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| **ID** | **Name** |
| TC-S01 | The system shall provide the registration interface, which receives the name, surname, address, username, password, and picture for register to the system. |
| TC-S02 | The system shall add customer information to the database using name, surname, address, username, password, and picture. |
| TC-S03 | The system shall provide the successful registration page. |
| TC-S04 | The system shall provide the user interface, which receives the name of product, description, and picture of product. |
|  | The system shall add the product information to the database using name, description, and picture of product. |
|  | The system shall provide the login user interface, which receives the username and password. |
|  | The system shall provide the successful login page. |
|  | The system shall validate the username and password. |
|  | The system can check the name format. The name format should be only character. |
|  | The system can check the surname format. The surname format should be only character. |
|  | The system can check the username format. The username format should be at least 4 characters. |
|  | The system can check the password format. The password format must be 4-20 characters. The password must contain small letter, capital letter, and number. |
|  | The system can check the picture format. The picture format must be only .jpg, .jpeg, and .png. |
|  | The system shall display the error message. “The name must be only characters” |
|  | The system shall display the error message. “The surname must be only characters” |
|  | The system shall display the error message. “The name length must less than 30 characters” |
|  | The system shall display the error message. “The surname length must less than 30 characters” |
|  | The system shall display the error message. “The username must be at least 4 characters” |
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TC-S01:

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| --- | --- |
| **Test Case ID** |  |
| **Test Function** |  |
| **Test Description** |  |
| **Owner** |  |
| **Pre-condition** |  |
| **Testing procedure** |  |

**Input Table Data**

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| --- | --- |
| **Input ID** | **Input Data** |
| TC-S01-1 |  |

**Expected Result Table**

|  |  |
| --- | --- |
| **Result** | |
| **Input ID** | **Expected Output** |
| TC-S01-1 |  |