# Unit Test Plan

## Objective

The objective of testing is to ensure that error of the application has been reduced. Similarly, this software Testing Document is to determine each kind of testing process of E-Shopping application. The developer team will design test case base on Software Requirement Specification document and Software Design Document.

## Scope

This Software Testing Document consists of records and results of testing for each function in E-Shopping application. This document will support verification and error detecting. Moreover, the content of this document is including testing schedule, testing processes, testing data, and testing result.

**UT-01 User registers**

**Description**: User registers to be a member for verifying user.

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| **Test case** | **Input** | **Expected result** |
| 1 | Username: princez  Password: coffeeprince  Name: Singha Leo  Address: 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Picture: coutinho.jpg | Result: True  Event: After input the valid information that consist of  Username=princez  Password=coffeeprince  Name=Singha Leo  Address=17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Picture=coutinho.jpg  Input information to the register page. Then the system will go to user’s profile page. |
| 2 | Username: arais  Password: salapao  Name: Frank Rosa  Address: Lampang, Thailand  Picture: null | Result: False  Event: After input the invalid information that are  Username=arais  Password=salapao  Name=Frank Rosa  Address= Lampang, Thailand  Picture=null  Then the error message will show “Please try again”. |
| 3 | Username: STVais  Password:cat  Name: Steve Vai  Address: U.S.A  Picture: vai.png | Result: False  Event: After input the invalid information that are  Username=STvai  Password= cat  Name= Steve Vai  Address= U.S.A  Picture=vai.png  Then the error message will show “Password must be between 4-20 characters”. |
| 4 | Username: yoyo  Password:fisherman  Name: Yohiki  Address: Alaska  Picture: yoyo.png | Result: False  Event: After input the invalid information that are  Username=yoyo  Password= fisherman  Name= Yoshiki  Address= Alaska  Picture=yoyo.png  Then the error message will show “Username must be between 6- 20 characters.”. |
| 5 | Username: JimiHendrix  Password:crossroad  Name: Jimi Hendrix  Address: Washington DC.  Picture: JIMI.gif | Result: False  Event: After input the invalid information that are  Username= JimiHendrix  Password=crossroad  Name=Jimi Hendrix  Address= Washington DC.  Picture=JIMI.gif  Then the error message will show “Allowed JPG and PNG file only”. |
| 6 | Username: gilbertP  Password:scarified  Name: Paul\_Gilbert  Address: Bangkok  Picture: ibanez.jpg | Result: False  Event: After input the invalid information that are  Username=gilbertP  Password=scarified  Name=Paul\_Gilbert  Address=Bangkok  Picture=ibanez.jpg Then the error message will show “Only alphabet is allowed in Name. |

**UT-02 User login**

**Description** Log in to the system.

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| **Test case** | **Input** | **Expected result** |
| 1 | Username:Princez  Password: null | Result: False  Event: After input the invalid information that are  Username: Princez  Password: null  Then the error message will show “Wrong ID or password” |
| 2 | Username: Princez  Password: greentea | Result: False  Event: After input the invalid information that are  Username: Princez  Password: greentea  Then the error message will show “Wrong ID or password” |
| 3 | Username: princez  Password: coffeeprince | Result: True  Event: After input the invalid information that are  Username: princez  Password: coffeeprince  Then the error message will show “Then the system goes to the user profile page. |

**UT-03 User logout**

**Description:** User log out from the system.

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| **Test case** | **Input** | **Expected result** |
| 1 | Press log out button. | Result: True  Event: After the user press the log out button from the menu, the system will Log out that user from the system |

**UT-04 User edits profile**

**Description:** User updates profile.

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| **Test case** | **Input** | **Expected result** |
| 1 | Username: princez  Password: icecoffee  Name: Singha Leo  Address: 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Picture: coutinho.jpg | Result: True  Event: After input the valid information that consist of  Username=princez  Password=icecoffee  Name=Singha Leo  Address=17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Picture=coutinho.jpg  Input information to the register page. Then the system will save and take user’s profile page. |
| 2 | Username: princez  Password: coffeeprince  Name: Singha Leo  Address: 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Picture:null | Result: false  Event: After input the valid information that consist of  Username=princez  Password=coffeeprince  Name=Singha Leo  Address=17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Picture=null  Then the error message will show “Please try again”. |
| 3 | Username: princez  Password: ice  Name: Singha Leo  Address: 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Picture: coutinho.jpg | Result: false  Event: After input the valid information that consist of  Username=princez  Password=ice  Name=Singha Leo  Address=17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Picture= coutinho.jpg  Then the error message will show “Please try again”. “Password must be between 4-20 characters”. |
| 4 | Username: koko  Password: icecoffee  Name: Singha Leo  Address: 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Picture: coutinho.jpg | Result: false  Event: After input the valid information that consist of  Username=koko  Password=icecoffee  Name=Singha Leo  Address=17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Picture=coutinho.jpg  Then the error message will show “Username must be between 6- 20 characters.”. |
| 5 | Username: princez  Password: coffeeprince  Name: Singha Leo  Address: 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Picture: coutinho.gif | Result: False  Event: After input the invalid information that are  Username= princez  Password=coffeeprince  Name= Singha Leo  Address= 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Picture=coutinho.gif  Then the error message will show “Allowed JPG and PNG file only”. |
| 6 | Username: princez  Password: coffeeprince  Name: Singha\_Leo  Address: 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Picture: coutinho.jpg | Result: False  Event: After input the invalid information that are  Username=princez  Password=coffeeprince  Name=Singha\_Leo  Address=17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Picture=coutinho.jpg  Then the error message will show “Only alphabet is allowed in Name. |

**UT-05 User search product**

**Description:** Customer looking for the product that they want.

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| **Test case** | **Input** | **Expected result** |
| 1 | Power bank | Result: True  Event: After the user search the system will show the product that its name was related to this word. |

**UT-06 User add product to cart**

**Description:** Customer add the product that they want to the cart

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| **Test case** | **Input** | **Expected result** |
| 1 | Click add button | Result: True  Event: After the user click button the system will take user to the cart’s page. |

**UT-07 User delete product from cart**

**Description:** Customer deletes the product from the cart.

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| **Test case** | **Input** | **Expected result** |
| 1 | Click delete button | Result: True  Event: After the user click button the system will delete the product from the cart. |

**UT-08 User chooses payment**

**Description:** Customer choose payment

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| **Test case** | **Input** | **Expected result** |
| 1 | Name: Singha Leo  Delivery Address: 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Billing Address: 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Payment option: PayPal | Result: True  Event: After input the valid information that consist of  Name= Singha Leo  Delivery Address= 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Billing Address= 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Payment option= PayPal  Input information to the register page. Then the system will show “Successful” |
| 2 | Name: Singha Leo  Delivery Address: 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Billing Address: null  Payment option: null | Result: False  Event: After input the invalid information that are  Name= Singha Leo  Delivery Address= 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Billing Address= null  Payment option= null  Then the error message will show “Please try again”. |
| 3 | Name: Singha\_Leo  Delivery Address: 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Billing Address: 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Payment option: PayPal | Result: False  Event: After input the invalid information that are  Name= Singha Leo  Delivery Address= 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Billing Address= 17, M.2, Hang dong, Chiang Mai, Thailand, 50230  Payment option= PayPal  Then the error message will show “Only alphabet is allowed in Name”. |

**UT-09 Admin login**

**Description:** Admin login to system

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| **Test case** | **Input** | **Expected result** |
| 1 | Username:admins  Password: null | Result: False  Event: After input the invalid information that are  Username: admins  Password: null  Then the error message will show “Wrong ID or password” |
| 2 | Username: Admins  Password: admin | Result: False  Event: After input the invalid information that are  Username: Admins  Password: admin  Then the error message will show “Wrong ID or password” |
| 3 | Username: admins  Password: admin | Result: True  Event: After input the invalid information that are  Username: admins  Password: admin  Then the error message will show “Then the system goes to the main page. |

**UT-10 Admin logout**

**Description:** Admin log out from the system.

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| **Test case** | **Input** | **Expected result** |
| 1 | Press log out button. | Result: True  Event: After the user press the log out button from the menu, the system will Log out that user from the system |

**UT-11** **Admin add product**

**Description:** Admin can add product to system

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| **Test case** | **Input** | **Expected result** |
| 1 | Product Name: Power bank  Cost: 1000.00  Information: It contain 12000mAh  Product picture: power\_bank.jpg | Result: True  Event: After input the valid information that consist of  Product Name=Power bank  Cost=1000.00  Information=It contain 12000mAh  Product picture=power\_bank.jpg  Input information to the register page. Then the system will show “Successful” |
| 2 | Product Name: Power bank  Cost: xxx.xx  Information: It contain 12000mAh  Product picture: power\_bank.jpg | Result: False  Event: After input the invalid information that are  Product Name= Power bank  Cost= xxx.xx  Information= It contain 12000mAh  Product picture= power\_bank.jpg Then the error message will show “Only number allows”. |
| 3 | Product Name: Power\_bank  Cost: 1000.00  Information: It contain 12000mAh  Product picture: power\_bank.jpg | Result: False  Event: After input the invalid information that are  Product Name: Power\_bank  Cost=1000.00  Information: It contain 12000mAh  Product picture: power\_bank.jpg Then the error message will show “Only alphabet is allowed in Name”. |
| 4 | Product Name: Power bank  Cost: 1000.00  Information: It contain 12000mAh  Product picture: power\_bank.gif | Result: False  Event: After input the invalid information that are  Product Name: Power bank  Cost=1000.00  Information: It contain 12000mAh  Product picture: power\_bank.jpg Then the error message will show “Allowed JPG and PNG file only”. |

**UT-12 Admin delete product.**

**Description** Admin can delete product from the system

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| **Test case** | **Input** | **Expected result** |
| 1 | Click delete button | Result: True  Event: After the user click button the system will delete the product from the system. |

**UT-13 Admin edit product**

**Description:** Admin can edit product in system

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| **Test case** | **Input** | **Expected result** |
| 1 | Product Name: Power bank  Cost: 1200.00  Information: It contain 12000mAh  Product picture: power\_bank.jpg | Result: True  Event: After input the valid information that consist of  Product Name=Power bank  Cost=1200.00  Information=It contain 12000mAh  Product picture=power\_bank.jpg  Input information to the register page. Then the system will show “Successful” |
| 2 | Product Name: Samsung\_Power\_Bank  Cost: 1000.00  Information: It contain 12000mAh  Product picture: power\_bank.jpg | Result: False  Event: After input the invalid information that are  Product Name: Samsung\_Power\_Bank  Cost=1000.00  Information: It contain 12000mAh  Product picture: power\_bank.jpg Then the error message will show “Only alphabet is allowed in Name”. |
| 3 | Product Name: Power bank  Cost: 1000.00  Information: It contain 12000mAh  Product picture: bank.gif | Result: False  Event: After input the invalid information that are  Product Name: Power bank  Cost=1000.00  Information: It contain 12000mAh  Product picture: bank.gif  Then the error message will show “Allowed JPG and PNG file only”. |

**UT-14 Admin see history**

**Description:** Admin can see the history of customer

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| **Test case** | **Input** | **Expected result** |
| 1 | Press history button. | Result: True  Event: After the user press the log out button from the menu, the system will show the history of customer. |