**Unit Test (Non-Functional Requirement)**

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| Test Case ID : TC1101 | | Test by : Tanawan |
| Test Priority : Medium | | Test date : 15/5/58 |
| Application : Wat Duang Dee Web Application | | Module Name : |
| Test Title : Test response (performance) | | Description : Check response time when user interaction with website |
| Time Estimation : 00:10 (HH:MM) | | Test Level : Unit testing |
| Pre-Conditions  - user must press a button within the website  - Roles Simulated : admin, member, guest | | |
| Step | Test Steps | |
| 1 | Open www.watduangdee.com | |
| 2 | User click some button menu within the website | |
| 3 | The system receive user request | |
| Expected Result | | Actual Result |
| The system should response to the request within 2 seconds | | The system should response to the request within 2 seconds |
| Post-Conditions : User can interact with web application within short time. | | |

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| Test Case ID : TC1102 | | Test by : Tanawan |
| Test Priority : Medium | | Test date : 15/5/58 |
| Application : Wat Duang Dee Web Application | | Module Name : |
| Test Title : Test data security | | Description : Check security of the system when there is someone who is not a member try to get internal data of members from the website by copying the URL. |
| Time Estimation : 00:10 (HH:MM) | | Test Level : Unit testing |
| Pre-Conditions  - must have at least one member  - Roles Simulated : admin, member, guest | | |
| Step | Test Steps | |
| 1 | Open www.watduangdee.com | |
| 2 | log-in into the website as a member | |
| 3 | A person who are not member of the website copy the URL of that member | |
| 4 | Run that URL to unrecognized browser | |
| Expected Result | | Actual Result |
| The data of member must not be shown in unrecognized browser. | | The data of member not be shown in unrecognized browser. |
| Post-Conditions : Data of members of website are protected. | | |

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| Test Case ID : TC1103 | | Test by : Tanawan |
| Test Priority : Medium | | Test date : 15/5/58 |
| Application : Wat Duang Dee Web Application | | Module Name : |
| Test Title : Test stability | | Description : Check stable of the system when website is using by large number of people |
| Time Estimation : 00:10 (HH:MM) | | Test Level : Unit testing |
| Pre-Conditions    - Roles Simulated : admin, member, guest | | |
| Step | Test Steps | |
| 1 | Large number of people open [www.watduangdee.com](http://www.watduangdee.com) concurrently | |
| 2 | Large number of people have interaction with the website concurrently | |
| 3 | The system receive user request from many user concurrently | |
| Expected Result | | Actual Result |
| Web server must has no more than 0.1% to down | | Web server has no more than 0.1% to down |
| Post-Conditions : people can concurrent use the website | | |

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| Test Case ID : TC1105 | | Test by : Tanawan |
| Test Priority : Medium | | Test date : 15/5/58 |
| Application : Wat Duang Dee Web Application | | Module Name : |
| Test Title : Test various platform | | Description : Check ability of the system to run on various platform (Window, Linux, Mac, e.g.) |
| Time Estimation : 00:10 (HH:MM) | | Test Level : Unit testing |
| Pre-Conditions  - Roles Simulated : admin, member, guest | | |
| Step | Test Steps | |
| 1 | Open [www.watduangdee.com](http://www.watduangdee.com) on every type of platform | |
| Expected Result | | Actual Result |
| The website must be able to run on every type of platform | | The website can run on every type of platform |
| Post-Conditions : Users can open The website on every platform. | | |

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| Test Case ID : TC1105 | | Test by : Tanawan |
| Test Priority : Medium | | Test date : 15/5/58 |
| Application : Wat Duang Dee Web Application | | Module Name : |
| Test Title : Test various browser | | Description : Check ability of the system to run on various browser (IE, Google chrome, Firefox, e.g.) |
| Time Estimation : 00:10 (HH:MM) | | Test Level : Unit testing |
| Pre-Conditions  - Roles Simulated : admin, member, guest | | |
| Step | Test Steps | |
| 1 | Open [www.watduangdee.com](http://www.watduangdee.com) on every type of browser | |
| Expected Result | | Actual Result |
| The website must be able to run on every type of browser | | The website can run on every type of browser |
| Post-Conditions : Users can open The website on every browser. | | |

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| Test Case ID : TC1106 | | Test by : Tanawan |
| Test Priority : Medium | | Test date : 15/5/58 |
| Application : Wat Duang Dee Web Application | | Module Name : |
| Test Title : Test the responsive of screen | | Description : Check that the web application screen are compatible with various type of screen size |
| Time Estimation : 00:10 (HH:MM) | | Test Level : Unit testing |
| Pre-Conditions  - Roles Simulated : admin, member, guest | | |
| Step | Test Steps | |
| 1 | Open [www.watduangdee.com](http://www.watduangdee.com) on 10 type of screen size | |
| Expected Result | | Actual Result |
| The website must be able to display on 10 type of screen size | | The website can display on 10 type of screen size |
| Post-Conditions : User can open the website with every screen size | | |