TEST PLAN FOR ODEKRO.ORG

version: 1.0 Date: 19/07/13

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# 1.0 INTRODUCTION

The goal of odekro.org is to harness technology, create a national platform for promoting transparency and popular particitipation to keep a keen eye on public official, especially parliament ,by providing public online access to Bills,Motions and Parliamentary debates.

# 2.0 OBJECTIVES

* Identify existing project information about odekro

* List the recommended test requirements and describe the testing strategies to be employed.

* Identify the required resources and provide an estimate of the test effort

* List the deliverable elements of the test activities.

# 3.0 TASKS

# 3.1 Gathering system requirement

The system requirement stage include the types of tests to be conducted, the test environment details, test case development and test execution.

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## Type of Tests To Be Conducted

* Performance Testing

* User interface Testing

* Component Testing
* Stress Testing

* Security Testing

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# 3.2 Test Environment Details

Odekro will tested on the underlisted browsers:

|  |  |  |  |
| --- | --- | --- | --- |
| **Browser** | **Type** | **Version(s)** | **OS** |
| Mozilla Firefox | Desktop | Mozilla Firefox12 | Windows 8 |
| Internet Explorer | Desktop | IE9,IE10 | Windows 8 |
| Opera | Desktop | Opera 15.0 | Windows 8 |
| Chrome | Desktop | Chrome 30.0.1568.2 | Windows 8 |

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# 3.3 TEST CASES

## 3.3.1 Login Test Cases

**Verify login with valid username and password**

**Test Case ID:** Odekro\_login\_1

**Test Priority:** High

**Module Name:** Odekro login feature

**Description:** Test the odekro login page with a valid username and password

**Designed by :** Arrow Testers

**Designed date:** 19/7/2013

**To be Executed by:** Amponsah, Seth Antwi

**Execution Date:** 24/7/2013

**Duration :** 1 hour

|  |
| --- |
| **Pre-condition:** User has valid username and password |
| **Dependencies:** User must be registered |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Results** | **Status** |
| **1** | Navigate to login page |  |  |  |  |
| **2** | Provide valid username | foo@bar.com |  |  |  |
| **3** | Provide valid password | 1234foo |  |  |  |
| **4** | Click on Login button |  | User is logged in |  |  |

**Verify login with valid username and invalid password**

**Test Case ID:** Odekro\_login\_2

**Test Priority:** High

**Module Name:** Odekro login feature

**Description:** Test the odekro login page with a valid username and invalid password

**Designed by :** Arrow Testers

**Designed date:** 19/7/2013

**To be Executed by:** Amponsah, Seth Antwi

**Execution Date:** 24/7/2013

**Duration :** 1 hour

|  |
| --- |
| **Precondition:** Username must be valid while password is invalid |
| **Dependencies:** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Results** | **Status** |
| **1** | Navigate to login page |  |  |  |  |
| **2** | Provide valid username | foo@bar.com |  |  |  |
| **3** | Provide invalid password | 100000youq |  |  |  |
| **4** | Click on Login button |  | Error message, invalid password |  |  |

**Verify login with invalid username and valid password**

**Test Case ID:** Odekro\_login\_3

**Test Priority:** High

**Module Name:** Odekro login feature

**Description:** Test the odekro login page with a invalid username and valid password

**Designed by :** Arrow Testers

**Designed date:** 19/7/2013

**To be Executed by:** Amponsah, Seth Antwi

**Execution Date:** 24/7/2013

**Duration :** 1 hour

|  |
| --- |
| **Precondition:** Username must be invalid while password is valid |
| **Dependencies:** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Results** | **Status** |
| **1** | Navigate to login page |  |  |  |  |
| **2** | Provide invalid username | someone@bar.com |  |  |  |
| **3** | Provide valid password | 100000you |  |  |  |
| **4** | Click on Login button |  | Error message, invalid username |  |  |

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## 3.3.2 Searching Test Case

**Verify search feature with one or more search terms**

**Test Case ID:** Odekro\_search\_1

**Test Priority:** High

**Module Name:** Odekro Search System

**Description:** Test the Odekro Search Database with a term or list of terms.

**Designed by :** Arrow Testers

**Designed date:** 19/7/2013

**To be Executed by:** Kwaw Annor

**Execution Date:** 24/7/2013

**Duration :** 1 hour

|  |
| --- |
| **Precondition:** User must enter search term |
| **Dependencies:** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Results** | **Status** |
| **1** | Navigate to search field |  |  |  |  |
| **2** | Provide a search term | Hon owusu |  |  |  |
| **3** | Click on the search button |  | Retrieve all documents containing at one of the search terms or a notification message indicating no document has the search term |  |  |

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## 3.3.3 Logout Test Case

**Verify Logout Feature**

**Test Case ID:** Odekro\_logout\_1

**Test Priority:** High

**Module Name:** Odekro logout feature.

**Description:** Test the odekro logout system.

**Designed by :** Arrow Testers

**Designed date:** 19/7/2013

**To be Executed by:** Annor, Kwaw

**Execution Date:** 24/7/2013

**Duration :** 1 hour

|  |
| --- |
| **Precondition:** User must login |
| **Dependencies:** User has an active account |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Results** | **Status** |
| **1** | Click on the logout button or text |  | User is logged out from the system |  |  |

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## 3.3.4 User Interface Test Case

**Check User Interface for Grammatical Errors**

**Test Case ID:** Odekro\_Interface\_1

**Test Priority:** High

**Module Name:** Odekro User Interfaces

**Description:** Check for spelling mistakes and grammatical error

**Designed by :** Arrow Testers

**Designed date:** 19/7/2013

**To be Executed by:** Courage Mabrey

**Execution Date:** 24/7/2013

**Duration :** 1 hour

|  |
| --- |
| **Precondition:** User must be logged in as administrator or superuser |
| **Dependencies:** User has an active superuser account |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Results** | **Status** |
| **1** |  |  |  |  |  |
| **2** |  |  |  |  |  |

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## 3.3.5 URls Test Case

**Check User Interface for Grammatical Errors**

**Test Case ID:** Odekro\_URL\_1

**Test Priority:** High

**Module Name:** Odekro URLs

**Description:** Check for URLS and navigation links

**Designed by :** Arrow Testers

**Designed date:** 19/7/2013

**To be Executed by:** Gideon Kombian

**Execution Date:** 24/7/2013

**Duration :** 1 hour

|  |
| --- |
| **Preconditions:** User must be logged in with privileges and must be on the homepage |
| **Dependencies: .** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Results** | **Status** |
| **1** | navigate to a url |  | User must be navigated to the corresponding url page |  |  |
| **2** | Click on the url |  |  |  |  |

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# 3.4 Test Schedule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case Id | Start date | End date | Duration | Assigned To |
| Odekro\_login\_1 | 23/7/2013 | 24/7/2013 | 1 hour | Amponsah, Seth Antwi |
| Odekro\_login\_2 | 23/7/2013 | 24/7/2013 | 1 hour | Amponsah, Seth Antwi |
| Odekro\_login\_3 | 23/7/2013 | 24/7/2013 | 1 hour | Amponsah, Seth Antwi |
| Odekro\_search\_1 | 23/7/2013 | 24/7/2013 | 1 hour | Kwaw Annor |
| Odekro\_logout\_1 | 23/7/2013 | 24/7/2013 | 1 hour | Kwaw Annor |
| Odekro\_lnterface\_1 | 23/7/2013 | 24/7/2013 | 1 hour | Courage Mabrey |
|  |  |  |  |  |

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# 3.5 TESTING STRATEGIES

Functional and non-functional testing will be used to test the various components of odekro.

## 3.5.1 Registration

Functional testing will be employed to test the registration feature of odekro.org. Under the registration feature , there are three sub-features that will be tested .These are the login and logout feature.Functional testing is done to test the mainline functions, basically usability and accessibility.

Non functional testing is also conducted on the registration feature to test for reliability, response time , maintainability and efficiency. The registration feature will also be tested for input constraint attacks.

## 3.5.2 Search

Functional testing will be used to test the search feature of the application. Functional testing is checking the functionalities of the search feature to verify if the queries made by the user return the expected results.

Non functional test to be conducted on the search feature will include extensibility, robustness ,efficiency and accessibility.

## 3.5.3 Links

Functional testing will be employed to test all the links on odekro.org to verify that all the links on the page lead to the specified location.

Non functional tests like extensibility will be used to test if the third party apps link to the specified location.

## 3.5.4 Comments

Functional testing will be used to test the comment feature on the web application. Comments on a particular topic should be unique.

Non functional test will include reliability ,security .

Since Odekro is build based on agile methodologies,regression testing will be conducted to test and make sure that changes in a particular feature does not cause a bug in another feature .

# 4.0 Tools

Bugzilla will be the prefered bug tracking system that will be used to track the bugs in Odekro. Bugzilla was selected because of its rich features and also because its open source.