A Real Time and Interactive Dashboard in Tourism Industry

Test Record

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# 1. Document History

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| History | Status | Date | Viewable | Editable | Responsible |
| Project-Test Record\_v1.docx | Draft | 29 July, 2019 | ZJY, LYW,  AJP | ZJY, LYW | ZJY, LYW |
| Project-Test Record\_v2.docx | Draft | 23 Aug 2019 | ZJY, LYW,  AJP | ZJY, LYW | ZJY, LYW |

ZJY = Junyu Zhou

LYW = Yawei Li

AJP = Dr. Pree Thiengburanathum

# 2. Introduction

### 2.1 Purpose

The purpose of test record for A Real Time and Interactive Dashboard in Tourism Industry is for recording the actual result and pass/fail criteria of each test case that have designed in the test plan and executed.

### 2.2 Responsibility

|  |  |
| --- | --- |
| Item | Responsibility |
| Unit test of web application | ZJY, LYW |
| Record unit test of web application | ZJY, LYW |
| System test of web application | ZJY, LYW |
| Record system test of web application | ZJY, LYW |

### 2.3 Acronyms

URS = User Requirement Specification

UTC = Unit Test Case

STC = System Test Case

# 3. Unit Testing

### UTC-01: ****Front-end: Method name: onUsernameChanged (e)****

**Test Date:** 23 Aug 2019

**Description:** This method will validate format of username.

**Test By:** ZJY, LYW

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 1 | - | - | Pass |
| 2 | console.log(“Username cannot contain special characters!”) | console.log(“Username cannot contain special characters!”) | Pass |
| 3 | console.log (“Format correct”) | console.log (“Format correct”) | Pass |

### UTC-02: ****Front-end: Method name: onPasswordChanged (e)****

**Test Date:** 23 Aug 2019

**Description:** This method will validate format of password.

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 4 | console.log (“Password must be more than 6 digits!”) | console.log (“Password must be more than 6 digits!”) | Pass |
| 5 | Password= admin001 | Password= admin001 | Pass |
| 6 | - | - | Pass |

### UTC-03: ****Front-end: Method name: submitLogin (e)****

**Test Date:** 23Aug 2019

**Description:** This method will login to the dashboard.

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 7 | console.log (“login successful”) | console.log (“login successful”) | Pass |
| 8 | console.log (“login failed”) | console.log (“login failed”) | Pass |

### UTC-04: ****Front-end: Method name: logout ()****

**Test Date:** 23 Aug 2019

**Description:** This method will log out from dashboard.

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 9 | console.log (“Log out successfully”) | console.log (“Log out successfully”) | Pass |

### UTC-05: ****Front-end: Method name: showSummary ()****

### Test Date: 23 Aug 2019

**Description:** This method will display summary on the dashboard page.

**Test By:** ZJY, LYW

Test Data:

sparklineData = [47, 45, 54, 38, 56, 24, 65, 31, 37, 39, 62, 51, 35, 41, 35, 27, 93, 53, 61, 27, 54, 43, 19, 46]

expectedData2 = {

seriesSpark1: [{data: [25, 66, 41, 89, 63, 25, 44, 12, 36, 9, 54]}],

seriesSpark2: [{data: [47, 45, 74, 14, 56, 74, 14, 11, 7, 39, 82]}],

seriesSpark3: [{data: [12, 14, 2, 47, 42, 15, 47, 75, 65, 19, 14]}],

seriesSpark4: [{data: [15, 75, 47, 65, 14, 2, 41, 54, 4, 27, 15]}],

}

expectedData3 = {

total\_comments: '135,965',

positive\_comments: '99,821',

negative\_comments: '10,212',

neutral\_comments: '25,932',

percent\_total: '100%',

percent\_positive: '73.4%',

percent\_negative: '7.5%',

percent\_neutral: '19.1%',

}

expectedData4 = [

[ 1483203600000, 5], [ 1483808400000, 22],

[ 1484413200000, 52], [ 1485018000000, 87],

[ 1485622800000, 57], [ 1486227600000, 84],

[ 1486832400000, 87], [ 1487437200000, 43],

[ 1488042000000, 29], [ 1488646800000, 69],

[ 1489251600000, 81], [ 1489856400000, 46],

[ 1490461200000, 14], [ 1491066000000, 79],

[ 1491670800000, 9], [ 1492275600000, 51],

[ 1492880400000, 76], [ 1493485200000, 9],

[ 1494090000000, 51], [ 1494694800000, 77],

[ 1495299600000, 22], [ 1495904400000, 96],

[ 1496509200000, 18], [ 1497114000000, 67],

[ 1497718800000, 24], [ 1498323600000, 51],

[ 1498928400000, 41], [ 1499533200000, 83],

[ 1500138000000, 56], [ 1500742800000, 42],

[ 1501347600000, 76], [ 1501952400000, 20],

[ 1502557200000, 73], [ 1503162000000, 14],

[ 1503766800000, 67], [ 1504371600000, 8],

[ 1504976400000, 22], [ 1505581200000, 64],

[ 1506186000000, 44], [ 1506790800000, 1],

[ 1507395600000, 34], [ 1508000400000, 34],

[ 1508605200000, 70], [ 1509210000000, 16],

[ 1509814800000, 20], [ 1510419600000, 17],

[ 1511024400000, 86], [ 1511629200000, 78]

]

expectedData5 = [400, 430, 448, 470, 540, 580, 690, 1100, 1200, 1380]

expectedData6 = [{name: 'Neutral',

data: [44, 55, 57, 56, 61, 58, 63, 60, 66]}, {

name: 'Positive',

data: [76, 85, 101, 98, 87, 105, 91, 114, 94]}, {

name: 'Negative',

data: [35, 41, 36, 26, 45, 48, 52, 53, 41]}];

expectedData7 = [{name: 'Neutral',

data: [44, 55, 41, 67, 22, 43, 21, 49, 39]}, {

name: 'Positive',

data: [13, 23, 20, 8, 13, 27, 33, 12, 14]}, {

name: 'Negative',

data: [11, 17, 15, 15, 21, 14, 15, 13, 9]}];

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 10 | console.log (“Summary is showing!”) | console.log (“Summary is showing!”) | Pass |
| 11 | {sparklineData}  {expectedData2}  {expectedData3} | {sparklineData}  {expectedData2}  {expectedData3} | Pass |
| 12 | {expectedData4} | {expectedData4} | Pass |
| 13 | {expectedData5} | {expectedData5} | Pass |
| 14 | {expectedData6} | {expectedData6} | Pass |
| 15 | {expectedData7} | {expectedData7} | Pass |

U**TC-06:** **Back-end: Method name: login ()**

### Test Date: 23 Aug 2019

**Description**: This method will receive http POST request “/users/login”

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 16 | {“message": "Login successfully", "token": "eyJ…g34GY", "user": "admin001”} | {“message": "Login successfully", "token": "eyJ…g34GY", "user": "admin001”} | Pass |
| 17 | {“error": "Invalid username and password"} | {“error": "Invalid username and password"} | Pass |

### UTC-07: ****Back-end: Method name: admin\_login ()****

**Test Date:** 23 Aug 2019

**Description**: This method will receive http POST request “/admin/login”

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 18 | {“message": "Super admin login successfully", "token": "eyJ0…TEjCzJln\_wXR79yR-s”} | {“message": "Super admin login successfully", "token": "eyJ0…TEjCzJln\_wXR79yR-s”} | Pass |
| 19 | {“error": "Invalid username and password"} | {“error": "Invalid username and password"} | Pass |

### UTC-08: ****Back-end: Method name: delete\_account (username)****

### Test Date: 23 Aug 2019

**Description**: This method will receive http DELETE request “/admin/delete/<username>”

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 20 | {“result": {“message": "User deleted”}} | {“result": {“message": "User deleted”}} | Pass |
| 21 | {“result”: {  "message": "No user found"}  } | {“result”: {  "message": "No user found"}  } | Pass |

### UTC-09: ****Back-end: Method name: register ()****

### Test Date: 23 Aug 2019

**Description**: This method will receive http POST request “users/register”

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 22 | {"result": {  "message": “admin001 registered”}  } | {"result": {  "message": “admin001 registered”}  } | Pass |

**UTC-10: Method name: get\_all\_account ()**

### Test Date: 23 Aug 2019

**Description**: This method will receive http POST request “users/get-all”.

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 23 | [{“status”: "super admin added",  "trial\_time": "Fri, 06 Sep 2019 07:05:07 GMT",  "username": "test"},  {"status": "super admin added",  "trial\_time": "Fri, 06 Sep 2019 07:05:46 GMT",  "username": "test02"}] | [{“status”: "super admin added",  "trial\_time": "Fri, 06 Sep 2019 07:05:07 GMT",  "username": "test"},  {"status": "super admin added",  "trial\_time": "Fri, 06 Sep 2019 07:05:46 GMT",  "username": "test02"}] | Pass |
| 24 | [] | [] | Pass |

**UTC-11: Back-end: Method name: edit\_username ()**

### Test Date: 23 Aug 2019

**Description**: This method will receive http POST request “users/edit/username”.

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 25 | {"result": {  "message": "test is changed to feiji@test.com"}} | {"result": {  "message": "test is changed to feiji@test.com"}} | Pass |
| 26 | {  "result": {  "message": "No user found"  }  } | {  "result": {  "message": "No user found"  }  } | Pass |

**UTC-12: Back-end: Method name: edit\_password ()**

**Test Date:** 23 Aug 2019

**Description**: Description: This method will receive http POST request “users/edit/password”.

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 27 | {  "message": "Password changed"  } | {  "message": "Password changed"  }  } | Pass |
| 28 | {"error": "Invalid username and password"} | {"error": "Invalid username and password"} | Pass |

**UTC-13: Back-end: Method name: approve\_user ()**

**Test Date:** 23 Aug 2019

**Description**: This method will receive http POST request “admin/approve”.

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 29 | {"result": {"message": "testagain's request is approved"}} | {"result": {"message": "testagain's request is approved"}} | Pass |
| 30 | {"result": {"message": "No user found"}} | {"result": {"message": "No user found"}} | Pass |

**UTC-14: Back-end: Method name: reject\_user ()**

**Test Date:** 23 Aug 2019

**Description**: This method will receive http POST request “admin/reject”.

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 31 | {"result": {"message": "testagain's request is rejected"}} | {"result": {"message": "testagain's request is rejected"}} | Pass |
| 32 | {"result": {"message": "No user found"}} | {"result": {"message": "No user found"}} | Pass |

**UTC-15: Method name: get\_pending ()**

**Test Date:** 23 Aug 2019

**Description**: This method will receive http GET request “admin/get-pending”.

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 33 | {"results": [{"status": "pending",  "trial\_time": "pending",  "username": "hello"}]} | {"results": [{"status": "pending",  "trial\_time": "pending",  "username": "hello"}]} | Pass |
| 34 | {  "results": []  } | {  "results": []  } | Pass |

**UTC-16: Method name: add\_user ()**

**Test Date:** 23 Aug 2019

**Description**: This method will receive http POST request “admin/add”.

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 35 | {"result": {"message": "test\_admin\_add@test.com added"}} | {"result": {"message": "test\_admin\_add@test.com added"}} | Pass |

**UTC-17: Method name: get\_account\_by\_username ()**

**Test Date:** 23 Aug 2019

**Description**: This method will receive http GET request “/users/get-by-username”.

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 36 | {"result": {"message": "User found",  "status": "approved",  "trial\_time ": "Fri, 06 Sep 2019 07:34:06 GMT",  "username": "test\_admin\_add@test.com"}} | {"result": {"message": "User found",  "status": "approved",  "trial\_time ": "Fri, 06 Sep 2019 07:34:06 GMT",  "username": "test\_admin\_add@test.com"}} | Pass |
| 37 | {  "result": {  "message": "No user found” }  } | {  "result": {  "message": "No user found"}  } | Pass |

# 4. System Testing

### STC-01: Login to the system

**Test Date:** 29 July, 2019

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 1 | The system redirects to dashboard. | The system redirects to dashboard. | Pass |
| 2 | Show an error message “Username or password is incorrect.” | Show an error message “Username or password is incorrect.” | Pass |
| 3 | Show an error message “Username or password is incorrect.” | Show an error message “Username or password is incorrect.” | Pass |
| 4 | Show an error message “Username or password is incorrect.” | Show an error message “Username or password is incorrect.” | Pass |

### STC-02: Log out from the system

**Test Date:** 29 July, 2019

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 1 | The system redirects to login page. | The system redirects to login page. | Pass |

### STC-03: View the summary of data visualization result

**Test Date:** 29 July, 2019

**Test By:** ZJY, LYW

Test Case:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Expect Result | Actual Result | Pass/Fail |
| 1 | All the data summary graphs show on the dashboard. | All the data summary graphs show on the dashboard. | Pass |