TESTING DOCUMENT

BOGAZICI WEB ANNOTATION TOOL

Bogaziçi Web Annotation Tool is an annotation tool for web pages that is compatible with W3C Web Annotation standard.

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BOGAZICI WEB ANNOTATION TOOL

TESTING DOCUMENT

DEVELOPERS

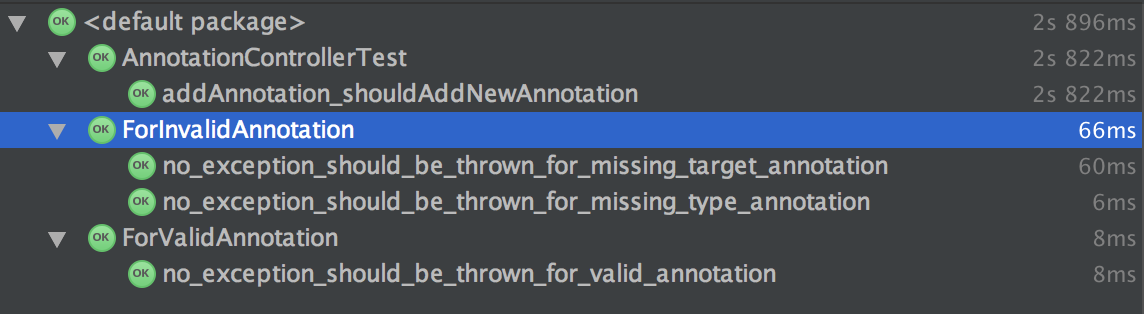
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Sarah BEIRKDAR  
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Gökhan ÖZGEZEN  
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Anıl Selim SÜRMELİ

# WELCOME

This is the testing document of the Boğaziçi Web Annotation Tool that created for Boğaziçi University Software Engineering SWE 574 Fall 2016 class.

# UNIT TESTS

## LD-DB Tests



Test Class: Annotation Control Test

Test Function: add\_Annotation\_shouldAddNewAnnotation

Test Scenario: The AddAnnotation function should be run properly.

Test Class: Invalid Annotation Test

Test Function: no\_exception\_should\_be\_thrown\_for\_missing\_target\_annotation

Test Scenario: No exception should be thrown for missing target annotation.

Test Class: Invalid Annotation Test

Test Function: no\_exception\_should\_be\_thrown\_for\_missing\_type\_annotation

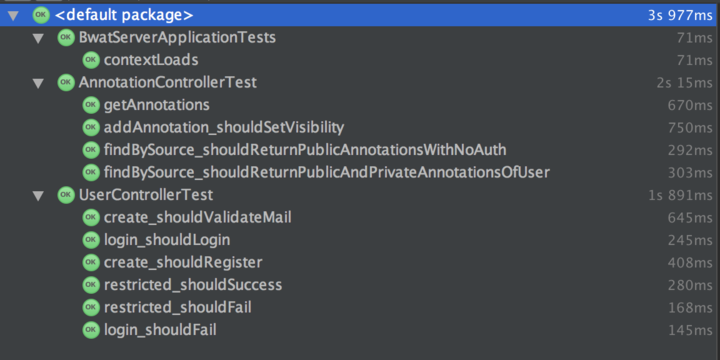
Test Scenario: No exception should be thrown for missing type annotation.

Test Class: Valid Annotation Test

Test Function: no\_exception\_should\_be\_thrown\_for\_missing\_type\_annotation

Test Scenario: No exception should be thrown for missing type annotation.

## BWAT Server Tests



Test Class: BWAT Server Application Tests

Test Function: contextLoads

Test Scenario: The context loads succesfully.

Test Class: Annotation Controller Test

Test Function: getAnnotations

Test Scenario: Get annotation functionality works correctly.

Test Class: Annotation Controller Test

Test Function: addAnnotation\_shouldSetVisibility

Test Scenario: Add annotation should set visibility.

Test Class: Annotation Controller Test

Test Function: findBySource\_shouldReturnPublicAnnotationsWithNoAuth

Test Scenario: The public annotations that belong to the given source should be returned.

Test Class: Annotation Controller Test

Test Function: findBySource\_shouldReturnPublicAndPrivateAnnotationsofUser

Test Scenario: The public and private annotations of the authorized user, that belong to the given source should be returned.

Test Class: User Controller Test

Test Function: create\_ShouldValidateMail

Test Scenario: The create user method should validate the user mail.

Test Class: User Controller Test

Test Function: login\_ShouldLogin

Test Scenario: The login function should able to login.

Test Class: User Controller Test

Test Function: create\_shouldRegister

Test Scenario: The register function should able to create login.

Test Class: User Controller Test

Test Function: restricted\_shouldSuccess

Test Scenario: The authentication function should be success with valid token.

Test Class: User Controller Test

Test Function: restricted\_shouldFail

Test Scenario: The authentication function should be fail with invalid token.

Test Class: User Controller Test

Test Function: login\_shouldFail

Test Scenario: The login function should be fail with invalid username and password.

# FUNCTIONALITY TESTS

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | BWAT\_000 | | **Test Case Description** | | | | Test the functionality of user login | | | | | | | | | | | |
| **Created By** | | Mahmut | | **Reviewed By** | | | |  | | | | **Version** | | | | 0.1 | | | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | |
| **QA Tester’s Log** | |  | |  | |  | |  | |  | |  | |  | |  | |  | | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | |
| **Tester's Name** | | Mahmut | | **Date Tested** | | | | 01.12.2016 | | | | **Test Case (Pass/Fail/Not Executed)** | | | | Pass | | | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | |
| **S #** | **Prerequisites:** | | | | | |  | | **S #** | | **Test Data** | | | | | | | | |
| 1 | Access to Chrome Browser | | | | | |  | | 1 | | Userid = ozkuran@gmail.com | | | | | | | | |
| 2 |  | | | | | |  | | 2 | | Pass = 123456 | | | | | | | | |
| 3 |  | | | | | |  | | 3 | |  | | | | | | | | |
| 4 |  | | | | | |  | | 4 | |  | | | | | | | | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | |
| **Test Scenario** | Verify that user can login | | | | | |  | |  | |  | |  | |  | |  | |  | | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | |
| **Step #** | **Step Details** | | | | **Expected Results** | | | | **Actual Results** | | | | | | **Pass / Fail / Not executed / Suspended** | | | | |
|
| 1 | Navigate to https://en.wikipedia.org/wiki/Landscape\_with\_the\_Fall\_of\_Icarus | | | | Site should open | | | | As Expected | | | | | | Pass | | | | |
| 2 | Click extension and open interface | | | | Extension interface should be opened | | | | As Expected | | | | | | Pass | | | | |
| 3 | Click login/register button | | | | The username password windows should be opened | | | | As Expected | | | | | | Pass | | | | |
| 4 | Enter username and password and click login button | | | | The login would be successful | | | | As Expected | | | | | | Pass | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | BWAT\_001 | | **Test Case Description** | | | | Test the functionality of text annotation | | | | | | | | | | | |
| **Created By** | | Mahmut | | **Reviewed By** | | | |  | | | | **Version** | | | | 0.1 | | | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |
| **QA Tester’s Log** | |  | |  | |  | |  | |  | |  | |  | |  | |  | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |
| **Tester's Name** | | Mahmut | | **Date Tested** | | | | 01.12.2016 | | | | **Test Case (Pass/Fail/Not Executed)** | | | | Pass | | | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |
| **S #** | **Prerequisites:** | | | | | |  | | **S #** | | **Test Data** | | | | | | | | | |
| 1 | Access to Chrome Browser | | | | | |  | | 1 | | Userid = ozkuran@gmail.com | | | | | | | | | |
| 2 |  | | | | | |  | | 2 | | Pass = 123456 | | | | | | | | | |
| 3 |  | | | | | |  | | 3 | |  | | | | | | | | | |
| 4 |  | | | | | |  | | 4 | |  | | | | | | | | | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |
| **Test Scenario** | Verify on entering valid userid and password, the customer can login | | | | | | | | | | | | | |  | |  | |  | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |
| **Step #** | **Step Details** | | | | **Expected Results** | | | | **Actual Results** | | | | | | **Pass / Fail / Not executed / Suspended** | | | | | |
|
| 1 | Navigate to https://en.wikipedia.org/wiki/Landscape\_with\_the\_Fall\_of\_Icarus | | | | Site should be opened | | | | As Expected | | | | | | Pass | | | | | |
| 2 | Select a text to annotate | | | | Text should be able to selected | | | | As Expected | | | | | | Pass | | | | | |
| 3 | The annotation box should be opened | | | | The annotation box should be opened | | | | As Expected | | | | | | Pass | | | | | |
| 4 | Annotation could be entered to the annotation box | | | | Annotation could be entered to the annotation box | | | | As Expected | | | | | | Pass | | | | | |
| 5 | Annotation could be entered by pressing ok | | | | Annotation could be entered by pressing ok | | | | As Expected | | | | | | Pass | | | | | |

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| **Test Case ID** | | BWAT\_002 | **Test Case Description** | | Test the functionality of image annotation | | | | | |
| **Created By** | | Mahmut | **Reviewed By** | |  | | **Version** | | 0.1 | |
|  |  |  |  |  |  |  |  |  |  |  |
| **QA Tester’s Log** | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Tester's Name** | | Mahmut | **Date Tested** | | 01.12.2016 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
|  |  |  |  |  |  |  |  |  |  |  |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Access to Chrome Browser | | |  | 1 | Userid = ozkuran@gmail.com | | | | |
| 2 |  | | |  | 2 | Pass = 123456 | | | | |
| 3 |  | | |  | 3 |  | | | | |
| 4 |  | | |  | 4 |  | | | | |
|  |  |  |  |  |  |  |  |  |  |  |
| **Test Scenario** | Verify that image annotation is possible. | | | | |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to https://en.wikipedia.org/wiki/Landscape\_with\_the\_Fall\_of\_Icarus | | Site should open | | As Expected | | | Pass | | |
| 2 | Select a part of an image to annotate | | A part of the image should be able to selected | | As Expected | | | Pass | | |
| 3 | The annotation box should be opened | | The annotation box should be opened | | As Expected | | | Pass | | |
| 4 | Annotation could be entered to the annotation box | | Annotation could be entered to the annotation box | | As Expected | | | Pass | | |
| 5 | Annotation could be entered by pressing ok | | Annotation could be entered by pressing ok | | As Expected | | | Pass | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | BWAT\_003 | **Test Case Description** | | Test the functionality of editing text annotation | | | | | |
| **Created By** | | Mahmut | **Reviewed By** | |  | | **Version** | | 0.1 | |
|  |  |  |  |  |  |  |  |  |  |  |
| **QA Tester’s Log** | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Tester's Name** | | Mahmut | **Date Tested** | | 01.12.2016 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
|  |  |  |  |  |  |  |  |  |  |  |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Access to Chrome Browser | | |  | 1 | Userid = ozkuran@gmail.com | | | | |
| 2 |  | | |  | 2 | Pass = 123456 | | | | |
| 3 |  | | |  | 3 |  | | | | |
| 4 |  | | |  | 4 |  | | | | |
|  |  |  |  |  |  |  |  |  |  |  |
| **Test Scenario** | Verify that editing of text annotation is possible | | | | | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to https://en.wikipedia.org/wiki/Landscape\_with\_the\_Fall\_of\_Icarus | | Site should open | | As Expected | | | Pass | | |
| 2 | Move to the position of the annotation | | The annotation should be shown | | As Expected | | | Pass | | |
| 3 | The annotation box should be opened | | The annotation box should be opened | | As Expected | | | Pass | | |
| 4 | Edit the annotation | | Annotation should be edited | | As Expected | | | Pass | | |
| 5 | Updated annotation should be displayed | | Annotation should be seen as edited | | As Expected | | | Pass | | |
| 6 | Updated version of the annotation should be displayed | | Updated version of the annotation should be displayed | | As Expected | | | Pass | | |

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| **Test Case ID** | | BWAT\_004 | **Test Case Description** | | Test the delete functionality of text annotation | | | | | |
| **Created By** | | Mahmut | **Reviewed By** | |  | | **Version** | | 0.1 | |
|  |  |  |  |  |  |  |  |  |  |  |
| **QA Tester’s Log** | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Tester's Name** | | Mahmut | **Date Tested** | | 01.12.2016 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
|  |  |  |  |  |  |  |  |  |  |  |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Access to Chrome Browser | | |  | 1 | Userid = ozkuran@gmail.com | | | | |
| 2 |  | | |  | 2 | Pass = 123456 | | | | |
| 3 |  | | |  | 3 |  | | | | |
| 4 |  | | |  | 4 |  | | | | |
|  |  |  |  |  |  |  |  |  |  |  |
| **Test Scenario** | Verify that the deletion of text annotation is possible | | | | | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to https://en.wikipedia.org/wiki/Landscape\_with\_the\_Fall\_of\_Icarus | | Site should open | | As Expected | | | Pass | | |
| 2 | Move to the position of the annotation | | The annotation should be shown | | As Expected | | | Pass | | |
| 3 | The annotation box should be opened | | The annotation box should be opened | | As Expected | | | Pass | | |
| 4 | Delete the annotation | | Annotation should be edited | | As Expected | | | Pass | | |
| 5 | The annotation should be deleted | | The annotation should not be seen in the screen. | | As Expected | | | Pass | | |
| 6 | Deleted annotation should not be seen after reload | | Deleted annotation should not be seen after reload | | As Expected | | | Pass | | |

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| **Test Case ID** | | BWAT\_005 | **Test Case Description** | | Test the functionality of editing image annotation | | | | | |
| **Created By** | | Mahmut | **Reviewed By** | |  | | **Version** | | 0.1 | |
|  |  |  |  |  |  |  |  |  |  |  |
| **QA Tester’s Log** | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Tester's Name** | | Mahmut | **Date Tested** | | 01.12.2016 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
|  |  |  |  |  |  |  |  |  |  |  |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Access to Chrome Browser | | |  | 1 | Userid = ozkuran@gmail.com | | | | |
| 2 |  | | |  | 2 | Pass = 123456 | | | | |
| 3 |  | | |  | 3 |  | | | | |
| 4 |  | | |  | 4 |  | | | | |
|  |  |  |  |  |  |  |  |  |  |  |
| **Test Scenario** | Verify that editing of the image annotation is possible | | | | | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to https://en.wikipedia.org/wiki/Landscape\_with\_the\_Fall\_of\_Icarus | | Site should open | | As Expected | | | Pass | | |
| 2 | Move to the position of the annotation | | The annotation should be shown | | As Expected | | | Pass | | |
| 3 | The annotation box should be opened | | The annotation box should be opened | | As Expected | | | Pass | | |
| 4 | Edit the annotation | | Annotation should be edited | | As Expected | | | Pass | | |
| 5 | Updated annotation should be displayed | | Annotation should be seen as edited | | As Expected | | | Pass | | |
| 6 | Updated version of the annotation should be displayed | | Updated version of the annotation should be displayed | | As Expected | | | Pass | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | BWAT\_006 | **Test Case Description** | | Test the delete functionality of image annotation | | | | | |
| **Created By** | | Mahmut | **Reviewed By** | |  | | **Version** | | 0.1 | |
|  |  |  |  |  |  |  |  |  |  |  |
| **QA Tester’s Log** | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Tester's Name** | | Mahmut | **Date Tested** | | 01.12.2016 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
|  |  |  |  |  |  |  |  |  |  |  |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Access to Chrome Browser | | |  | 1 | Userid = ozkuran@gmail.com | | | | |
| 2 |  | | |  | 2 | Pass = 123456 | | | | |
| 3 |  | | |  | 3 |  | | | | |
| 4 |  | | |  | 4 |  | | | | |
|  |  |  |  |  |  |  |  |  |  |  |
| **Test Scenario** | Verify that image annotations can be deleted | | | | |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to https://en.wikipedia.org/wiki/Landscape\_with\_the\_Fall\_of\_Icarus | | Site should open | | As Expected | | | Pass | | |
| 2 | Move to the position of the annotation | | The annotation should be shown | | As Expected | | | Pass | | |
| 3 | The annotation box should be opened | | The annotation box should be opened | | As Expected | | | Pass | | |
| 4 | Delete the annotation | | Annotation should be edited | | As Expected | | | Pass | | |
| 5 | The annotation should be deleted | | The annotation should not be seen in the screen. | | As Expected | | | Pass | | |
| 6 | Deleted annotation should not be seen after reload | | Deleted annotation should not be seen after reload | | As Expected | | | Pass | | |

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| **Test Case ID** | | BWAT\_007 | **Test Case Description** | | Test the annotation list functionality | | | | | |
| **Created By** | | Mahmut | **Reviewed By** | |  | | **Version** | | 0.1 | |
|  |  |  |  |  |  |  |  |  |  |  |
| **QA Tester’s Log** | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Tester's Name** | | Mahmut | **Date Tested** | | 01.12.2016 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
|  |  |  |  |  |  |  |  |  |  |  |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Access to Chrome Browser | | |  | 1 | Userid = ozkuran@gmail.com | | | | |
| 2 |  | | |  | 2 | Pass = 123456 | | | | |
| 3 |  | | |  | 3 |  | | | | |
| 4 |  | | |  | 4 |  | | | | |
|  |  |  |  |  |  |  |  |  |  |  |
| **Test Scenario** | Verify that annotations listed in the extension window | | | | | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to https://en.wikipedia.org/wiki/Landscape\_with\_the\_Fall\_of\_Icarus | | Site should open | | As Expected | | | Pass | | |
| 2 | Click the annotation extension button | | The annotation extension window should be opened | | As Expected | | | Pass | | |
| 3 | The annotations in the page should be listed on the window | | The annotations in the page should be listed on the window | | As Expected | | | Pass | | |