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.

BOGAZICI WEB ANNOTATION TOOL

TESTING DOCUMENT

DEVELOPERS

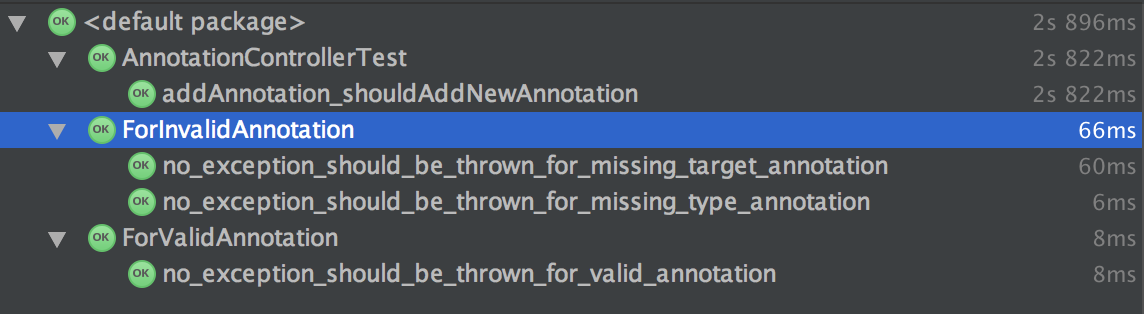
Özlem AKBAŞ  
Sarah BEIRKDAR  
Uğur HİÇYILMAM  
Gökhan ÖZGEZEN  
Mahmut Ali ÖZKURAN  
Anıl Selim SÜRMELİ

# 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

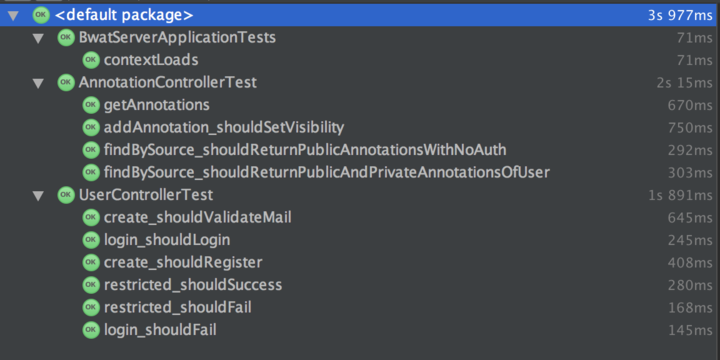
Test Scenario: No exception should be thrown for missing type annotation.

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 | |  | | | | | | | | | |
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| **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 |  | | | | |
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| **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 | | |