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Description automatically generated

Test Report

Team CreniT

QuizzTurn

*Clients:*

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<https://git.fhict.nl/I477163/individual-assignment.git>

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# 1.Introduction

The Test Plan outlines the scope, approach, and schedule of all testing activities. It identifies the items and features to be tested.

# 2. Test strategies

## 2.1 Testing strategy

**Continuous integration/Continuous Deployment (CI/CD):**

For this project a CI/CD pipeline will be set up to automate testing, building, and deployment processes for ASP.NET Core REST API.

**Unit testing automation:**

* - As part of the CI/CD pipeline, automated unit tests will be present.
* - Code coverage tools will be integrated into the CI/CD pipeline to measure and report code coverage for the unit tests.
* - The targeted code coverage for unit tests is 80%.

# 

# 3.Test cases

|  |  |
| --- | --- |
| **ID** | TC-01 |
| Name | User tries to login |
| Pre-condition | User needs to be registered and know his credentials |
| Test data | Email: [test\_case01@email.com](mailto:test_case01@email.com)  Password: 1234 |
| Expected result | The user is logged in the application. |

|  |  |
| --- | --- |
| **ID** | TC-02 |
| Name | User has no credentials, but tries to login |
| Pre-condition |  |
| Test data | Email: [test\_case01@email.com](mailto:test_case01@email.com)  Password: 1234 |
| Expected result | The system tells the user to enter valid  credentials |

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| --- | --- |
| **ID** | TC-03 |
| Name | User tries to logout |
| Pre-condition | User must be logged in his account |
| Test data |  |
| Expected result | The user is logged out. |

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| --- | --- |
| **ID** | TC-04 |
| US | US-01 |
| Name | Update profile information |
| Pre-condition | User needs to have an account |
| Test data | Name: Test  Email: [test\_case01@email.com](mailto:test_case01@email.com)  Age: 20  Address: Center  Password: 1234 |
| Expected result | The details of the user are updated successfully |
| Actual result | The details of the user are updated. |

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| --- | --- |
| **ID** | TC-05 |
| US | US-01 |
| Name | User tries to update profile information without entering name |
| Pre-condition |  |
| Test data | Name:  Age: 20  Address: Center  Email: [test\_case01@email.com](mailto:test_case01@email.com)  Password: 1234 |
| Expected result | The system tells the user to fill all fields |
| Actual result | The system requires all fields to be filled with valid information. |

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| --- | --- |
| **ID** | TC-06 |
| US | US-02 |
| Name | User tries to send a message in the global chat |
| Pre-condition | User must have an account |
| Test data | Message: Hello everyone! |
| Expected result | The message is sent in the chat |
| Actual result |  |

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| --- | --- |
| **ID** | TC-07 |
| US | US-04 |
| Name | Send private message |
| Pre-condition | User must be logged in |
| Test data | Message: Hello |
| Expected result | The other user gets a message |
| Actual result |  |

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| --- | --- |
| **ID** | TC-08 |
| US | US-05 |
| Name | Create quiz |
| Pre-condition | User must be logged in |
| Test data | Title: Test  Description: my first quiz  Questions  Answers |
| Expected result | The quiz is created |
| Actual result | The quiz is registered in the database |

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| --- | --- |
| **ID** | TC-9 |
| US | US-05 |
| Name | Create quiz without a title |
| Pre-condition | User must be logged in |
| Test data | Title:  Description: my first quiz  Questions  Answers |
| Expected result | The quiz is not created |
| Actual result | The quiz is not created and requires a title |

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| --- | --- |
| **ID** | TC-10 |
| US | US-06 |
| Name | Answer quiz |
| Pre-condition | User must be logged in.  User needs to select a quiz |
| Test data |  |
| Expected result | The answers are registered |
| Actual result | The answers can be seen from the user |

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| --- | --- |
| **ID** | TC-11 |
| US | US-07 |
| Name | Create category |
| Pre-condition | User must be an admin  User must be logged in |
| Test data | Name: Easy quizzes |
| Expected result | The category is created |
| Actual result | The category is registered in the database |

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| --- | --- |
| **ID** | TC-12 |
| US | US-07 |
| Name | Create subcategory |
| Pre-condition | User must be an admin  User must be logged in  A parent is needed for the subcategory |
| Test data | Name: first easy quiz  Parent: Easy quizzes |
| Expected result | The subcategory is created |
| Actual result | The subcategory is registered in the database. |

|  |  |
| --- | --- |
| **ID** | TC-13 |
| US | US-08 |
| Name | Remove user |
| Pre-condition | User must be an admin  A user must be selected |
| Test data |  |
| Expected result | The selected user is removed from the system |
| Actual result | The user is removed form the system |

|  |  |
| --- | --- |
| **ID** | TC-14 |
| US | US-09 |
| Name | Update a quiz |
| Pre-condition | The user must be an admin or the customer created the quiz  The user must be logged in |
| Test data | Update quiz name, answers, or questions |
| Expected result | The details of the selected quiz are updated |
| Actual result | The quiz is updated. |

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| --- | --- |
| **ID** | TC-15 |
| US | US-10 |
| Name | Administrator tries to delete a quiz |
| Pre-condition | A quiz must be selected |
| Test data |  |
| Expected result | The quiz is deleted from the system |
| Actual result | The quiz is deleted successfully. |

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| --- | --- |
| **ID** | TC-16 |
| US | US-11 |
| Name | Freeze an account |
| Pre-condition | User must be an admin  A user must be selected |
| Test data |  |
| Expected result | The selected user’s account is frozen |
| Actual result | The user’s account is frozen. |