Test Plan

Individual Project Semester 3

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# Test strategy

The testing of the project will be performed using a number of different testing strategies and methods. It will include unit tests, user acceptance testing, performance tests and security tests.

# Unit testing

Unit tests are executed for every use case to ensure that the application is working as intended. Both happy path and unhappy path testing will be implemented to ensure that the application is capable of dealing with a variety of missuses and errors.

# Acceptance testing

Acceptance testing is conducted in order to ensure that the project meets the acceptance criteria. Various tests are performed, where every functionality of the application is manually tested by an outside user. These tests are the final testing part of the project testing strategy. All tests will be put in a table below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test case | Step# | Test steps | Expected results | Acceptance criteria |
| The user can view advertisements. |  |  |  | Advertisements can be viewed. |
| The user can filter advertisements. |  |  |  | Advertisements can be filtered. |
| The user can create an account. |  |  |  | The user account has been created. |
| The user can login to their account. |  |  |  | The user is logged in to their account. |
| The user can logout of their account. |  |  |  | The user is logged out. |
| The user can create advertisements. |  |  |  | The advertisement is created and can be searched for. |
| The user can edit their advertisements. |  |  |  | The advertisement is edited. |
| The user can delete their advertisement. |  |  |  | The advertisement is deleted from the system. |
| The user can edit their account information. |  |  |  | The account information of the user is edited. |
| The administrator user can create new filter criteria. |  |  |  | New filter criteria are created and saved by the system. |
| The administrator can get statistic about advertisements on their website. |  |  |  | Statistics about advertisements on the website are created by the system. |

# Security testing

Security testing will be implemented on a later stage of the project.