

[The Conduit Application] Test plan

Introduction	2
1. Test strategy	2
1.1 Scope of testing	2
1.1.1 Feature to be tested	3,4
1.1.2 Feature not to be tested	4
1.2 Test type	4,5
1.3 Risk and issues	5
1.4 Test logistics	5
1.4.1 Who will test?	5
1.4.2 When will the test occur?	5
2. Test objective	5
3. Test criteria	6
3.1 Suspension criteria	6
3. 2 Exit criteria	6
4. Resource planning	6
4.1 System resource	6
4.2 Human resource	7
5. Test environment	7
6. Schedule & estimation	8
6.1 All project tasks and estimation	8
6.2 Schedule to complete these tasks	8
7. Test deliverables	9
7.1 Before testing phase	9
7.2 During the testing	9
7.3 After the testing cycle is over	9

Introduction

The “Conduit” app is designed as an open source to train software development and testing skills. The main functionality of the website includes registration and sign-in, posting articles on different topics, reading articles, the ability to like an article, post a comment, to follow a user. The Test Plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities of the “Conduit” website.

The plan identifies the features to be tested, the types of testing to be performed, the resources and schedule required to complete testing, and the risks associated with the plan.

1. Test strategy

1.1 Scope of testing

1.1.1 Feature to be tested

Module name	Login type	Description
1. Home	User Logged in	the Main page with Global Feed, Your feed, and tags. On the "Global Feed" tab, the user can see the articles of other users, sorted in order from newest to oldest. One page contains 10 newest articles. At the bottom of the page, the user sees pagination in the amount of 10 newest. On the right side of the page are "popular tags".
2. New Article		Form to create an article. On this tab, the user can create any article by giving it a title, briefly describing what it is about, adding tags, and clicking the [Publish Article] button
3. Settings		Form to update all info about the user. On this tab, the user can see briefly the information that he entered during registration. Can add new information about himself, change his password and email, save everything by clicking the [Update Settings] button, and can log out of his account by clicking on the [or click here to log out] button.
4. User Page		Page with info about the user. On this tab, the user can see his published articles on the "My posts" link, and articles of other authors that the user liked on the "Favorite posts" link. From this tab, he can also go to his settings page by clicking on the button [Edit profile settings]
5. Article Page users		On this tab, the user can see a page with information about the article, which can be edited or deleted by pressing the [Edit Article] and [Delete Article] buttons respectively. Also, the user can add a comment to this article by clicking the [Post Comment] button
6. Article Page		On this tab, the user can see another user's article, add his comment by clicking on the [Post comment] button, and can also track the articles of this author by clicking the [Follow Username] button, and simply add this article to his favorites by clicking the [Favorite Article] button

Module name	Login type	Description
1. Home	User Logged out	On this tab, the user can see the list of all published on-site articles. Articles are sorted from newest to oldest. One page contains 10 newest articles. At the bottom of the page, the user sees pagination in the amount of 10 newest. On the right side of the page are "popular tags"
2. Article Page		On this tab, you can see the article of the selected user, in order to have additional options for tracking the article or commenting on it, you need to log in using the [Sign in] button or register an account using the [Sign up] button
3. User Page		Page with information about the user. On this tab, the user can see the published articles of the selected author under the link "My posts", other functions can only be accessed after registration or login
4. Sign up		Page for registering new users. On this tab, the user can register by entering his login, password, and his email one by one in the appropriate fields and clicking the [Sign up] button
5. Sign In		Login form. On this tab, the user can log in by entering his correct email and password in the appropriate fields and clicking on the [Sign in] button

1.1.2 Feature not to be tested

Database logical

Security testing

Performance testing

Localization testing

Compatibility testing

1.2 Test type

Exploratory testing:

Explore the product during testing. Do research on new functionality. Try testing without test cases

GUI (Graphic user interface) testing:

checking that all interface elements look as designed: images are displayed, all elements are sized appropriately, and do not overlap each other

Ad hoc testing:

Carry out the planning, execution, and research stages simultaneously

Get to know the product and test it at the same time

1.3 Risk and issue

Risk	Mitigation
Not enough time to complete tasks	Redistribute your tasks and affairs, make testing a priority
Poor knowledge for complete the task	google unfamiliar information, read useful books and articles on software testing
The internet connection is dropped	Go to the nearest internet cafe,
not enough testing tools	Ask mentors for more testing tools

1.4 Test logistics

1.4.1 Who will test?

Rudenko Yaroslav and his IT team

1.4.2 When will the test occur?

The team will start the testing after:

- creating accounts for Jira and TestRail
- creating all the test data and test cases needed
- the whole team will be there
- test computers will be provided by the firm

2. Test objective

The test objectives are to verify the functionality and API of the Conduit app. The testing should be focused on the flow of publishing articles and sharing information between members. The main features are authorization, posting new articles, following members, saving favorite articles

on their own pages, adding likes, and writing comments. Testing should be done on preselected versions of browsers and mobile devices described in the "System resource" section.

3. Test criteria

3.1 Suspension criteria

If the team members report that there are 45% of test cases have failed, suspend testing until the development team fixes all the failed cases.

3.2 Exit criteria

The test is continuing within the project. The test execution will be stopped on the last day of the sprint. If the necessary documentation is created and the test execution is finished. Testing is completed. When the main test objects will be tested and the passed tests will be more than 90% the team can stop the testing.

4. Resource planning

4.1 System resource

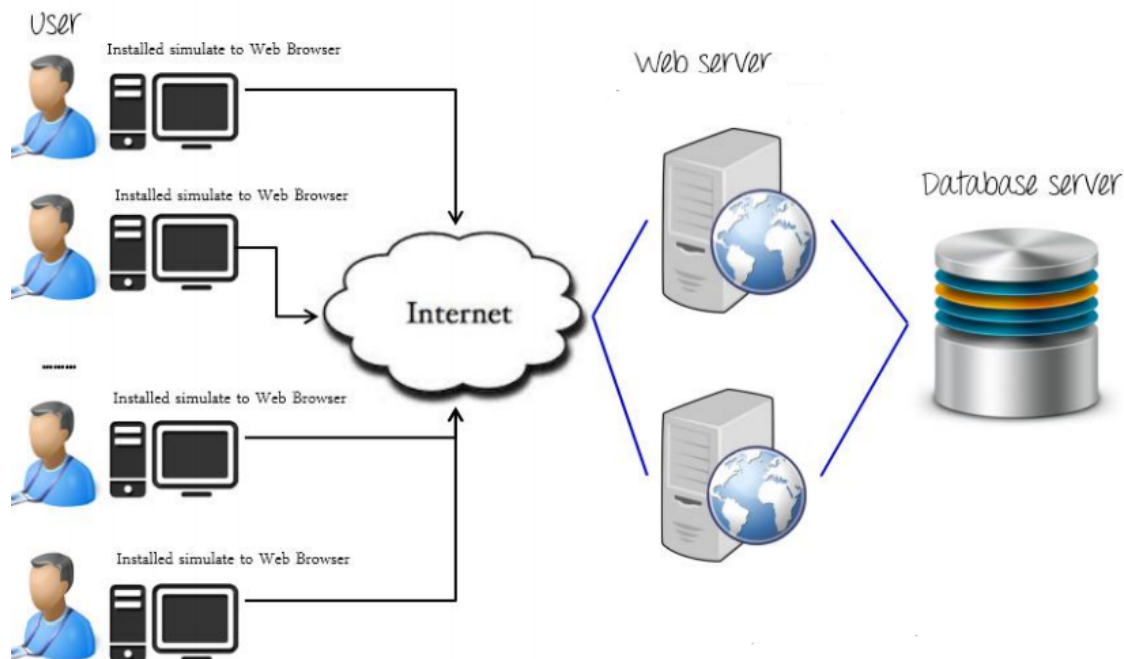
No.	Resources	Description
1.	Computer	Windows 10 or macOS, Ram 4GB, CPU 3.4GHZ
2.	Network	Setup one internet line with a speed of at least 5 Mb/s
3.	Browser	Google Chrome Version 106.0.5249.119 (Official stock) (64-bit version)
4	Notebook	Windows 10 or macOS, Ram 4GB, CPU 2.4GHZ

4.2 Human resource

No.	Member	Tasks
1.	The Main tester: Rudenko Yaroslav	Describes in the Test Plan all activities needed to test the application. Describes the functionality of the Feature to be tested in the section Uses different types of testing to test the application
2.	Mentors: Nikita Zhukov Ivan Shvorak Vadim Savchenko Polina Romanenko Olena Olina Pavlo Vovk Oleksandra Pasenchenko	Check all the tasks I have completed

5. Test environment

Testing should be conducted in the production environment. To run the app locally for working with DB we will use Docker.



6. Schedule & estimation

6.1 All project tasks and estimation

- Creating Decomposition <https://conduit.mate.academy/> (1 man-3 hour)
- Describe the functions of all key elements on the current site (1 man-4 hour)
- According to the decomposition, prepare test cases (1 man-2 hour)
- Creating Jira account and integrate it (1 man-hour)

6.2 Schedule to complete these tasks

7. Test deliverables

are provided as below

7.1 Before testing phase

- Test Decomposition
- Test Cases documents
- Test Plans document
- Requirements

7.2 During the testing

- Test Data
- RTM
- Error logs

7.3 After the testing cycle is over

Bug Report
Test Result