Test plan for "CONDUIT" website

Introduction

The “Conduit” app is designed as an open source to train software developing 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, to 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
Sign Up	User Logged out	**User Logged out**: User should fill all empty fields to registrate like: username, e-mail, password
Username	User Logged out	**User Logged out**: User should create his own username which can contains letters, numbers or special characters
E-mail	User Logged out	**User Logged out**: User should use a new e-mail to registrate
Password	User Logged out	**User Logged out**: User should create password to register which should contain at least one big letter, numbers and special characters
Sign In	User logged in	**User logged in**: User should fill all empty fields which use during the

		registration
E-mail:	User Logged in	**User Logged in:** User should use his own e-mail which use during the registration
Password	User Logged in	**User Logged in**: User should use his own password which use during the registration
Posting Articles	User Logged in User Logged out	**User Logged in:** User can posting articles **User Logged out:** User can not posting articles, he should be logged in
Reading an articles	User Logged in User Logged out	**User Logged in:** User can read an articles **User Logged out:** User can read an article
Post a comment	User Logged in User Logged out	**User Logged in:** User can write post a comment **User Logged out:** User can not add comment, he should be registered
Follow an another user	User Logged in User Logged out	**User Logged in:** User can follow an another user or unfollow **User Logged out:** User can not follow another user, he should be logged in
Like an article	User Logged in User Logged out	**User Logged in:** User can like an article **User Logged out:** User can not like an article, he should be logged in

1.1.2 Feature not to be tested

These feature are not be tested because they are not included in the software requirement specs :

-Home Page
-Settings Page
-Database
-Hardware Interfaces
-Software Interfaces

1.2 Test type

-Security Testing- to check that personal data are safe and will not be transferred anywhere
-Performance Testing- to check how page works when it is overloaded
-Integration Testing- to check if all elements work together

1.3 Risk and issues

Risk	Mitigation
No internet connection	Try to change internet with faster data flow
The final budget is higher than expected	In the beginning is necessary calculate correctly budget. Sometimes it's better to set a larger budget than too small
QA engineer don’t have enough qualifications and skills	Need to prepare a new QA engineer to this task and help him with that
The project requirements are not clear	The manager should prepare a specific requirements with customer’s expected results
The project has too short deadline	The manager should analyze how much time is need test and fix bugs and check if software is complete and with expected our customer

1.4 Test logistics

1.4.1 Who will test?

Iza Wójs as QA tester and team of software development team (business analyst, project manager, developers, QA tester, product designer)

1.4.2 When will the test occur?

The tester can start testing when:

-Software is available for testing
-The specific requirements are created
-Creating all the test data and test cases needed
-Creating decomposition, state transition diagram

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

Whether the team of software tester report that there are 40-50% of test cases failed or one blocker is detected , suspend testing until the development team fixes all the failed cases.

3. 2 Exit criteria

If software is complete, documentation is created and 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 testing. Executions rate is mandatory to be 95% unless a clear reason is given.

4. Resource planning

4.1 System resource

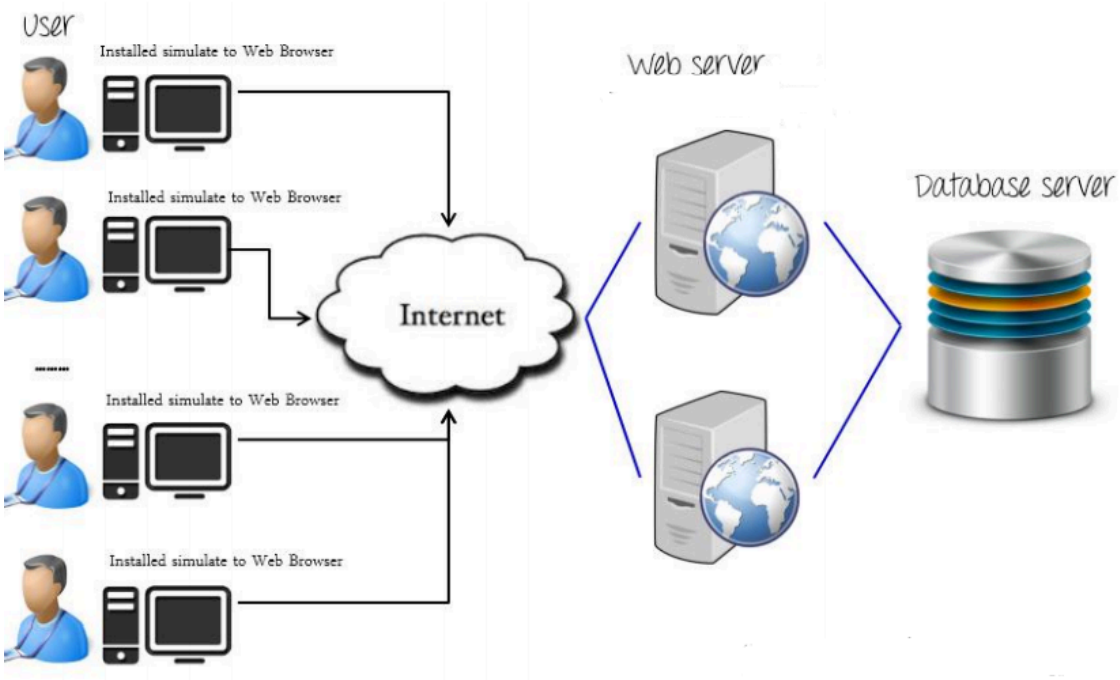
No.	Resources	Description
1	Network	Need a stable Wifi with the fast speed at least 8mb/s or cable connection internet (LAN)
2	Browser	Google Chrome, Edge, Mozilla Firefox
3	OS	Windows 10, Windows 11, Mac
4	Computer	4 Laptops and 1 Desktop

4.2 Human resource

No.	Member	Tasks
1	Iza Wójs and QA team	-Create specific requirements -Create decomposition -Define which tests will be performed -Write test cases -Create bug reports -Create test report

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

Task	Members	Estimate effort
Specific requirements	Test Designer	50 man-hour
Decomposition	@caty @max	10 man-hour
Test cases	@izabela @kamil @megan	20 man-hour
Test report	@jay @karl	10 man-hour
Bug Reports	@peter @claudia	10 man-hour
Summary		**100 man-hours**

6.2 Schedule to complete these tasks

7. Test deliverables

7.1 Before testing phase

-Specific requirements of testing
-Document of test cases
-Decomposition of page
-Test data

7.2 During the testing

-Error logs

7.3 After the testing cycles is over

-Bug reports
-Test results