TEST PLAN

1. Overview

The object of testing is the portfolio website hosted at: https://tetiana-prylepska-qa.vercel.app and this test plan supports following objectives:

- To assess the functionality and features of the portfolio website across various web browsers (Chrome, Opera, Safari) as well as modern Android and iOS devices;
- To verify correctness, completeness, and compliance with the implemented functionality;
- To build confidence in the quality of the test object;
- To check the usability, maintainability and performance of the test object.

1.1 Test levels

Test levels to be considered:

- Component testing;
- Component integration testing;
- System testing;
- Acceptance testing.

1.2 Test types

Black-box testing:

- Equivalence Partitioning;
- Boundary Value Analysis;
- Decision table;

Functional testing;

Non-functional testing:

- Usability;
- Maintainability;
- Performance testing: time of the loading of pages.

2. Test Strategy

The main recommended test strategy for this project is Analytical Test Strategy (subtype: Requirements-based testing). This strategy involves using requirements to create test cases that ensure all requirements are covered. Requirements traceability matrix will be used for monitoring the coverage of requirements by test cases.

3. Scope of testing

The list of test items:

- Contact form;
- The slider in the recommendation section;
- Changing options in the Skills section;
- Internal links;
- External links;

- Document download option;
- UI.

The list of features to be tested:

- Internal links lead to relevant pages;
- External links lead to relevant resources;
- Downloading CV in the contact section;
- Sending a letter via the 'Contact form' to the email of Tetiana Prylepska;
- Loading information based on the selected option in the Skills section;
- Changing information in the slider in the 'Recommendation section' by clicking on button with an arrow;
- Testing adaptivity across mobile browsers and screens with low resolutions (800x600) and high resolutions (1920x1080).

Out of scope:

- Stress testing;
- Failover and Recovery Testing.

4. Entry criteria

The test object can be opened in a browser on devices such as a computer, tablet, or mobile phone. List of preconditions to start testing:

- Access to the internet;
- The web browser (Chrome, Opera, Safari) is installed.

5. Exit criteria
- All test cases executed;
- All the detected defects were identified, fixed and closed.

6. Test deliverables
- Test plan;
- Test suite;
- Test case;
- Check-list;
- Requirements traceability matrix;
- Decision table.

7. Planned effort

The planned effort includes all test activities for testing the test object. 36 hours planned for testing of the test object.