**Test Plan**

QA Fundamentals Exam 26.03.2017

**Prepared by:**

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**1.0 INTRODUCTION**

The product being tested is an web application – an online store. The store has two active actors: unregistered and registered user and an one cooperating system. The Unregistered user can access the basic functionality of the project. One can view products, categories and pictures. The Registered user can access some of the basic CRUD operations over the orders. One can create order, edit its own orders, add and remove details from it, rate products as well.

**2.0 OBJECTIVES AND TASKS**

As per SRS we need to find as many as possible! user-acceptance bugs, functional bugs, design bugs and security bugs all ordered by severity. Provide reproducing steps for each bug report

**3.0 TESTING STRATEGY**

BDD will be considered as the main method to prepare the necessary tests. Thus we will be able to easily convert the natural language used to prepare the SRS into executable tests (especially for the functional tests) and to evaluate the final result.

**3.1 Functional Testing**

**Definition:**

1. Identify functions that the software is expected to perform
2. Create input data based on the function's specifications
3. Determine the output based on the function's specifications
4. Execute the test cases
5. Comparison of actual and expected outputs
6. Check whether the application works as per the business/customer need.

**Participants:**

QA, DEV, PM, Designer

**3.2 Non-functional Testing**

**Definition:**

Test the overall quality of the system not necessarily defined by a function specification.

**Participants:**

QA, DEV, PM, Designer

**3.3 User Acceptance Testing**

**Definition:**

Confirm that the system is ready for operational use. During acceptance test, end-users (customers/business) of the system compare the system to its initial requirements.

**Participants:**

QA, DEV, PM, Designer

**Methodology:**

**4.3.1 Security Testing**

**4.3.2 Design and UX**

**4.0 TEST SCHEDULE**

16:00-16:30 Reviewing and analyzing the SRS and tasks given. Choosing the best, most effective approach, choosing the tools. Completing the current Test Plan with the actual tasks given as per SRS

16:30-16:45 Creating test accounts(e-mails) for the additional roles as per SRS and tasks, e.g. developer(lead), designer, PM, etc. Fill the respective table in the 6.0 resources/roles section of this plan

16:45-17:30 Creating/preparing/naming the test cases in the .feature file using gherkin language. Executing the created TCs and filling the respective forms – Test case Summary Table, opening incidents in the bug tracking tool if necessary, assigning issues to the relevant participants, etc.

17:30-17:45 – break

17:45 – 18:30 Create Automated Test if applicable and possible using IDEA, Selenium web driver.

18:30-19:00 uploading relevant documentation in GitHub Repository, creating relevant links in this particular plan wherever possible. Zipping all relevant documentation and uploading to the relevant place.

**5.0 RESOURCES/ROLES & RESPONSIBILITIES**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | ROLE | E-MAIL | E-MAIL PASSWORD | GITHUB | GITHUB  PASSWORD |
| Anna  Mladenova |  |  |  | <https://github.com/AMladenova/QA-Fundamentals-Exam-26.03.2017> |  |
| Kevin Scott | DevLead | kevin\_scott@abv.bg | kevin\_scott | KevinScott123 |  |
| Kevin Lynch | Designer | kevin\_lynch@abv.bg | kevin\_lynch | KevinLynch123-Blocked by GitHub, cannot assign him anything |  |
| Rob High | PM | rob\_high@abv.bg | rob\_high | RobHigh123 |  |

**6.0 DELIVERABLES**

**Major Deliverables**:

– Test Plan

– Test Cases

– Test Case Summary Report

**7.0 RISKS/ASSUMPTIONS**

This particular QA has issue with running automated tests (gecko drivers error message, still not resolved) but still will try to create an automated test.

Time won’t be enough for all tasks to be completed.

**8.0 TOOLS**

Bug tracking tool – [GitHub](https://github.com/AMladenova/QA-Fundamentals-Exam-26.03.2017)

Test Case Summary Reporting tool – [Google Test case template](https://docs.google.com/spreadsheets/d/1UCJOHbsN_W4wm7qp_UKt2b4Yr6s1qdcf_27uOFnfyzE/template/preview?usp=drive_web)

Bug reporting tool – [Google Bug Report Template](https://docs.google.com/document/d/1dIjvto1F3VpOKXtzPEwrD6k0HlTiagbbGb56S_FFTaQ/template/preview?usp=drive_web)

Automation tests tools – IntelliJ IDEA Community, Selenium Web Driver