

# **TEST PLAN FOR EXPLORATORY TESTING OF FACTORIAL CALCULATOR**

General information	
Customer	xxx
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				Author	Date

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# 1. INTRODUCTION

## 1.1. Objectives

The Test Plan has been created to communicate the test approach to team members. It includes the objectives, scope and approach. This document describes the methods and procedures that will be used in the exploratory testing process of the Factorial Calculator from <https://qainterview.pythonanywhere.com/>.

## 1.2. Purpose

The purpose of the testing process in the Factorial Calculator project is to detect errors in its operation and to provide information about the quality of the software. The result will be confirmed with a report on the activities carried out.

# 2. SCOPE

The document is about testing the GUI, testing usability and checking the functionality of the Factorial Calculator from <https://qainterview.pythonanywhere.com/>.

No requirements specification.

## 2.1. Functions to be tested

- GUI
- Application usability
- Factorial Calculator logic
- Factorial Calculator functionality

## 2.2. Functions not to be tested

- Not other than mentioned above in section 2.1

# 3. TEST APPROACH

The main testing approach will be exploratory testing without test cases. The team must also use experience-based testing and error guessing, use testers' skills, intuition and experience with similar applications or technologies. It will also be checked how the software works in the supported browsers.

# 4. RESOURCES

## 4.1. Tools for use in the project

Name of process	Tool
Defect management	JIRA
Test reporting	Microsoft Word
Screenshots / Video capture	ShareX

## 4.2. The list of the browsers

Name of the browsers	Version	Operation system
Google Chrome	112.0.5615.121 (64 bit)	Windows 10
Mozilla Firefox	112.0 (64 bit)	Windows 10
Microsoft Edge	112.0.1722.48 (64 bit)	Windows 10

## 5. ENTRY AND EXIT CRITERIA

### 5.1. Entry criteria

- The test environment such as hardware, tools and software must have been successfully installed, configured and functioning properly
- Testers are experienced in exploratory testing
- Test data are available

### 5.2. Exit criteria

- The schedule has been reached
- Defects are documented and reported
- Prepared test report

## 6. TEST SCHEDULE

The test will be carried out from 24/04/2022 to 26/04/2023. The table below shows a detailed action plan.

Task name	Start	Finish	Person
Create test plan	24.04.2023	24.04.2023	Paweł Hachuła
Create test data	24.04.2023	24.04.2023	Paweł Hachuła
Exploratory testing	25.04.2023	25.04.2023	Paweł Hachuła
Creating test report	26.04.2023	26.04.2023	Paweł Hachuła

## 7. BUG SEVERITY AND PRIORITY DEFINITION

Bug Severity and Priority fields are both very important for categorizing bugs and prioritizing if and when the bugs will be fixed. The bug Severity and Priority levels will be defined as outlined in the following tables below. Testing will assign a severity level to all bugs. The Test Lead will be responsible to see that a correct severity level is assigned to each bug.

### 7.1. Severity list

Severity ID	Severity Level	Severity Description
1	Critical	The module/product crashes or the bug causes non-recoverable conditions. System crashes, GP Faults, database or file corruption, potential data loss, program hangs requiring reboot are all examples of a severity 1.
2	High	Major system components are unusable due to failure or incorrect functionality. Severity 2 bugs cause serious problems such as a lack of functionality, or insufficient or unclear error messages that can significantly impact the user, prevent other areas of the app from being tested, etc. Severity 2 bugs can have a workaround, but the workaround is inconvenient or difficult.
3	Medium	Incorrect functionality of component or process. There is a simple workaround for the bug if it is severity 3.
4	Minor	Typos and misspellings are severity level 4.

### 7.2. Priority list

Priority ID	Priority Level	Priority Description
1	Highest	This bug must be fixed immediately; the product cannot ship with this bug.
2	High	These are important problems that should be fixed as soon as possible.
3	Medium	The problem should be fixed within the time available. If the bug does not delay the shipping date, then fix it.
4	Low	It is not essential (at this time) that these bugs be addressed. Fix these bugs after all other bugs have been fixed.
5	Lowest	Minor fixes/improvements

## 8. ROLES AND RESPONSIBILITIES

Role	Responsibilities
Project Manager	<ol style="list-style-type: none"><li>1. Acts as the team's primary contact person for development and quality control.</li><li>2. Responsible for the project schedule and overall project success.</li></ol>
Test Lead	<ol style="list-style-type: none"><li>1. Participates in the process of creating/updating the project plan.</li><li>2. Plans and organizes the test process.</li><li>3. Works with testers on any matter/issue encountered during testing.</li><li>4. Reports progress in tasks to the Project Manager.</li></ol>
Software tester	<ol style="list-style-type: none"><li>1. Creates a test plan.</li><li>2. Prepares test data.</li><li>3. Performs exploratory tests.</li><li>4. Reports and tracks defects.</li><li>7. Participates in bug reviews.</li><li>8. Liaises with the QA manager for any issues encountered during test preparation/execution.</li><li>9. Creates a test report.</li></ol>

## 9. APPROVALS

The document should be approved by Project Manager and Test Lead by 13/04/2023. After approval, appropriate environments and tools will be prepared, and all testing activities will be carried out in accordance with the above schedule.

	Project Manager	Test Lead
<b>Name</b>		
<b>Signature</b>		