**MASTER TEST PLAN**

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# INTRODUCTION

This document describes the testing process of Team vs7hec0de’s application. The application enables users to:

* Create teams with students and teachers.

# DEFINITIONS

Vs7hec0de – versus the code.

# ENTRY AND EXIT CRITERIA

# Entry Criteria

1. Software requirements are provided
2. Functionality is deployed on environment
3. Required access is provided
4. Test procedures defined
5. Code freeze

# Exit Criteria

1. All happy paths are covered
2. There are no blocking or critical severity defects
3. When time runs out

# OBJECTIVES AND TASKS

# Objectives

The main objective is to guarantee that all application functionalities of the code are working after the deployment process. The test plan is used to define the entry criteria, exit criteria, objectives and tasks, different responsibilities of the project roles and bug reporting. At the end of the development part, users should find out that the application has met all required criterias and covered their expectations.

# Tasks

The main tasks that will be completed in accordance with the test objectives will be:

1. Performing an analysis of the functionalities;
2. Executing manual tests;
3. Preparing test and bug reports.

# SCOPE

All defined features of the code will be tested.

1. Manual testing
   * + Add students
     + Add teacher
     + Generate teams
     + Edit teams, students or teachers
     + Print teams, students or teachers
     + Create teams, students or teachers
     + Save
     + Open last save
     + Exit

# APPROACH

Manually testing bugs and reporting them on the excel test case table.

# TESTING PROCESS

# Test Deliverables

Excel Summary Tested cases

# Responsibilities

1. Development team
   1. Developing requirements of the task
   2. Bug fixing
2. QA Team
   1. Design high-level test cases
   2. Test Case Manual Execution
   3. Bug and test case summary reports

# Resources

1. Excel as a test case management and writing tool

2. GitHub as an issue and bug tracker

# Estimation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Task | Type | Complexity | Order | Days |
| Test plan | Independent | 3 | 1 | 3 |
| High-level test cases | Dependent | 3 | 2 | 1 |
| API Tests | Dependent | 1 | 3 | 2 |
| UI Tests | dependent | 1 | 4 | 2 |
| Test Report | Independent | 4 | 5 | 1 |
| Bug Report | Independent | 4 | 6 | 3 |
| Script | Independent | 3 | 7 | 1 |
| Manual Testing | Dependent | 4 | During the whole process | - |
| Presentation | Independent | 5 | 8 | 1 |

# ENVIRONMENT REQUIREMENTS

1. OS:
   * Windows 10 Home, Version: 1903, 64-bit