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Revision 1

Test Plan

System Test Plan for Golf Score

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1. Objectives

This document describes the test plan for the Golf Score Release 1.0 and includes information on what is to be tested, and how the testing is to be accomplished. Specifically, this document describes the tests to be performed, the testing schedule, resources required, entry criteria, exit criteria, dependencies, test tools, metrics, and traceability. This is a living test plan and must be changed to reflect the current needs of the test team and new requirements as they arise.

2. Scope

2.1 Description

Golf Score Release 1.0 is a program to process scores from a golf tournament, and produce various reports showing who won the tournament and how the golfers performed on each course played. This test plan will cover test cases that should be black box system tests. Unit, acceptance and integration level tests are out of the scope for this test plan.

2.2 References

Software Requirements Specification/ Design Document GolfScore Revision 1.0 by Neil Bitzengolfer

3. Schedule

Black box system testing will be performed at the end of the development cycle of the GolfScore 1.0 Software before market wide release. This test plan should require 5 days of QA capacity.

4. Resources Required

Humanpower: One or two Quality Assurance analysts will be needed for system testing of the GolfScore executable at the end of the development cycle.

Software: Java 8 JRE.

Hardware: To test this software the QA analysts will require a physical machine / VM with each of the following operating systems supported by Java 8:

Windows

- Windows 11 (64 bit only) 8u311 and above
- Windows 10 (8u51 and above)

macOS

- macOS 12(8u311 and above)

Linux

- Red Hat Enterprise Linux 8 (8u221 and above)
- Ubuntu Linux 21.04 (8u291 and above)

5. Dependencies

The machine being tested on should have Java 8 installed. GolfScore binary / executable to be tested for each supported OS.

6. Entry Criteria

- Successful completion of prior testing phases (unit and integration testing).
- Priority bugs found during previous testing activities have been fixed and closed.
- Functional and Business requirements have been validated and met.
- System testing environment is ready.
- Test cases are available.
- Test case development effort

7. Exit Criteria

- Successful execution of all user system tests.
- Business requirements were fulfilled.
- No critical defects have been left out.
- Signing off system testing.
- Test and defect report added

8. Test Tools

Defect reporting and tracking

- Each bug should be filed as a ticket in Jira under the GolfScore System Testing Epic.

Version Control Software

- All testing scripts should be hosted on github under the GolfScoreTest GitHub Repository

9. Owner(s)

Team Koala Bears (Moti Begna, Kalven Schraut, Rohit Bagda)

10. Metrics

A spreadsheet shall be maintained to keep track of testing progress. This shall include

- A link to the Test Case and Test Requirements Document.
- All test cases (including Test Case ID and Test Case title, last date of execution)
- Status of execution for each test case and the operating system used to test.
 - Each test case should clearly denoted by either of the following:
 - Passed
 - Failed
 - In progress
 - Pending
 - Blocked
 - If there are bugs filed the Jira ticket number should be linked in the spreadsheet as well.

11. Traceability

Each test case in the Test Case & Test Requirements document should be linked to a specification listed in the Requirement Specification document. There will also be a test module for each requirement section. For forwards

traceability we will have a column in the requirements matrix that will indicate which test case id will test each requirement.

12. Document History

Rev. 1.0 - 02/17/23 Initial Draft of this Test Plan Template

13. Definitions and Acronyms

N/A

APPENDICES

N/A