MSSE SOFTWARE, INC

**Test Plan for**

**GOLFSCORE**

Confidential and Proprietary Information of Datacard Worldwide

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# Introduction

## Objective

The Test Plan is an aggregation of information, which describes the entire test activity for this project. It covers the entire testing effort (unit, development test, system verification test, and Beta). It identifies the product requirements, schedules, resource requirements (people, effort and equipment), quality, assumptions, exclusions, and risks.

A preliminary Test Plan is prepared for the Project Team during the System Phase of PEAQ Process. This Test Plan will be updated in the earliest possible time of the Implementation Phase, so that progress can be tracked during implementation.

## Project Description

The purpose of the program is to process scores from a golf tournament, and produce reports showing who won the tournament and how the golfers performed on each course played.

## Process Tailoring

[This project will use software development and management processes as a guideline. Some tailoring of the process based upon the unique project requirements will be discussed here. Rationale for eliminating certain process steps will be given.

Specification, functional, and performance, documentation testing are planed for this project.

Referenced Documents

1. Software Development Process Handbook (no revision, no date)

2. Software Requirements Specification for the golfcourse , July 18, 2017

# Assumptions/Dependencies,

* The number of golf courses specified for the tournament can be from 1 to 5. Each golfer is expected to play each course once.
* The number of golfers entered in the tournament can be from 2 to 12.
* Each golf course has 18 holes, and par for each hole is either 3, 4 or 5 strokes.
* A golfer's score for a each hole is determined as shown in Section 2.3.2 and is based on the number of strokes under or over par taken to complete that hole. Thus score and stroke count are not the same.
* A golfer's stroke count for a particular golf course is the sum of the stroke counts for each of the 18 holes.
* A golfer's score for a particular golf course is the sum of the scores for each of the 18 holes.
* A golfer’s total tournament score is the sum of his or her scores for all courses played.
* Note that the lower a golfer’s stroke count (relative to par), the higher his or her score for that hole.
* The score earned by a golfer for each hole played is as follows:
* Stroke count Score over par 0

par 1

1 under par 2

2 under par 4

3 or more under par 6

* Also listed here are the external dependencies, such as code completion by a certain date in order to meet the test schedule. Other dependencies might include prototype available and functional by a certain date.]

# Test Requirements

# Data input to GolfScore will consist of a formatted text file containing the following records in the order given.

1. Course Record -All course record come first in the input file. The purpose of the Course Records is to describe the various courses being used. There will be one Course Record for each golf course used in the tournament. Each record contains the name of the course, an identifier for the Golfer Records, and par for each of its 18 holes.

Column 1 Blank

Columns 2-19 Course name

Column 20 Single-character course identifier

Columns 21-38 Par for holes 1-18, in order, single integer: 3, 4, or 5

1. Delimiter Record- The end of course record is specified by Delimiter record with the following format

Column 1 Non blank

3. There will be one Golfer Record for each golfer for each course played. Each record contains the name of the golfer, the Course Identifier, and the golfer’s stroke count on each of the 18

holes.

Column 1 Blank

Column 2 Course Identifier

Columns 3-9 Ignored

Columns 10-29 Golfer name

Column 30 Ignored

Columns 31-48 Stroke count for each of the 18 hole

# 4.0Test Tools

[Itemize a list of test tools needed to conduct the test activities. Identify existing tools as well as any to-be-developed or purchased tools. If some software tools need to be developed, describe the process to be used. The schedule and resource requirements must be identified and included in the sections that follow.]

# Resource Requirements

[Based upon the test requirements identified in Section 3.0 and the tools development identified in Section 4.0, an estimate of resource required to accomplish the tests are performed. See Appendix A for details.]

# Test Schedule

|  |  |  |
| --- | --- | --- |
| **Test Sequence** | **Start** | **Finish** |
| 1.Test development | 5-15-2021 | 5-18-2021 |
| 2.Module availability | 5-16-2021 | - |
| 3.SVT Input Testing | 5-17-2021 | 5-21-2021 |
| 4.SVT Output Testing | 5-22-2021 | 5-31-2021 |

# Risks/Mitigation

# Input Data errors checked for are as follows:

# i) Non-numeric data where numeric data is expected: the program will stop with an appropriate error message

# ii) Par values that are not 3, 4, or 5: the program will stop with an appropriate error message.

# iii) Any golfer that has two or more records for the same golf course: the additional records after the first will be ignored, a message will be displayed, and processing will continue

# 7.0 Metrics

The following metrics data will be collected. Some will be collected prior to, and some after product shipment.

Prior to shipment:

Effort expended during DVT, SVT and Regression

# of defects uncovered during DVT, SVT and Regression, and development phase each defect is attributable to

Test tracking S-Curve

PTR S-Curve

After shipment:

# of defects uncovered and development phase each defect is attributable to

Size of software

Appendix A – Detailed Resource Requirements

[To estimate the resource, all test activities must be identified and resources needed to accomplish the activities estimated. Detailed estimates will be shown here. This consists of identifying all project test activities by the Test Group and the number of hours estimated to accomplish these activities. Be specific. Show specific responsible test engineer’s names, if possible. A grand total of the effort must be shown here, as well as in Section 5.0.]

Appendix B – Detailed Test Schedule

[Attach two charts, viz. Gantt and PERT. In Gantt, main activities are shown as a list on the Y-column with bars parallel to the X-axis, showing the timeframe to perform activities. In PERT, dependencies of each activity must be identified.]