

CMSC 447  
Software Test Report (STR)

Revision 1

1	Scope	3
1.1	Identification	3
1.2	System overview	3
1.3	Document overview	3
2	Referenced documents	3
3	Overview of test results	3
3.1	Overall assessment of the software tested	3
3.2	Impact of test environment	4
3.3	Recommended improvements	4
4	Detailed test results	4
4.1	(Project-unique identifier of a test)	4
4.1.1	Summary of test results	4
4.1.2	Problems encountered	4
4.1.3	Deviations from test cases/procedures	4
5	Test log	5

## 1 Scope

### 1.1 Identification

This Software Test Report (STR) shows the results of tests (explained in detail within the STP) run against version 1.0.0. of the CSCI, called the ROBBR system. No other releases of this system have been made, and no new releases are foreseen as of latest document revision.

### 1.2 System overview

The purpose of the ROBBR system is to allow a user to determine the best location for a new headquarters for some particular jewel thief syndicate. The system collect publicly available statistics about locations within the United States, and the user provides criteria for filtering and ranking houses within a user-selected state. The system then generates a list of houses, weighed by their adherence to the user specified criteria, and displays it to the user. The ROBBR system is being developed for the customer who will be the sole sponsor, acquirer, and user. The ROBBR system will run on a bootable which may be carried by the customer. The I am Root Software Engineering Team shall be the sole developers of the software, and any reference to the developer will refer to the I am Root Software Engineering Team. For privacy and security reasons, the customer is not identified.

### 1.3 Document overview

The STR serves to show the state of requirement satisfiability. The conditions for testing are listed in the STP, and the results of those tests are cataloged here, along with relevant logging information.

## 2 Referenced documents

This section shall list the number, title, revision, and date of all documents referenced in this report. This section shall also identify the source for all documents not available through normal Government stocking activities.

Number	Title	Revision	Date
1	Software Development Plan	1	4/19/2018
2	Software Requirement Specification	1	4/19/2018
3	Software Design Document	1	5/9/2018

4	Software User Manual	1	5/13/2018
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### **3 Overview of test results**

#### **3.1 Overall assessment of the software tested**

According to the test results the software works as expected and without error.

#### **3.2 Impact of test environment**

The test environment has no impact on the program or host system

#### **3.3 Recommended improvements**

None.

### **4 Detailed test results**

#### **4.1 ROBBR\_DATA\_FILE\_TEST**

##### **4.1.1 Summary of test results**

All CSV's

##### **4.1.2 Problems encountered**

Problems occurred with logic errors and syntax of test scripts but once the logic was made sound, there were no problems with testing.

##### **4.1.3 Deviations from test cases/procedures**

None.

#### **4.2 ROBBR\_DATA\_USB\_TEST**

##### **4.2.1 Summary of test results**

Test revealed an error which was fixed. After fixing the error the test ran without issue.

##### **4.2.2 Problems encountered**

The USB test revealed a memory capacity error which has since been fixed.

##### **4.2.3 Deviations from test cases/procedures**

None.

### **4.3 ROBBR\_GUI\_INPUT\_TEST**

#### **4.3.1 Summary of test results**

Slider values were found to be fully representative of values passed to processing.

#### **4.3.2 Problems encountered**

None.

#### **4.3.3 Deviations from test cases/procedures**

None

### **4.4 ROBBR\_GUI\_OUTPUT\_TEST**

#### **4.4.1 Summary of test results**

Houses displayed on map matched expected locations when googled.

#### **4.4.2 Problems encountered**

None.

#### **4.4.3 Deviations from test cases/procedures**

None.

### **4.5 ROBBR\_PROCESSING\_TEST**

#### **4.5.1 Summary of test results**

Output house list matched pre determined expected values.

#### **4.5.2 Problems encountered**

None.

#### **4.5.3 Deviations from test cases/procedures**

None.

## **5 Test log**

All tests were performed on 5/14/2018.

## **6 Notes**

This section shall contain any general information that aids in understanding this document (e.g., background information, glossary, rationale). This section shall include an alphabetical listing of all acronyms, abbreviations, and their meanings as used in this document and a list of any terms and definitions needed to understand this document.