

# Test Plan and Procedure – P3.1

ECE 3740 – Ken Ferens – Fall 2017

Assignment 3

Daniel Lovegrove

October 23, 2017

## TABLE OF CONTENTS

1. INTRODUCTION .....	3
1.1 Purpose of the Test Plan Document .....	3
2. TESTING.....	3
2.1 Test Plan and Cases .....	3
2.2 Test Procedures.....	3
2.2.1 Start up GUI Interface .....	3
3. TEST PLAN APPROVAL.....	4
4. REFERENCES .....	4

# 1. INTRODUCTION

## 1.1 Purpose of the Test Plan Document

The purpose of these tests are to verify the working order of the mock up of the graphical user interface (GUI) that will be used for project 3.2.

## 2. TESTING

### 2.1 Test Plan and Cases

Item to Test	Test Description	Test Date	Responsibility
Start up GUI Interface	Verify that running the GUI project opens a mock interface for communicating with the server.		Daniel Lovegrove

### 2.2 Test Procedures

#### 2.2.1 Start up GUI Interface

Prerequisites: Have the P3.1 folder downloaded and ensure the Netbeans IDE is installed and configured to run Java applications.

Instruction	P/F
1. Open the Netbeans IDE. Click File -> Open Project. Using the file explorer that Netbeans just opened, navigate to the P3.1 folder and open the "ClientGUI" project inside of it.	
2. On the left panel, single click the ClientGUI project, make sure it is highlighted before moving to the next step.	
3. Press F6 to run the ClientGUI project.	
4. The application should have opened a graphical user interface with various buttons.	
5. Verify that there are buttons for Connect, Disconnect, Get Time, Quit, LED control checkboxes, and Push Button monitoring buttons. There should also be a text area for output.	
6. Quit the application by clicking the red x at the top right of the window.	
7. Verify that the application is not running anymore: the output window in Netbeans should show a message in green that says BUILD SUCCESSFUL.	
8. Optionally, close the Netbeans IDE and remove the project from the file system since it is no longer needed.	

### 3. TEST PLAN APPROVAL

The undersigned acknowledge they have reviewed the P3.1 Test Plan and Procedure document and agree with the approach it presents. Any changes to this Requirements Definition will be coordinated with and approved by the undersigned or their designated representatives.

Signature (TA) \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Role: \_\_\_\_\_

### 4. REFERENCES

K. Ferens, "ECE 3740 Systems Engineering Principles 1," 15 September 2001. [Online]. Available: <http://ece.eng.umanitoba.ca/undergradutate/ECE3740/>. [Accessed 23 October 2017].