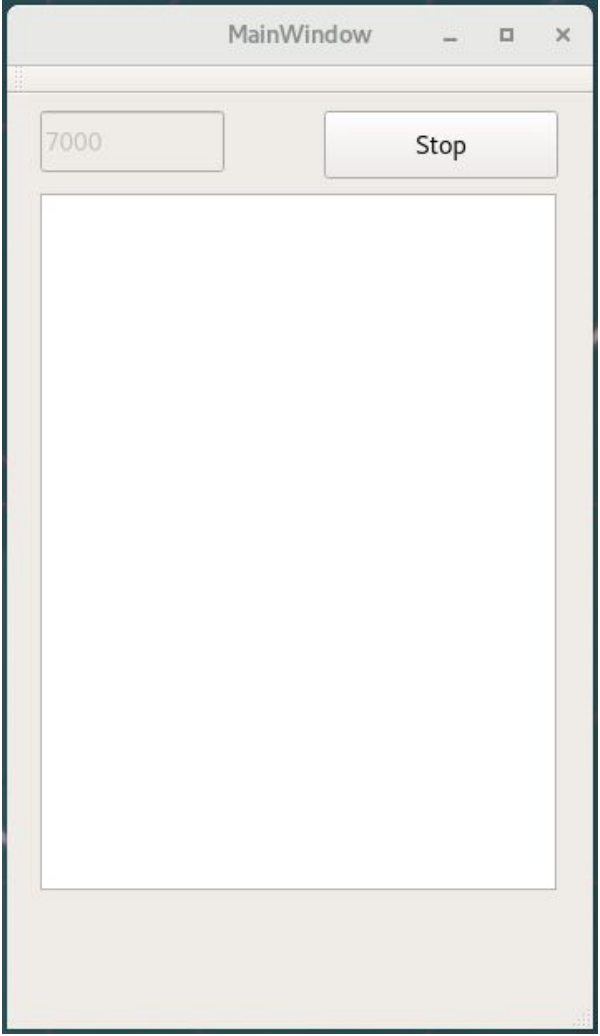


# COMP4981 ASSIGNMENT 03

## TESTING DOCUMENTATION

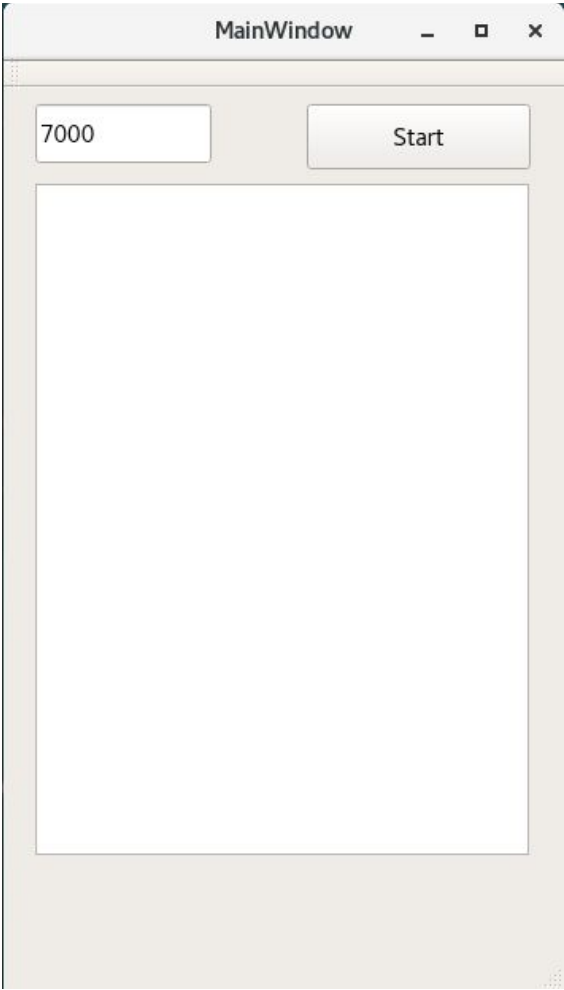
All testing performed on lab computers #08, #09 and #10 in SE12 323.

Test#	1
Description	Test server gui start/stop response
Test Steps	Server <ol style="list-style-type: none"><li>1. Enter port "7000".</li><li>2. Click start.</li></ol>
Expected Result	Server port input will be greyed out. Server Start button will now say stop.
Actual Result	 <p>The screenshot shows a window titled 'MainWindow' with a standard Windows-style title bar (minimize, maximize, close buttons). Inside the window, there is a text input field containing the text '7000'. To the right of the input field is a button labeled 'Stop'. Below these elements is a large, empty rectangular area, likely a display for server output or logs. The overall appearance is that of a simple desktop application.</p>
Success	Yes

# COMP4981 ASSIGNMENT 03

## TESTING DOCUMENTATION


All testing performed on lab computers #08, #09 and #10 in SE12 323.

Test#	2
Description	Test server gui start/stop response
Test Steps	Server <ol style="list-style-type: none"><li>1. Enter port "7000".</li><li>2. Click start.</li><li>3. Click stop.</li></ol>
Expected Result	Server port input will be returned to normal. Server Stop button will now say Start.
Actual Result	
Success	Yes

# COMP4981 ASSIGNMENT 03

## TESTING DOCUMENTATION

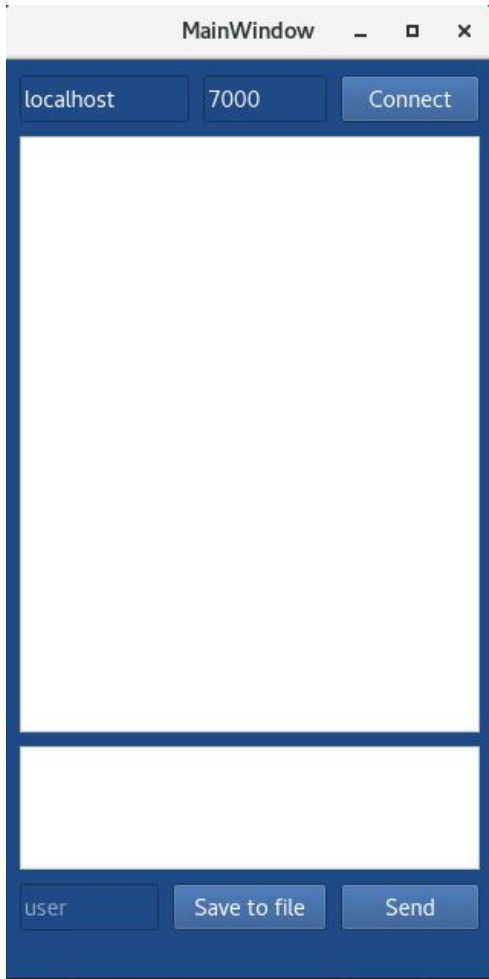
All testing performed on lab computers #08, #09 and #10 in SE12 323.

Test#	3
Description	Test client gui connect/disconnect response
Test Steps	Server <ol style="list-style-type: none"><li>1. Enter port "7000".</li><li>2. Enter host "localhost".</li><li>3. Click Connect.</li></ol>
Expected Result	Server port input will be greyed out. Server Start button will now say stop.
Actual Result	 <p>The screenshot shows a window titled 'MainWindow' with a dark blue border. At the top, there are three input fields: 'localhost', '7000', and 'Disconnect'. Below these is a large white rectangular area. At the bottom, there are three buttons: 'user', 'Save to file', and 'Send'.</p>
Success	Yes

# COMP4981 ASSIGNMENT 03

## TESTING DOCUMENTATION

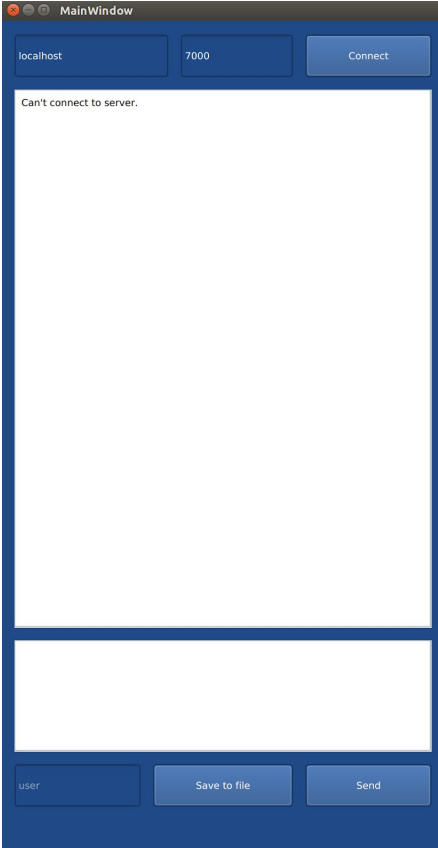
All testing performed on lab computers #08, #09 and #10 in SE12 323.

Test#	4
Description	Test client gui connect/disconnect response
Test Steps	Server <ol style="list-style-type: none"><li>1. Enter port "7000".</li><li>2. Enter host "localhost".</li><li>3. Click Connect.</li><li>4. Click Disconnect</li></ol>
Expected Result	Server port input will be returned to functionality. Server Stop button will be returned to Start.
Actual Result	 A screenshot of a software application window titled 'MainWindow'. The window has a dark blue header bar. Below the header, there are two input fields: the first contains 'localhost' and the second contains '7000'. To the right of these fields is a blue button labeled 'Connect'. Below the input fields is a large white rectangular area. At the bottom of the window, there are three buttons: 'user', 'Save to file', and 'Send'.
Success	Yes

# COMP4981 ASSIGNMENT 03

## TESTING DOCUMENTATION

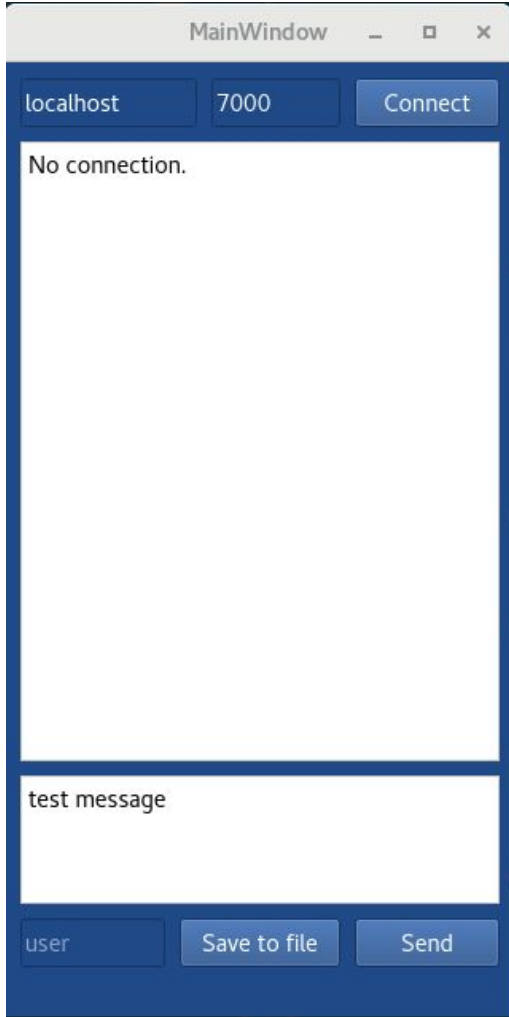
All testing performed on lab computers #08, #09 and #10 in SE12 323.

Test#	5
Description	Connect without starting server.
Test Steps	<p>Client</p> <ol style="list-style-type: none"><li>1. Enter host "localhost".</li><li>2. Enter port "7000"</li><li>3. Click Connect</li><li>4. Type "test message" in the input box.</li><li>5. Click Send</li></ol>
Expected Result	Client will display "Can't connect to server."
Actual Result	
Success	Yes

# COMP4981 ASSIGNMENT 03

## TESTING DOCUMENTATION

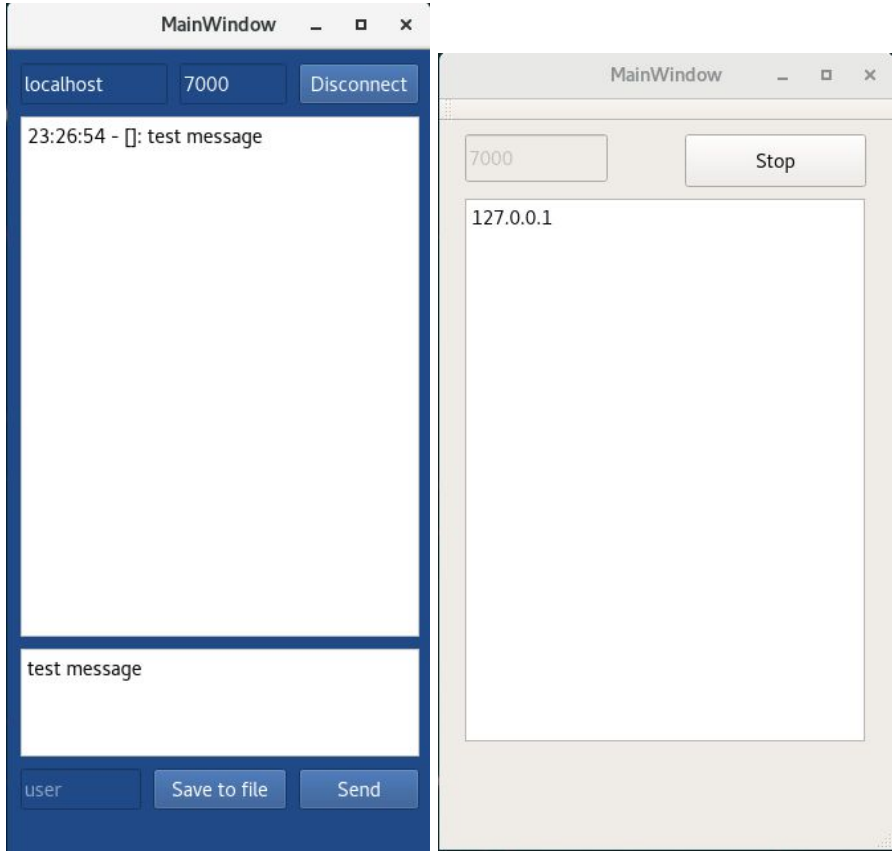
All testing performed on lab computers #08, #09 and #10 in SE12 323.

Test#	6
Description	Send a message without connecting to a server.
Test Steps	Client <ol style="list-style-type: none"><li>1. Type "test message" in the input box.</li><li>2. Click Send</li></ol>
Expected Result	Client will display "No Connection"
Actual Result	 A screenshot of a Windows application window titled 'MainWindow'. The window has a dark blue header bar. Below the header, there are three input fields: 'localhost', '7000', and a 'Connect' button. Below these is a large white text area displaying 'No connection.'. At the bottom of the window, there is a text input box containing 'test message', and below that are three buttons: 'user', 'Save to file', and 'Send'.
Success	Yes

# COMP4981 ASSIGNMENT 03

## TESTING DOCUMENTATION

All testing performed on lab computers #08, #09 and #10 in SE12 323.

Test#	7
Description	Establish a localhost connection between a single client and the server.
Test Steps	<p>Server</p> <ol style="list-style-type: none"><li>1. Enter port "7000".</li><li>2. Click start.</li></ol> <p>Client</p> <ol style="list-style-type: none"><li>1. Enter host "localhost".</li><li>2. Enter port "7000"</li><li>3. Click Connect</li><li>4. Type "test message" in the input box.</li><li>5. Click Send</li></ol>
Expected Result	Server will display "127.0.0.1" Client will display {timestamp} - []: test message
Actual Result	
Success	Yes

# COMP4981 ASSIGNMENT 03

## TESTING DOCUMENTATION

All testing performed on lab computers #08, #09 and #10 in SE12 323.

Test#	8
Description	Establish a localhost connection between multiple clients and a server.
Test Steps	<p>Server</p> <ol style="list-style-type: none"><li>1. Enter port "7000".</li><li>2. Click start.</li></ol> <p>Client 1</p> <ol style="list-style-type: none"><li>1. Enter host "localhost".</li><li>2. Enter port "7000"</li><li>3. Click Connect</li></ol> <p>Client 2</p> <ol style="list-style-type: none"><li>1. Enter host "localhost".</li><li>2. Enter port "7000"</li><li>3. Click Connect</li></ol> <p>Client 3</p> <ol style="list-style-type: none"><li>1. Enter host "localhost".</li><li>2. Enter port "7000"</li><li>3. Click Connect</li></ol> <p>Client 1</p> <ol style="list-style-type: none"><li>1. Type "test message 1" in the input box.</li><li>2. Click Send</li></ol> <p>Client 2</p> <ol style="list-style-type: none"><li>1. Type "test message 2" in the input box.</li><li>2. Click Send</li></ol> <p>Client 3</p> <ol style="list-style-type: none"><li>1. Type "test message 3" in the input box.</li><li>2. Click Send</li></ol>
Expected Result	<p>Client 1:</p> <p>{timestamp} - []: test message 1</p> <p>{timestamp} - []: test message 2</p> <p>{timestamp} - []: test message 3</p> <p>Client 2:</p> <p>{timestamp} - []: test message 1</p> <p>{timestamp} - []: test message 2</p> <p>{timestamp} - []: test message 3</p> <p>Client 3:</p> <p>{timestamp} - []: test message 1</p> <p>{timestamp} - []: test message 2</p> <p>{timestamp} - []: test message 3</p> <p>Server:</p> <p>127.0.0.1</p> <p>127.0.0.1</p>



# COMP4981 ASSIGNMENT 03

## TESTING DOCUMENTATION

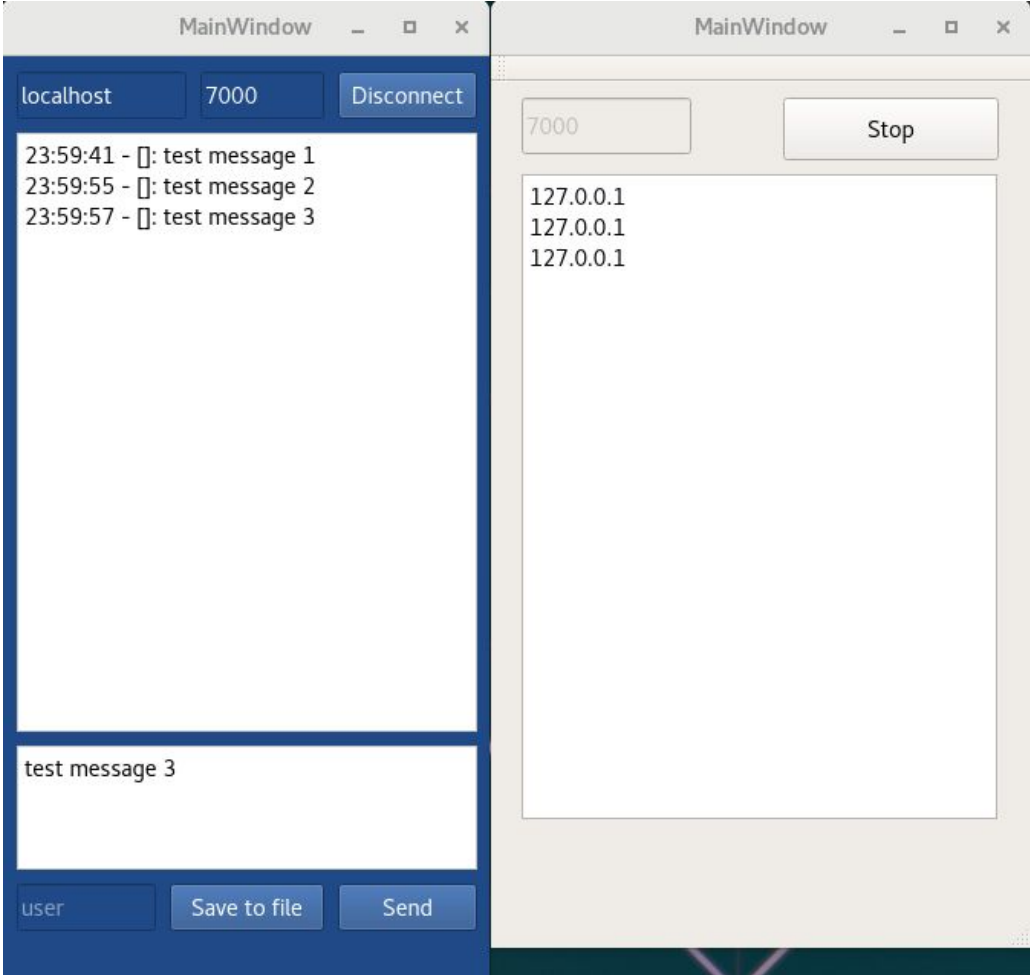
All testing performed on lab computers #08, #09 and #10 in SE12 323.

	127.0.0.1
Actual Result	<div><div><div>MainWindow</div><div><div>localhost7000Disconnect</div><div>23:59:41 - []: test message 1 23:59:55 - []: test message 2 23:59:57 - []: test message 3</div><div>test message 1</div><div><div>user</div><div>Save to file</div><div>Send</div></div></div></div><div><div>MainWindow</div><div><div>localhost7000Disconnect</div><div>23:59:41 - []: test message 1 23:59:55 - []: test message 2 23:59:57 - []: test message 3</div><div>test message 2</div><div><div>user</div><div>Save to file</div><div>Send</div></div></div></div></div>

# COMP4981 ASSIGNMENT 03

## TESTING DOCUMENTATION

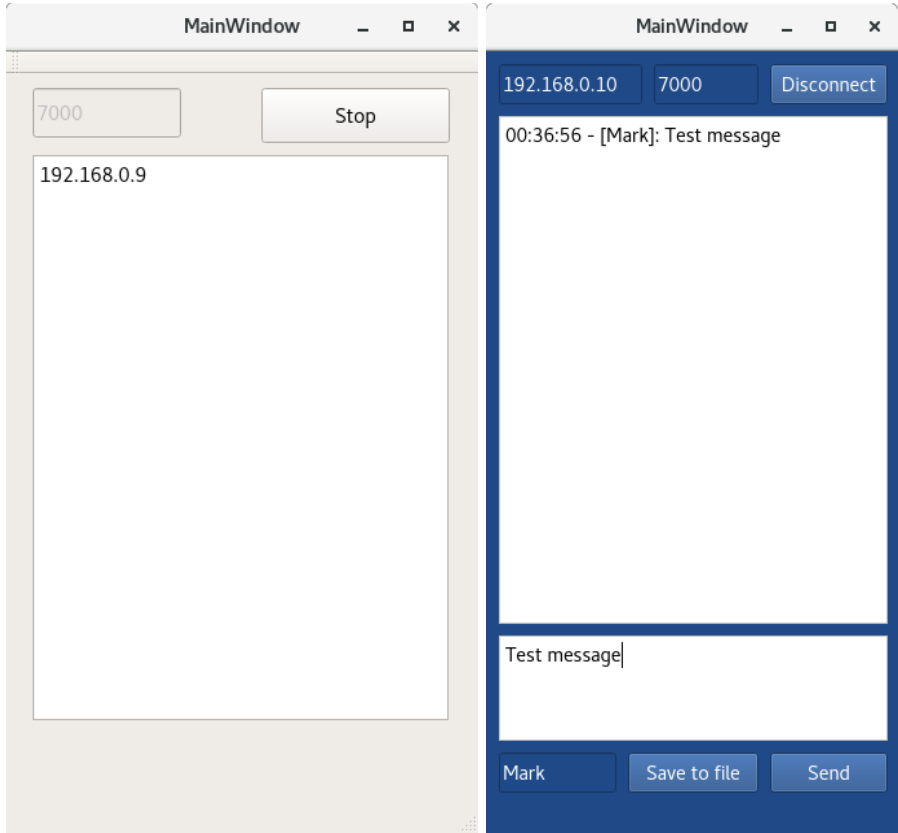
All testing performed on lab computers #08, #09 and #10 in SE12 323.

	
Success	Yes

# COMP4981 ASSIGNMENT 03

## TESTING DOCUMENTATION

All testing performed on lab computers #08, #09 and #10 in SE12 323.

Test#	9
Description	Establish a remote connection between a single client and the server.
Test Steps	<p>Server</p> <ol style="list-style-type: none"><li>1. Enter port "7000".</li><li>2. Click start.</li></ol> <p>Client</p> <ol style="list-style-type: none"><li>1. Enter host "localhost".</li><li>2. Enter port "7000"</li><li>3. Click Connect</li><li>4. Type "test message" in the input box.</li><li>5. Click Send</li></ol>
Expected Result	Server will display {ip address} Client will display {timestamp} - []: test message
Actual Result	
Success	Yes

# COMP4981 ASSIGNMENT 03

## TESTING DOCUMENTATION

All testing performed on lab computers #08, #09 and #10 in SE12 323.

Test#	10
Description	Establish a remote connection between a single client and the server.
Test Steps	<p>Server</p> <ol style="list-style-type: none"><li>1. Enter port "7000".</li><li>2. Click start.</li></ol> <p>Client 1</p> <ol style="list-style-type: none"><li>1. Enter host "localhost".</li><li>2. Enter port "7000"</li><li>3. Click Connect</li></ol> <p>Client 2</p> <ol style="list-style-type: none"><li>1. Enter host "localhost".</li><li>2. Enter port "7000"</li><li>3. Click Connect</li></ol> <p>Client 3</p> <ol style="list-style-type: none"><li>1. Enter host "localhost".</li><li>2. Enter port "7000"</li><li>3. Click Connect</li></ol> <p>Client 1</p> <ol style="list-style-type: none"><li>1. Type "test message 1" in the input box.</li><li>2. Click Send</li></ol> <p>Client 2</p> <ol style="list-style-type: none"><li>1. Type "test message 2" in the input box.</li><li>2. Click Send</li></ol> <p>Client 3</p> <ol style="list-style-type: none"><li>1. Type "test message 3" in the input box.</li><li>2. Click Send</li></ol>
Expected Result	<p>Client 1:</p> <p>{timestamp} - []: test message 1</p> <p>{timestamp} - []: test message 2</p> <p>{timestamp} - []: test message 3</p> <p>Client 2:</p> <p>{timestamp} - []: test message 1</p> <p>{timestamp} - []: test message 2</p> <p>{timestamp} - []: test message 3</p> <p>Client 3:</p> <p>{timestamp} - []: test message 1</p> <p>{timestamp} - []: test message 2</p> <p>{timestamp} - []: test message 3</p> <p>Server:</p> <p>127.0.0.1</p> <p>127.0.0.1</p>

# COMP4981 ASSIGNMENT 03

## TESTING DOCUMENTATION

All testing performed on lab computers #08, #09 and #10 in SE12 323.

	127.0.0.1
Actual Result	<div><div><div>MainWindow</div><div><div>192.168.0.107000Disconnect</div><div>00:30:19 - [Deric]: test message 1 00:30:21 - [Mark]: test message 2 00:30:26 - [Sam]: Test message 3</div><div>test message 1</div><div>DericSave to fileSend</div></div></div><div><div>MainWindow</div><div><div>7000Stop</div><div>192.168.0.10 192.168.0.9 192.168.0.8</div></div></div></div>

# COMP4981 ASSIGNMENT 03

## TESTING DOCUMENTATION

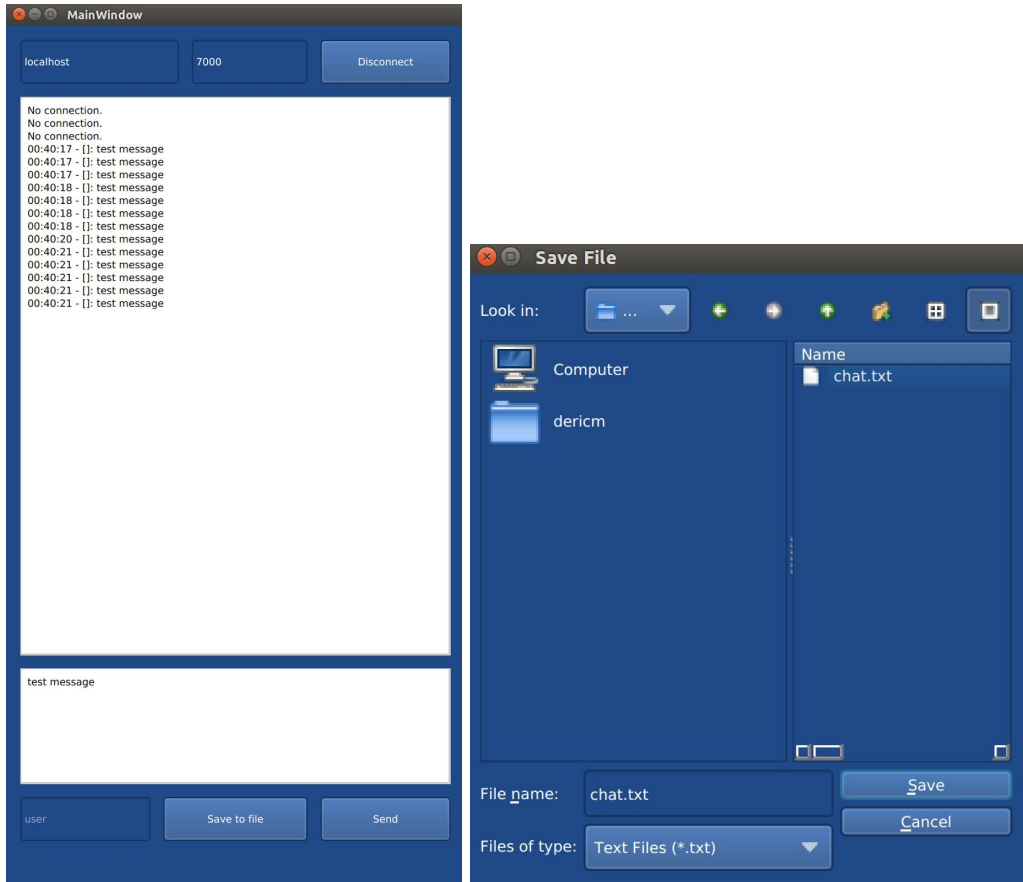
All testing performed on lab computers #08, #09 and #10 in SE12 323.

	<div><div><div>MainWindow</div><div>192.168.0.107000Disconnect</div><div>00:30:19 - [Deric]: test message 1 00:30:21 - [Mark]: test message 2 00:30:26 - [Sam]: Test message 3</div><div>test message 2</div><div>MarkSave to fileSend</div></div><div><div>MainWindow</div><div>192.168.0.107000Disconnect</div><div>00:30:19 - [Deric]: test message 1 00:30:21 - [Mark]: test message 2 00:30:26 - [Sam]: Test message 3</div><div>Test message 3</div><div>SamSave to fileSend</div></div></div>
Success	Yes

# COMP4981 ASSIGNMENT 03

## TESTING DOCUMENTATION

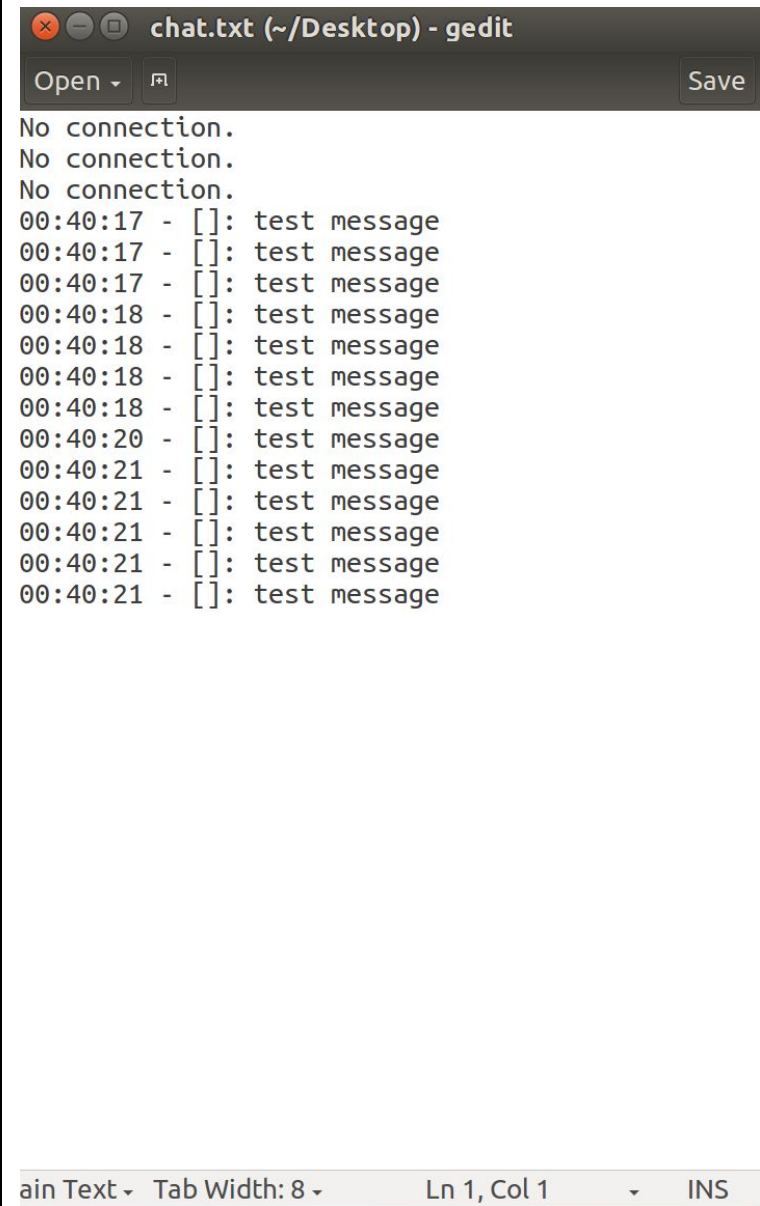
All testing performed on lab computers #08, #09 and #10 in SE12 323.

Test#	11
Description	Establish a remote connection between multiple clients and a server.
Test Steps	<p>Server</p> <ol style="list-style-type: none"><li>1. Enter port "7000".</li><li>2. Click start.</li></ol> <p>Client</p> <ol style="list-style-type: none"><li>1. Enter host "localhost".</li><li>2. Enter port "7000"</li><li>3. Click Connect</li><li>4. Type "test message" in the input box.</li><li>5. Click Send</li><li>6. Click Save to File</li><li>7. Select save destination</li><li>8. Click Save</li></ol>
Expected Result	Client will save file to destination containing chat log.
Actual Result	 <p>The screenshot displays two windows from a Java Swing application. The 'MainWindow' window on the left has a title bar with standard OS controls. It features three input fields at the top: 'localhost', '7000', and a 'Disconnect' button. Below these is a large text area containing a log of messages, including 'No connection.' and several 'test message' entries with timestamps. At the bottom of the window is an input field with 'test message' and three buttons: 'user', 'Save to file', and 'Send'. The 'Save File' window on the right is a standard file dialog. It shows the 'Look in:' section with 'Computer' and 'dericm' as options. The 'Name' field contains 'chat.txt'. At the bottom, the 'File name:' field is set to 'chat.txt', the 'Files of type:' dropdown is set to 'Text Files (*.txt)', and there are 'Save' and 'Cancel' buttons.</p>

# COMP4981 ASSIGNMENT 03

## TESTING DOCUMENTATION

All testing performed on lab computers #08, #09 and #10 in SE12 323.

	 <pre>chat.txt (~/Desktop) - gedit Open Save No connection. No connection. No connection. 00:40:17 - []: test message 00:40:17 - []: test message 00:40:17 - []: test message 00:40:18 - []: test message 00:40:18 - []: test message 00:40:18 - []: test message 00:40:18 - []: test message 00:40:20 - []: test message 00:40:21 - []: test message 00:40:21 - []: test message 00:40:21 - []: test message 00:40:21 - []: test message 00:40:21 - []: test message ain Text Tab Width: 8 Ln 1, Col 1 INS</pre>
Success	Yes