

# Test Report

## [2IS70] App Development

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# Yoke

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# Introduction

Yoke is an application that provides a way to control your computer applications and programs remotely under a paired connection. It is aimed to support a number of target groups with different interests and we wanted to offer an environment that comprehends each of their demands for computer programs.

In this document we summarise the second session of the acceptance test of the project.

## Test cases

Test cases consist of four parts: precondition, how to test, expected results and actual results.

Precondition describes what criterion should be met before assessing the test case.

Next, the "How to test" part instructs a way to test the requirements.

The expected results shows what the result should be from following the instructions in "How to test".

The actual results describe what is actually seen after following the steps of "How to test".

This way, it is easy to compare the expected results against the actual results, to better assess the test cases.

**TC 00 - UR00 (Must have)**

## **Install the application and run it**

### **Precondition**

The phone has not downloaded the application yet.

### **How to test**

Open the Yoke android project on android studio on your computer.

Connect your phone to the computer using an usb cable.

Run the project using your phone (e.g. OnePlus ONE A2003) as the "deployment target".

### **Expected results**

It successfully installs and runs without any error.

### **Actual results**

Test passed.

## **TC 01 - UR00A, UR03 (Must have)**

### **Install the desktop application and run it**

#### **Precondition**

The application is not yet downloaded on the computer.

#### **How to test**

Download or otherwise obtain the 'Yoke Receiver.jar' file.

Run the jar by double clicking it. (in our case it is in the file directory C:\Users\20169311\Documents\GitHub\Yoke ).

#### **Expected results**

It successfully installs and runs without any error.

#### **Actual results**

Test passed.

## **TC 02 - UR03B1 (Must have)**

### **The desktop application runs on Windows 10**

#### **Precondition**

The application is not downloaded on a computer that runs on Windows 10.

#### **How to test**

Perform TC01 on a computer that runs on Windows 10.

#### **Expected results**

The desktop application (receiver program) successfully installs and runs on Windows 10.

#### **Actual results**

Test passed.

## TC 03 - UR03A1 (Must have)

# When requested, the application connects to the receiver desktop application, over bluetooth

### Precondition

Bluetooth is turned on for both phone and computer and the two devices are paired.

**Note:** We were not sure if we could assume that the phone and the computer were already paired, so just in case we added the steps to pair the phone to the computer.

(To pair the devices go to the bluetooth settings on your computer by clicking on the magnifying glass in the bottom right corner of your screen and search for "bluetooth". Enable bluetooth on your computer by clicking on the toggle button and enable bluetooth on your phone by swiping from the top downwards and tapping on the bluetooth icon. After that click on the "Add bluetooth or other device" button on your computer. Click on the option "bluetooth". Click on "OnePlus2". Click on connect on your computer and click on the message on your phone, and click on connect on your phone.)

### How to test

Launch the application on your phone.

The app will display a list of connectable devices over bluetooth automatically as a pop up message after the splash screen.

Choose the name "20169311".

### Expected results

A message will pop up in the bottom right corner of the computer that states "**Yoke** Panel 1 has connected".

### Actual results

Test passed.

**TC 04 - UR03C (Must have)**

## **The desktop application shall run silently in the background**

### **Precondition**

Your phone is connected to the pc (via yoke) and the application on the computer is running.

### **How to test**

Open the task manager.

Perform the upcoming test cases.

### **Expected results**

In the task manager it can be seen that the application is running.

On the computer only the yoke icon in the toolbar will be visible.

After successfully connecting your phone to the computer a pop up message will appear.

During the other test cases the computer application will have no GUI or other pop up messages unless user input is needed (for example when creating a macro).

### **Actual results**

Test passed.

## **TC 05 - UR03C2 (Must have)**

# **The desktop application shall remain closable from the desktop**

### **Precondition**

The desktop application (receiver program) is running.

### **How to test**

Open task manager.

Navigate to the yoke icon in the toolbar of your computer. (bottom right part of your screen)

If it is not present on the toolbar, it will be in the hidden icons.

In this case press the "arrow up" icon in the toolbar.

Once you see the yoke icon, right click on it. This will provide a pop-up with multiple options.

Click on the text "Exit".

### **Expected results**

The application icon is not present in the toolbar anymore.

In the task manager the application is no longer present (i.e. running).

### **Actual results**

Test passed.



**TC 06 - UR04 (Must have)**

**The application shall provide all its texts in English**

**Precondition**

**How to test**

While performing other tests, check that indeed all the text is in English.

**Expected results**

All text on the activities is in English

**Actual results**

Test passed.

**TC 07 - UR09D (Must have)**

## **The application supports the screen orientation**

### **Precondition**

### **How to test**

While performing other tests, check that you can rotate the screen.

### **Expected results**

The application does not crash and successfully displays the screens vertically and horizontally.

### **Actual results**

Test passed.

**TC 08 - UR07 (Must have)**

## **The application offers multiple profiles for different sets of buttons**

### **Precondition**

The user is on the home screen of the app. To get to the homescreen, simply open the app.

### **How to test**

The home screen shows a list of different profiles saved on the database.

Look at the icons to the right of the profile names (e.g "Streamer").

### **Expected results**

A list of profiles are visible on the home screen.

The icons for each profile are different from the icons for any other profile.

### **Actual results**

Test passed.

**TC 09 - UR12B (Must have)**

## **The application offers an activity from which the selected profile can be changed**

### **Precondition**

The user is on the home screen.

### **How to test**

Click on the "Social Media" profile.

Click on the arrow back at the top left of your screen.

Click on the "Streamer" profile.

Click on the arrow back at the top left of your screen.

### **Expected results**

First the "Social Media" profile is selected.

Next the "Streamer" profile is selected.

### **Actual results**

Test passed.

**TC 10 - UR01 (Must have)**

**The application has an activity which presents several buttons to the user**

**Precondition**

The user is on the home screen.

**How to test**

Click on the "Gamer" profile.

**Expected results**

The profile will open and will show multiple buttons.

**Actual results**

Test passed.

## **TC 11 - UR01A (Must have)**

### **The buttons in the application show icons**

#### **Precondition**

The user is on the "Gamer" profile screen.

#### **How to test**

Look at the buttons in the profile.

#### **Expected results**

Buttons have their own icon (or image) to represent them.

#### **Actual results**

Test passed.

**TC 12 - UR06 (Must have)**

## **The application offers several different actions to be activated by button presses**

### **Precondition**

The user is on the "Gamer" profile screen.

### **How to test**

Click on the button with the "steam" icon. (the top left icon)

Click on the button with the "GOG" icon. (the bottom right icon)

### **Expected results**

The steam application will open on the computer.

The GOG site will open on the computer.

**Note:** The different actions are for example opening an application and opening a site.

### **Actual results**

Test passed.

**TC 13 - UR02 (Must have)**

**When a button is pressed, the system will initiate the corresponding action within a second**

**Precondition**

The user is on the "Gamer" profile screen.

**How to test**

Prepare a timer.

Start the timer, and immediately click on the button with the "GOG" icon.

Stop the timer when the GOG site opens.

**Expected results**

The time on the timer will be below 1 second.

**Actual results**

Test passed.



**TC 14 - UR07A3 (Must have)**

## **The application offers a profile with buttons to launch various computer programs**

### **Precondition**

The user is on the "Gamer" profile screen.

### **How to test**

Click on the "steam" icon. (the top left icon)

Click on the "origin" icon. (the middle left icon)

Click on the arrow back at the top left of the screen.

### **Expected results**

The profile shows multiple buttons.

After pressing the button with the steam icon, the steam program opens on your computer.

After pressing the button with the origin icon, the origin program opens on your computer.

### **Actual results**

Test passed.

## **TC 15 - UR07A1 (Must have)**

# **The application offers a profile for streamers**

### **Precondition**

The user is on the home screen of the application.

### **How to test**

Click on the "Streamer" profile.

Click on the arrow back at the top left of the screen.

### **Expected results**

On the home screen there is a "Streamer" profile.

When the profile is clicked, it is opened.

### **Actual results**

Test passed.

**TC 16 - UR07A2 (Must have)**

## **The application offers a profile with audio controls and other utility computer functions**

### **Precondition**

The user is on the home screen of the application.

### **How to test**

Click on the "Media Controls" profile.

Click on the arrow back at the top left of your screen.

### **Expected results**

On the home screen there is a "Media Controls" profile.

When the profile is clicked, it is opened.

**Note:** the functionality of these buttons is tested in a later test case.

### **Actual results**

Test passed.

## TC 17 - UR06A1 (Must have)

**The application offers actions to launch various programs and visit websites including: Twitter, Youtube, Facebook, Spotify, Reddit, Gmail, Canvas, Twitch, Steam, Origin, Uplay, GOG, Battlenet, Discord, Whatsapp, OBS, Windows explorer, Windows Outlook**

### Precondition

The user is on the home screen.

### How to test

Click on the "Social Media" profile.

Click on the button with the "facebook" icon. (the top left icon)

Click on the button with the "reddit" icon. (the top right icon)

Click on the button with the "gmail" icon. (the middle left icon)

Click on the button with the "twitter" icon. (the middle right icon)

Click on the button with the "whatsapp" icon. (the bottom left icon)

Click on the button with the "Windows Outlook" icon. (the bottom right icon)

Click on the arrow back at the top left of your screen.

Click on the "Streamer" profile.

Click on the button with the "OBS" icon. (the top left icon)

Click on the button with the "twitch" icon. (the top right icon)

Click on the button with the "youtube" icon. (the middle left icon)

Click on the arrow back at the top left of your screen.

Click on the "Gamer" profile.

Click on the button with the "steam" icon. (the top left icon)

Click on the button with the "discord" icon. (the top right icon)

Click on the button with the "origin" icon. (the middle left icon)

Click on the button with the "Uplay" icon. (the middle right icon)

Click on the button with the "battlenet" icon. (the bottom left icon)

Click on the button with the "GOG" icon. (the bottom right icon)

Click on the arrow back at the top left of your screen.

Click on the "TU/e" profile.

Click on the button with the "canvas" icon. (the top left icon)

Click on the arrow back at the top left of your screen.

Click on the "Test Profile" profile.

Click on the button with the "file folder" icon. (the top left icon)

Click on the button with the "spotify" icon. (the top right icon)

Click on the arrow back at the top left of your screen.

### Expected results

The site for "facebook" will open on your computer.  
The site for "reddit" will open on your computer.  
The site for "gmail" will open on your computer.  
The site for "twitter" will open on your computer.  
The site for "whatsapp" will open on your computer.  
The site for "Windows Outlook" will open on your computer.

The site for "OBS" will open on your computer.  
The site for "twitch" will open on your computer.  
The site for "youtube" will open on your computer.

The program for "steam" will open on your computer.  
The site for "discord" will open on your computer.  
The program for "origin" will open on your computer.  
The program for "Uplay" will open on your computer.  
The program for "battlenet" will open on your computer.  
The site for "GOG" will open on your computer.

The site for "canvas" will open on your computer.

The "file explorer" will open on your computer.  
The site for "spotify" will open on your computer.

### Actual results

Test passed.

## **TC 18 - UR06A2 (Must have)**

### **The application offers actions to control computer media; previous track, next track, play/pause, volume up, volume down**

#### **Precondition**

The user is on the home screen.

The Spotify program is open on your computer and a song is playing.

#### **How to test**

Click on the "Media Controls" profile.

Click on the button with the "volume down" icon. (the top left icon)

Click on the button with the "volume up" icon. (the top right icon)

Click on the button with the "previous track" icon. (the middle left icon)

Click on the button with the "next track" icon. (the middle right icon)

Click on the button with the "play" icon. (the bottom left icon)

Click on the button with the "play" icon again.

Click on the arrow back at the top left of your screen.

If you wish you may also close or at least pause spotify.

#### **Expected results**

The volume of your computer will go down.

The volume of your computer will go up.

The previous track will be selected in spotify.

The next track will be selected in spotify.

The current track will pause.

The current track will start playing.

#### **Actual results**

Test passed.

**TC 19 - UR06A4 (Should have)**

**The application offers actions that act as multiple button presses Including: Ctrl+c, Ctrl+v, Alt+left, Alt+right, Ctrl+t, Ctrl+Shift+t, Ctrl+w**

### **Precondition**

The user is on the home screen.

### **How to test**

Click on the "Keyboard Profile" profile.

Click on the button with the "CTRL + T" icon. (the middle left icon)

Type "test" in the search bar of the new tab on your computer.

Press enter on your computer.

Click on the button with the "ALT + LEFT" icon. (the top left icon)

Click with your mouse outside of the searchbars. (so that no of the search bars is active)

Click on the button with the "ALT + RIGHT" icon. (the top right icon)

Click on the button with the "CTRL + W" icon. (the bottom left icon)

Click on the button with the "CTRL + SHIFT + T" icon. (the middle right icon)

Click on the arrow back at the top left of your screen. (on your phone)

Click on the "Test Profile" profile.

Select the text "test" that is in the search bar of google on your computer screen.

Click on the button with the "CTRL + C" icon. (the bottom left icon)

Click directly to the right of the text "test", so that the text "test" is no longer selected.

Click on the button with the "CTRL + V" icon. (the bottom right icon)

Click on the arrow back at the top left of your screen. (on your phone)

### **Expected results**

A new tab for google chrome will open on your computer.

The search results for "test" will be shown on your computer.

The tab will go back to the state before we made you search "test".

The tab will go back to the state after you searched "test", once again showing the results.

The tab will close.

The tab will open again, in the state after you searched for "test".

After clicking on the button with the "CTRL + C" icon, the text "test" will be saved to the clipboard. (as will be shown with the next button press)

The text "test" will be pasted next to the original text "test". So now the text in the search bar will state "testtest".

### **Actual results**

Test passed.

**TC 20 - UR11A (Should have)**

**The application offers a button type that when pressed goes to the touchpad activity**

**Precondition**

The user is on the home screen.

**How to test**

Click on the profile "Computer command".

Click on the button with the "mouse" icon. (the bottom left icon)

**Expected results**

A white screen will open which will act as a touchpad. (the functionality of this will be tested in the next test case).

**Actual results**

Test passed.



**TC 21 - UR11A1 (Should have)**

## **The application offers a touchpad activity to control the mouse**

### **Precondition**

The user is on the touchpad screen.

### **How to test**

On the white space screen, swipe along it.

Move the mouse to the small "x" at the right of the right most tab (the tab where you searched for "test")

Tap on the white space screen.

Click on the arrow back at the top left of your screen. (to go back to the "Computer commands" profile)

Click on the arrow back at the top left of your screen. (to go back to the home screen)

### **Expected results**

The mouse cursor of the computer moves in the same way that the user moved his/her finger over the screen.

When the white space screen is tapped, it will act as an left mouse click on the computer and close the tab.

### **Actual results**

Test passed.

**TC 22 - UR12C (Must have)**

## **The application offers an activity from which the profiles can be customised**

### **Precondition**

The user is on the home screen.

### **How to test**

Click on the "Social Media" profile.

Click on the "pencil" icon at the top right of the screen.

### **Expected results**

The app will go to a screen where the name can be changed, buttons can be deleted/added and an associated program can be entered.

**Note:** all these functionalities will be tested later on.

### **Actual results**

Test passed.

**TC 23 - UR07B1 (Should have)**

## **The application offers a way to arrange the buttons in the profile**

### **Precondition**

The user is on profile edit screen for the "Social Media" profile.

### **How to test**

Drag the button with the WhatsApp icon (the bottom left icon) to the top right position.

Click on the "check mark" icon at the top right of the screen.

Click on the arrow back at the top left of your screen.

### **Expected results**

The order of the buttons in the "Social Media" profile will have changed.

Previously from top left to bottom right:

Facebook, Reddit, Gmail, Twitter, Whatsapp, Microsoft Outlook.

Now from top left to bottom right:

Facebook, Whatsapp, Reddit, Gmail, Twitter, Microsoft Outlook.

### **Actual results**

Test passed.

**TC 24 - UR07B (Must have)**

## **The application offers a way of creating custom profiles by combining buttons**

### **Precondition**

The user is on the home screen.

### **How to test**

Click on the round button with the "plus" icon at the bottom right of your screen.

Click on the "plus" icon at the top middle of your screen.

Click on the text "BattleNet".

Click on the "plus" icon at the top middle of your screen.

Click on the text "Canvas".

Click on the "check mark" icon at the top right of your screen.

Click on the "Some Cool Profile" profile.

Look at the buttons.

Click on the arrow back at the top left of your screen.

### **Expected results**

First a new empty profile will be created.

Then the buttons with the icons for "Battlenet" and "Canvas" will be added.

On the home screen the new profile is now visible with the name "Some Cool Profile".

When you open the profile, it contains the buttons that you added.

### **Actual results**

Test passed.

## TC 25 - UR08B (Must have)

# The system provides an in-application interface that allows for the creation of custom profiles and/or actions

### Precondition

The user is on the home screen.

### How to test

The creation of custom profiles has been shown in TC26.

For the interface that allows the creation of custom actions:

Click on the "Some Cool Profile" profile.

Click on the "pencil" icon at the top right of your screen.

Click on the "plus" icon at the top middle of your screen.

Click on the round button with the "plus" icon at the bottom right of your screen.

Click on the text "Sequence".

Click on the round button with the "plus" icon at the bottom right of your screen.

Click outside of the pop-up.

Click on the arrow back at the top left of your screen. (to go back to the edit profile screen)

Click on the arrow back at the top left of your screen. (to go back to the profile screen)

Click on the arrow back at the top left of your screen. (to go back to the home screen)

### Expected results

The app will show an activity where the foreground, background and description can be altered. After pressing the round button with the "plus" icon, a pop-up will appear where you can choose your action type. This together will create a new macro with a new action.

**Note:** the functionality for creating a new action will be tested later on.

### Actual results

Test passed.

**TC 26 - UR07C (Must have)**

## **Profiles can contain a list of customisable associated desktop applications**

### **Precondition**

The user is on the home screen.

### **How to test**

Click on the "Some Cool Profile" profile.

Click on the "pencil" icon at the top right of your screen.

Click on the text edit area with the placeholder text "Associated programs (csv)".

Type "Chrome".

Click on the "Check mark" icon at the top right of your screen.

Click on the arrow back at the top left of your screen.

### **Expected results**

The user can perform these steps without any errors.

### **Actual results**

Test passed.

**TC 27 - UR07C1 (Must have)**

**If a desktop program that is associated with a profile gets focused, the application opens the profile with which the program is associated**

**Precondition**

The user is on the home screen.

All programs and sites opened by the app in the previous test cases are closed.

**How to test**

Click on the "Gamer" profile.

Open google chrome browser on your computer.

Click on the arrow back at the top left of your screen.

**Expected results**

When the chrome browser is opened on your computer, the app will automatically open the "Some Cool Profile" profile.

**Actual results**

Test passed.

## TC 28 - UR06B (Must have)

# The application offers a way of creating custom desktop actions and corresponding buttons

### Precondition

The user is on the home screen.

### How to test

Click on the "Some Cool Profile" profile.

Click on the "pencil" icon at the top right of your screen.

Click on the "plus" icon at the top middle of your screen.

Click on the round button with the "plus" icon at the bottom right of your screen.

Click on the "color palette" icon below the text "Foreground".

Click on a color red.

Click on the text "ok".

Click on the text "sequence".

Click on the round button with the "plus" icon at the bottom right of your screen.

Click on the text "Site".

Click on the text edit area.

Type "[www.google.nl](http://www.google.nl)".

Click on the text "ok".

Click on the "check mark" icon at the top right of your screen.

Click on the "check mark" icon at the top right of your screen.

Click on the button with the "red square" icon.

Click on the arrow back at the top right of your screen.

### Expected results

The "Some Cool Profile" profile will now contain a button with a red square as icon.

When the button is pressed, the site for "google" will open on your computer.

The preview of the "Some Cool Profile" profile on the home screen, now contains a preview for the red square icon.

### Actual results

Test passed.



TC 29 - UR08B1 (Must have)

## The application provides a way for the user to select a program on the computer for a macro

### Precondition

The user is on the home screen.

### How to test

Click on the "Some Cool Profile" profile.

Click on the "pencil" icon at the top right of your screen.

Click on the "plus" icon at the top middle of your screen.

Click on the round button with the "plus" icon at the bottom right of your screen.

Click on the text "Sequence".

Click on the round button with the "plus" icon at the bottom right of your screen.

Click on the text "Program".

Click on the "x" at the top right of the prompt that has shown up.

**Note:** It can be the case that the prompt is hidden. You can let it appear by pressing the icon that looks like a cup of coffee on your taskbar.

### Expected results

A file explorer will open up on your computer, where you can select a .exe file.

### Actual results

Test passed.

## **TC 30 - UR08B2 (Must have)**

# **The application provides a way for the user to input a key combination on the computer for a macro**

### **Precondition**

The user is on the macro edit activity on the "Sequence" tab.

### **How to test**

Click on the round button with the "plus" icon at the bottom right of your screen.

Click on the text "Keyboard", a prompt will show up on your computer.

Press the keys "ctrl" and "a".

Click on cancel on the prompt.

Click on the arrow back at the top left of your screen. (to go back to the edit profile screen)

Click on the arrow back at the top left of your screen. (to go back to the profile screen)

Click on the arrow back at the top left of your screen. (to go back to the home screen)

### **Expected results**

On your computer a prompt will show up with the text "Please select a key combination", and with two buttons "ok" and "cancel".

When you press the keys "ctrl" and "a", on the prompt the text "Ctrl + A" will appear.

### **Actual results**

Test passed.

**TC 31 - UR12A (Must have)**

**The application offers an activity from which the theme and language can be changed**

**Precondition**

The user is on the home screen.

**How to test**

Click on the button with the "settings" icon at the top right of your screen.

**Expected results**

The settings activity is open.

"Language" and "Colour" functions are visible.

Note: the functionality of "Language" and "Colour" will be tested later on.

**Actual results**

Test passed.

## TC 32 - UR04A (Must have)

# The application provides a setting that, if changed, provides all texts in Dutch

### Precondition

The user is on the settings screen.

### How to test

Click on the text "Language".

Click on the text "Dutch".

Click on the arrow back at the top left of your screen.

Click on the "Some Cool Profile" profile.

Click on the button with the "pencil" icon at the top right of your screen.

Click on the button with the "red square" icon. (the top right icon)

Click on the button with the "pencil" icon at the top right of your screen. (you have now reached the macro edit screen)

Click on the text "Sequence".

Click on the arrow back at the top left of your screen. (to go back to the edit profile screen)

Click on the arrow back at the top left of your screen. (to go back to the profile screen)

Click on the arrow back at the top left of your screen. (to go back to the home screen)

Click on the button with the "settings" icon at the top right of your screen.

**Note:** The names of the activities will always remain the same, since users can alter the name and we don't expect them to translate the name three times.

### Expected results

All text on the settings screen is in Dutch.

All text on the macro edit screen is in Dutch (except for the tab names, "Appearance" and "Sequence")

### Actual results

Test passed.

## TC 33 - UR04B (Should have)

# The application provides a setting that, if changed, provides all texts in Bulgarian

### Precondition

The user is on the settings screen.

### How to test

Click on the text "Taal".

Click on the text "Bulgaars".

Click on the arrow back at the top left of your screen.

Click on the "Some Cool Profile" profile.

Click on the button with the "pencil" icon at the top right of your screen.

Click on the button with the "red square" icon. (the top right icon)

Click on the button with the "pencil" icon at the top right of your screen. (you have now reached the macro edit screen)

Click on the text "Sequence".

Click on the arrow back at the top left of your screen. (to go back to the edit profile screen)

Click on the arrow back at the top left of your screen. (to go back to the profile screen)

Click on the arrow back at the top left of your screen. (to go back to the home screen)

Click on the button with the "settings" icon at the top right of your screen.

Click on the text "Език".

Click on the text "Английски".

**Note:** We have not yet made all text translatable.

**Note 2:** The names of the activities will always remain the same, since users can alter the name and we don't expect them to translate the name three times.

### Expected results

All text on the settings screen is in Bulgarian.

All text on the macro edit screen is in Bulgarian (except for the tab names, "Appearance" and "Sequence")

### Actual results

Test passed.

## **TC 34 - UR05 (Must have)**

# **The application provides multiple colour schemes to choose from**

### **Precondition**

The user is on the settings screen.

### **How to test**

Click on the text "Colour".

Click on a colour blue.

Click on the text "ok".

Click on the text "Colour".

Click on a colour green.

Click on the text "ok".

Click on the arrow back at the top left of your screen.

### **Expected results**

The top bar first changes its colour to blue.

Next the top bar changes its colour to green.

### **Actual results**

Test passed.

**TC 35 - UR09B (Must have)**

**The application can be disconnected from the receiver program by shaking the phone**

**Precondition**

The application is running and both devices are connected via bluetooth.

**How to test**

Shake the phone three times to disconnect.

**Expected results**

On your computer a message will appear stating "panel 1 is disconnected".

On your phone a pop-up will appear stating "Your phone is disconnected".

**Actual results**

Test passed.

**TC 36 - UR09C (Could have)**

## **The receiver program automatically starts whenever the computer is started**

### **Precondition**

The program is installed on the computer.

### **How to test**

Restart the computer.

Log in.

Open the task manager to check if the receiver program is running.

### **Expected results**

In the task manager, you can see that the application is running.

### **Actual results**

Test passed.



**TC 37 - UR09C1 (Could have)**

## **The automatic startup of the desktop application should be disableable**

### **Precondition**

The desktop application is installed and running. (by double clicking the Receiver.jar file)

### **How to test**

Navigate to the yoke icon in the toolbar of your computer. (bottom right part of your screen)

If it is not present on the toolbar, it will be in the hidden icons.

In this case press the "arrow up" icon in the toolbar.

Once you see the yoke icon, right click on it. This will provide a pop-up with multiple options.

If there is a check mark next to the left side of the text "Auto Startup", press on the text "Auto Startup" so the check mark will disappear.

Restart the computer.

Log in.

Open task manager.

### **Expected results**

The application will not be present in the task manager.

### **Actual results**

Test failed.

## TC 38 - UR06A3 (Must have)

# The application offers actions to control the computer; Shut down, sleep, restart, log out.

### Precondition

Since we just disconnected the phone from the computer and the automatic start-up was disabled, we have to start the receiver program again. Start the application by double clicking the jar file. (it is in the file directory C:\Users\20169311\Documents\GitHub\Yoke)

Close the app on the phone, and open the app again (this will automatically connect the phone to the computer again).

The user is on the home screen.

It is also more convenient if automatic start-up is enabled again. So:

Navigate to the yoke icon in the toolbar of your computer. (bottom right part of your screen)

If it is not present on the toolbar, it will be in the hidden icons.

In this case press the "arrow up" icon in the toolbar.

Once you see the yoke icon, right click on it. This will provide a pop-up with multiple Options.

Click on the text "Auto Startup" so the check mark will appear.

### How to test

Close the app by pressing on the rightside of the home button, and then pressing the small "x" on the tab.

Open the app. (this is needed after restarting the computer)

Click on the "Computer command" profile.

Click on the button with the "log out" icon. (the top right icon)

Close the app by pressing on the rightside of the home button, and then pressing the small "x" on the tab.

Log back in.

Open the app.

Click on the button with the "sleep" icon. (the middle left icon)

Close the app by pressing on the rightside of the home button, and then pressing the small "x" on the tab.

Awaken your computer and log back in.

Open the app.

Click on the button with the "restart" icon. (the middle right icon)

Close the app by pressing on the rightside of the home button, and then pressing the small "x" on the tab.

Log back in.

Open the app.

Click on the button with the "shut down icon. (the top left icon)

Close the app by pressing on the rightside of the home button, and then pressing the small "x" on the tab.

### Expected results

The computer will log out.

The computer will go to sleep mode.

The computer will restart.

The computer will shut down.

### Actual results

Test passed.

## Tracing

In the tracing table below, you can once again find which requirements belong to which test case. In the first table you can find all must have requirements, which should all pass, to pass the actual acceptance test. In the second table, you can find all requirements that are not a must have but have been implemented by the group. This table is named the bonus table as its purpose is to score bonus points (as mentioned in the rubric).

Also in both tables, you can find room to fill in whether the corresponding test case has passed or failed. There is also space for extra comments if necessary. Every requirement is divided in sub groups. This to make things clearer for the tester.

Requirement ID	Test ID	Priority	Pass/ Fail	Comments
<b>Installation</b>				
<i>UR00</i>	<b>TC 00</b>	<b>M</b>	<b>Pass</b>	
<i>UR00A</i>	<b>TC 01</b>	<b>M</b>	<b>Pass</b>	
<b>Connection</b>				
<i>UR03</i>	<b>TC 01</b>	<b>M</b>	<b>Pass</b>	
<i>UR03A1</i>	<b>TC 03</b>	<b>M</b>	<b>Pass</b>	

UR03B1	TC 02	M	Pass	
UR03C	TC 04	M	Pass	
UR03C2	TC 05	M	Pass	
<b>Profiles</b>				
UR07	TC 08	M	Pass	
UR07A1	TC 15	M	Pass	
UR07A2	TC 16	M	Pass	
UR07A3	TC 14	M	Pass	
<b>Buttons</b>				
UR01	TC 10	M	Pass	
UR01A	TC 11	M	Pass	
<b>Actions</b>				
UR02	TC 13	M	Pass	
UR06	TC 12	M	Pass	
UR06A1	TC 17	M	Pass	
UR06A2	TC 18	M	Pass	
UR06A3	TC 38	M	Pass	
<b>Menu</b>				
UR12B	TC 09	M	Pass	
UR12C	TC 22	M	Pass	
<b>Profiles</b>				
UR07B	TC 24	M	Pass	

UR07C	TC 26	M	Pass	
UR07C1	TC 27	M	Pass	
Actions				
UR06B	TC 28	M	Pass	
Desktop program				
UR08B	TC 25	M	Pass	
UR08B1	TC 29	M	Pass	
UR08B2	TC 30	M	Pass	
Menu				
UR12A	TC 31	M	Pass	
Non-functional Language				
UR04	TC 06	M	Pass	
UR04A	TC 32	M	Pass	
Color				
UR05	TC 34	M	Pass	
Hardware				
UR09B	TC 35	M	Pass	
UR09D	TC 07	M	Pass	

## Bonus Table

Requirement ID	Test ID	Priority	Pass/ Fail	Comments
UR04B	TC 33	S	Pass	

UR06A4	TC 19	S	Pass	
UR07B1	TC 23	S	Pass	
UR11A	TC 20	S	Pass	
UR11A1	TC 21	S	Pass	
UR09C	TC 36	C	Pass	
UR09C1	TC 37	C	Fail	