DAT 255

**TensionCameraApp: Acceptance Tests**

**Document description:** Describing the acceptance test for TensionCamApp. They are all design from a customer perspective to insure maximum user friendliness and experience. The tests relate to which tasks the application should support and the expected output from these. As a consequence the tests don’t necessarily represent a specific user stories that were used in the development but rather stories in the same sequence that they appear in the application.

## View Key

|  |  |
| --- | --- |
| **Appellation in document** | **Description** |
| Starting view | First view when starting the application |
| Camera View | The second view after starting application. The view consists of a live feed screen and two buttons. |
| Picture preview - view | View that display the user’s capture, consists of two buttons. |
| Result view | Final view where the result of the analyze is displayed. Consists of message and a button. |
| Back button | In built button by which the user can navigate backwards in the application. Illustrated by a bended arrow on the device |
| “Take picture”- button | Red button with the text “Take a picture” and an icon of a camera in Picture preview-view and Result view |
| “Analyze”-button | Green button with the text “Analyze” in Picture preview-view |
| “Flash”-button | Transparent button with the text “Flash” in camera view |
| Camera icon | Button with an icon of an camera in Camera view |

### Starting the application

**Test ID:** TC01

**Test Case description:** Starting up the application

**Precondition:** Installed the application on a device

*Version 1*

1. Press the icon of the application

*Expected result*

The user should be presented a view with the TensionCamera-logo and a loading bar which and after a few seconds redirects the client to the camera mode.

### Taking a picture

**Test ID:** TC02

**Test Case description:** Take a picture using the ‘camera button’

**Precondition:** Installed the application on a device

*Version 1*

1. Start the application
2. Wait until redirected to camera mode
3. Press the camera icon

*Expected result*

The user should be redirected to a preview of the recently taken picture

### Turning on the flash

**Test ID:** TC03

**Test Case description:** Turning on the flash by pressing the ‘flash button’

**Precondition:** Installed the application on a device

*Version 1*

1. Start the application
2. Wait until redirected to camera mode
3. Press the flash button

*Expected result*

The user should see the light on the backside of the device turns on

### Turning off the flash

**Test ID:** TC03

**Test Case description:** Turning off the flash by pressing the ‘flash button’ twice

**Precondition:** Installed the application on a device

*Version 1*

1. Start the application
2. Wait until redirected to camera mode
3. Press the flash button
4. Press the same button once again

*Expected result*

The user should see that the light on the backside of the device now turns off.

### Take a new picture

**Test ID:** TC04

**Test Case description:** Take a new picture when a picture is recently taken

**Precondition:** Installed the application on

*Version 1*

1. Press camera icon in camera preview
2. Wait until redirected to a picture preview-view
3. Press take a picture -button

*Expected result*

The user should be redirected back to camera mode.

### Analyzing a picture

**Test ID:** TC05

**Test Case description:** Analyze a recently taken picture and test the web server

**Precondition:** Installed the application on a device and connection to web server. Device need to be connected to a computer which works as a hot spot

*Version 1*

1. Press the camera icon in camera preview
2. Wait until redirected to picture preview-view
3. Press analyze button

*Expected result*

The user should be redirected to a view where the result is displayed. On the computer….

### Take a new picture when a result has been received

**Test ID:** TC06

**Test Case description:** Take a new picture by pressing the icon once the result is being displayed

**Precondition:** Installed the application on a device and connection to web server.

*Version 1*

1. Press the camera icon in camera preview
2. Wait until redirected to picture preview-view
3. Press analyze button
4. Wait until redirected to result view
5. Press take a picture-button

*Expected result*

The user should be redirected back to camera mode.

### Back Button

**Test ID:** TC07

**Test Case description:** Press the back button in each view

**Precondition:** Installed the application on a device and connection to web server.

*Version 1*

1. Start the application
2. Press back button when the starting view is visible

*Expected result*

The application will close, no message

*Version 2*

1. Press back button when the camera view opens

*Expected result*

The application will close, no message

*Version 3*

1. Press back button when the picture preview - view opens

*Expected result*

User will return to camera view

*Version 4*

1. Press back button when the result view opens

*Expected result*

User will return to picture preview-view, no progress bar will be visible

**Test ID:** TC08

**Test Case description:** Press all the buttons in the application

**Precondition:** Installed the application on a device

*Version 1*

1. Press camera icon

*Expected result*

Background colour changes.

*Version 2*

1. Press flash button

*Expected result*

Background colour changes.

*Version 3*

1. Press take a picture-button

*Expected result*

Background colour changes.

*Version 1*

1. Press analyze

*Expected result*

Background colour changes.