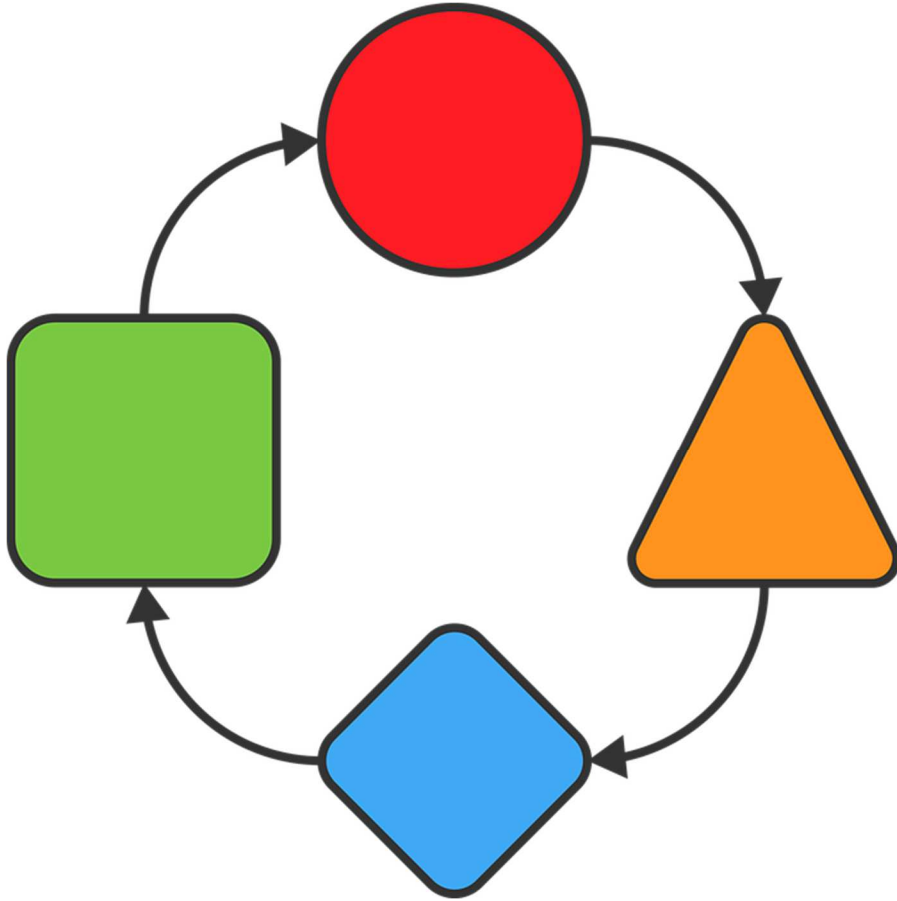
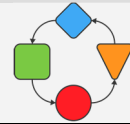


# TEST CASES DOCUMENT



**WQC**



## Version History

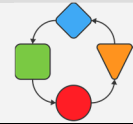
| Data     | Versão | Descrição       | Autor           | Revisor |
|----------|--------|-----------------|-----------------|---------|
| 25/10/19 | 1.0    | Initial version | Richard Cardoso | -       |

**Client** Weger Walter GmbH  
**Document** Requirements Document: *WQC*  
**Date** 25 October 2019  
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## Signatures

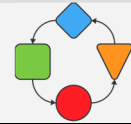
Reviewed and  
Approved by:

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## Summary

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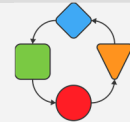
## 1. Document goal

This document describes some WQC system's test cases.

## 2. Test cases

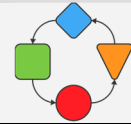
### 2.1.TC001

|                           |  |
|---------------------------|--|
| <b>ID</b>                 | TC001  |
| <b>Actors</b>             | Mobile user  |
| <b>Type</b>               | Primary, essential   |
| <b>Description</b>        | A qr-code of a device is scanned and, after loading the data, the app shows the list of existing reports   |
| <b>Pre-conditions</b>     | <ol style="list-style-type: none"><li>1. An authorized user with assigned roles already stored at the database</li><li>2. App opened at the welcome screen which must be showing:<ul style="list-style-type: none"><li>• the name of the current user</li><li>• the roles of the current user</li><li>• the device's id</li></ul></li></ol>  |
| <b>Post-conditions</b>    | Reports list screen shown  |
| <b>Associations</b>       | FR001  |
| <b>Default flow</b>       | <ol style="list-style-type: none"><li>1. At the welcome screen, the user taps the qr-scan button</li><li>2. The user points the camera to a device's qr-code</li><li>3. The app goes back to the welcome screen</li><li>4. The app translates the qr-code and starts to retrieve all related information from the server</li><li>5. The app shows the reports list screen filled with the retrieved reports list</li></ol> |
| <b>Alternative flow 1</b> | Default flow, step 2 – Back button pressed: <ol style="list-style-type: none"><li>1. With the camera opened, the user presses the system's back button</li><li>2. The app goes back to the welcome screen</li></ol>  |
| <b>Alternative flow 2</b> | Default flow, step 4 – Translation failed: <ol style="list-style-type: none"><li>1. The app fails to translate the qr-code for a given reason (incorrect / invalid / non-standard qr-code)</li><li>2. The app shows an error message with the code QR_TRANSLATION_FAILED and an 'OK' button</li><li>3. The user taps the 'OK' button and the app again shows the welcome screen</li></ol>                                  |



## 2.2. TC002

|                           |   |
|---------------------------|---|
| <b>ID</b>                 | TC002   |
| <b>Actors</b>             | Mobile user   |
| <b>Type</b>               | Primary, essential  |
| <b>Description</b>        | After scanning a qr-code, the user opens the general pictures list, captures some pictures, remove one of them to cancel it and then uploads the remaining ones.  |
| <b>Pre-conditions</b>     | <ol style="list-style-type: none"> <li>1. An authorized user with assigned roles already stored at the database</li> <li>2. App opened at the welcome screen which must be showing: <ul style="list-style-type: none"> <li>• the name of the current user</li> <li>• the roles of the current user</li> <li>• the device's id</li> </ul> </li> <li>3. A valid qr-code</li> </ol>  |
| <b>Post-conditions</b>    | General pictures list showing the new pictures after they were successfully captured and uploaded.  |
| <b>Associations</b>       | FR001, FR0010   |
| <b>Default flow</b>       | <ol style="list-style-type: none"> <li>1. At the welcome screen, the user taps the qr-scan button</li> <li>2. The user points the camera to a device's qr-code</li> <li>3. The app goes back to the welcome screen</li> <li>4. The app translates the qr-code and starts to retrieve all related information from the server</li> <li>5. The app shows the reports list screen filled with the retrieved reports list</li> <li>6. The user taps the 'general pictures list' button</li> <li>7. The app checks for outdated pictures and shows the filled pictures list screen</li> <li>8. The user taps the 'new' button</li> <li>9. The app shows up the camera preview</li> <li>10. The user taps the 'capture' button 3 times, after 'focusing' the camera at different points (before each tap at the capture button)</li> <li>11. At each tap, the app shows at the top of the screen a number that corresponds to the sum of took pictures</li> <li>12. The user taps the 'back' button</li> <li>13. The app shows a list of the captured pictures</li> <li>14. The user taps the remove button that is shown over the second picture of the list</li> <li>15. The app shows a question asking if the user wants to remove the picture</li> <li>16. The user taps the 'yes' button</li> <li>17. The app removes the picture of the list</li> <li>18. The user taps the 'upload' button</li> <li>19. The app asks the user to confirm the action</li> <li>20. The user taps the 'yes' button</li> <li>21. The app starts to upload the pictures and, for each finished one, it shows, in the list, an 'ok' check over the picture</li> <li>22. When finished uploading all pictures, the app shows a success message</li> <li>23. The user taps the 'ok' button</li> <li>24. The app goes back to the pictures list from the default flow, step 12 and shows an updated pictures list</li> </ol> |
| <b>Alternative flow 1</b> | Default flow, step 7. Back button pressed: <ol style="list-style-type: none"> <li>1. The user presses the screen's back button</li> <li>2. The app goes back to the reports list screen from default flow, step 5.</li> </ol>   |
| <b>Alternative flow 2</b> | Default flow, step 8 – Back button pressed: <ol style="list-style-type: none"> <li>1. With the camera opened and without taking any pictures, the user taps the system's back button</li> </ol>   |



2. The app goes back to the pictures list from default flow, step 7,

|                           |   |
|---------------------------|---|
| <b>Alternative flow 3</b> | Default flow, step 15 – ‘No’ button pressed:<br>1. The user taps the ‘no’ button<br>2. The app closes the question dialog without removing the picture  |
| <b>Alternative flow 4</b> | Default flow, step 18 – Back button pressed<br>1. The user presses the screen’s back button<br>2. The app shows a question asking if the user wants to upload the pictures<br>3. The user taps the ‘yes’ button<br>4. The app executes the default flow starting at step 21 |
| <b>Alternative flow 5</b> | Alternative flow 4, steps 3 and 20 – ‘No’ button pressed<br>1. The user taps the ‘no’ button<br>2. The app goes back to the pictures list from default flow, step 12 and the flow ends.   |