TEST CASES iValueU

Martijn Meeldijk

|  |  |
| --- | --- |
| Owner: | Martijn Meeldijk |
| Scope: | To validate all functions of the iValueU app |
| Originator: |  |
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**Change History**

|  |  |  |  |
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# Introduction

The purpose of this test case is to test and validate the functionality of the iValueU features.

# Scope

To validate all known functions of the iValueU features.

# Requirements

1. *Home Screen*
   1. *Display IvalueU logo*
   2. *Create account*
      1. *Create an account given a ‘first name’, ‘last name’, ‘date of birth’, ‘password’, ‘theme’ and ‘language’*
2. *Physical wellbeing*
   1. *Selection between indoors & outdoors*
   2. *List of videos*
   3. *Video player*
3. *Emotional Wellbeing*
   1. *Selection between indoors & outdoors*
   2. *Nested list of videos per category*
   3. *Video player*
4. *Photo Diary*
   1. *List of Photo Diary entries*
   2. *Ability to add entries given a ‘title’, ‘description’ and a photo*
      1. *Title and Description are mandatory*
5. *More*
   1. *Bibliotherapy*
      1. *Info about the origin of the app*
   2. *Organisations*
      1. *Info about participating organisations*

# Related Documents

See diagrams on previous slides

# Traceability Matrix

The following table describes the relation mapping between requirements from the requirement specification documents and corresponding test items, which validate their implementation. REQ – requirement, PRV – previous tests, Bug # - Bug log identification number.

|  |  |
| --- | --- |
| Requirement | Validated by: |
| *REQ - 1*  *REQ - 1.1* | *7.3* |
| *REQ – 1.2*  *REQ – 1.2.1* | *7.8* |
| *REQ - 2*  *REQ - 2.1*  *REQ - 2.2*  *REQ - 2.3* | *7.1* |
| *REQ - 3*  *REQ - 3.1*  *REQ - 3.2*  *REQ - 3.3* | *7.2* |
| *REQ - 4*  *REQ - 4.1*  *REQ - 4.2*  *REQ - 4.2.1* | *7.4*  *7.5* |
| *REQ – 5.1*  *REQ – 5.1.1* | *7.7* |
| *REQ – 5.2*  *REQ – 5.2.1* | *7.8* |
| *BUG# 1* | *7.2* |

# **Notes**

Add any generally relevant notes here.

Bug# 1: The meditation animation is displayed in both indoors and outdoors emotional menus. This was due to an error in the categorisation algorithm.

# **Test Cases** *- iValueU*

Follow the checklist in order and perform each test. Check the Pass work Fail box to the left according to the results. Note addition of bug# number if or when a bug is submitted resulting from a failed test

| **Test Run #** | **Tester Name** | **Date** | **Browser & Version** | **Execution Time** | **Did all the Tests Pass?** |
| --- | --- | --- | --- | --- | --- |
| 7.1 | Martijn | 28-10-2020 | Flutter 1.22.0  Dart 2.10.0 | A minute | Yes |
| 7.2  BUG# 1 | Martijn | 28-10-2020 | Flutter 1.22.0  Dart 2.10.0 | A minute | No |
| 7.3 | Martijn | 28-10-2020 | Flutter 1.22.0  Dart 2.10.0 | A minute | Yes |
| 7.4 | Martijn | 28-10-2020 | Flutter 1.22.0  Dart 2.10.0 | A minute | Yes |
| 7.5 | Martijn | 28-10-2020 | Flutter 1.22.0  Dart 2.10.0 | A minute | Yes |
| 7.6 | Martijn | 28-10-2020 | Flutter 1.22.0  Dart 2.10.0 | A minute | Yes |
| 7.7 | Martijn | 28-10-2020 | Flutter 1.22.0  Dart 2.10.0 | A minute | Yes |
| 7.8 | Martijn | 28-10-2020 | Flutter 1.22.0  Dart 2.10.0 | A minute | Yes |
| 7.2 | Martijn | 28-10-2020 | Flutter 1.22.0  Dart 2.10.0 | A minute | Yes, bug fixed |

## Test Item: Select Physical Movie

**Scope:** *Test the selection of physical movies*

**Action:** User tap

**Test Notes and Preconditions:**

User has logged in to the system

User has chosen indoor or outdoor

**Verification Steps:** Verify if the navigation through the system is working, thumbnails are displayed, and videos are loaded correctly from YouTube.

**Scenario 1:** *P1*

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.1.1.1 | User opens physical menu | tap | Physical Menu displayed | Physical Menu displayed | P | no |
| 7.1.1.2 | User selects video from menu | tap | Video thumbnail displayed | Video thumbnail displayed | P | no |
| 7.1.1.3 | User taps video thumbnail | tap | Video P1 is displayed | Video P1 is displayed | P | no |

**Scope:** Test the selection of physical movies

**Scenario 2:** *P4*

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.1.2.1 | User opens physical menu | tap | Physical Menu displayed | Physical Menu displayed | P | no |
| 7.1.2.2 | User selects video from menu | tap | Video thumbnail displayed | Video thumbnail displayed | P | no |
| 7.1.2.3 | User taps video thumbnail | tap | Video P4 is displayed | Video P4 is displayed | P | no |

## Test Item: Select Emotional Movie

**Scope:** *Test the selection of emotional movies*

**Action:** User tap

**Test Notes and Preconditions:**

User has logged in to the system

User has chosen indoor or outdoor

**Verification Steps:** Verify if the navigation through the system is working, thumbnails are displayed, and videos are loaded correctly from YouTube.

**Scenario 1:** *E1-1*

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.2.1.1 | User opens emotional menu | tap | Emotional Menu displayed | Emotional Menu displayed | P | no |
| 7.2.1.2 | User selects category from menu | tap | List of videos is displayed | List of videos is displayed | P | no |
| 7.2.1.3 | User selects video from menu | tap | Video thumbnail is displayed | Video thumbnail is displayed | P | no |
| 7.2.1.4 | User taps video thumbnail | tap | Video E1-1 is displayed | Video E1-1 is displayed | P | no |

**Scope:** Test the selection of emotional movies

**Scenario 2:** *E2-4*

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.2.2.1 | User opens emotional menu | tap | Emotional Menu displayed | Emotional Menu displayed | P | no |
| 7.2.2.2 | User selects category from menu | tap | List of videos is displayed | List of videos is displayed | P | no |
| 7.2.2.3 | User selects video from menu | tap | Video thumbnail is displayed | Video thumbnail is displayed | P | no |
| 7.2.2.4 | User taps video thumbnail | tap | Video E2-4 is displayed | Video E2-4 is displayed | P | no |

**Scope:** Test the selection of emotional movies

**Scenario 2:** *Meditation animation*

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.2.2.1 | User opens emotional menu | tap | Emotional Menu displayed | Emotional Menu displayed | P | no |
| 7.2.2.2 | User selects category from menu | tap | List of videos is displayed | Meditation animation is displayed in both indoor and outdoor menus | F | no |
| 7.2.2.3 | User selects video from menu | tap | Video thumbnail is displayed | Video thumbnail is displayed | P | no |
| 7.2.2.4 | User taps video thumbnail | tap | Video E2-4 is displayed | Video E2-4 is displayed | P | no |

## Test Item: Start App

**Scope:** Start the app and see if it actually runs

**Action:** User tap

**Test Notes and Preconditions:** n/a

**Verification Steps:** Verify that the app started correctly

**Scenario 1:**

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.3.1.1 | Start app | tap | App started correctly | App started correctly | P | no |

## Test Item: View Photo Diary

**Scope:** *Test if photos, titles and descriptions are displayed correctly in the photo diary*

**Action:** User tap

**Test Notes and Preconditions:**

User has logged in to the system

User has entries in Photo Diary

**Verification Steps:** Verify if entries in Photo Diary are displayed correctly

**Scenario 1:**

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.4.1.1 | User opens Photo Diary Menu | tap | Photo Diary is displayed | Photo Diary is displayed | P | no |

## Test Item: Add Photo

**Scope:** Test if an entry is correctly added to the photo diary

**Action:** User tap and text input

**Test Notes and Preconditions:**

User is logged in

**Verification Steps:** Verify if photos are correctly added to the diary, and exceptions are caught.

*Little side note: The requirements say that the actual photo is not a mandatory field in the photo diary. So, we should be able to add an entry without adding a photo.*

**Scenario 1:**

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.5.1.1 | User opens Photo Diary menu | tap | Photo diary is opened | Photo diary is opened | P | no |
| 7.5.1.2 | User opens the ‘Add New data’ menu | tap (on the +) | Add new data menu is opened | Add new data menu is opened | P | no |
| 7.5.1.3 | User fills in the title | String: “Test 1” | n/a | n/a | P | no |
| 7.5.1.4 | User fills in the description | String: “Test 1” | n/a | n/a | P | no |
| 7.5.1.5 | User selects photo to add | Random photo | n/a | n/a | P | no |
| 7.5.1.6 | User presses ‘save’ | tap | Entry is saved and can be viewed | Entry is saved and can be viewed | P | no |

**Scope:** Add photo without filling in ‘Title’

**Scenario 2:**

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.5.2.1 | User opens Photo Diary menu | tap | Photo diary is opened | Photo diary is opened | P | no |
| 7.5.2.2 | User opens the ‘Add New data’ menu | tap (on the +) | Add new data menu is opened | Add new data menu is opened | P | no |
| 7.5.2.3 | User fills in the description | String: “Test 1” | n/a | n/a | P | no |
| 7.5.2.4 | User selects photo to add | Random photo | n/a | n/a | P | no |
| 7.5.2.5 | User presses ‘save’ | tap | Exception ‘no title’ is thrown | Exception ‘Title and description are mandatory is thrown | P | no |

**Scope:** Add photo without filling in ‘description’

**Scenario 3:**

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.5.3.1 | User opens Photo Diary menu | tap | Photo diary is opened | Photo diary is opened | P | no |
| 7.5.3.2 | User opens the ‘Add New data’ menu | tap (on the +) | Add new data menu is opened | Add new data menu is opened | P | no |
| 7.5.3.3 | User fills in the title | String: “Test 1” | n/a | n/a | P | no |
| 7.5.3.4 | User selects photo to add | Random photo | n/a | n/a | P | no |
| 7.5.3.5 | User presses ‘save’ | tap | Exception ‘no description’ is thrown | Exception ‘Title and description are mandatory is thrown | P | no |

## Test Item: Bibliotherapy

**Scope:** Test if the info in the bibliotherapy page is displayed correctly and the navigation to said page works as expected

**Action:** User tap

**Test Notes and Preconditions:**

User is logged in

**Verification Steps:** Verify if the bibliotherapy page is displayed correctly and the navigation to said page works as expected

**Scenario 1:**

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.6.1.1 | User opens the ‘more’ menu | tap | ‘more’ menu is displayed | ‘more’ menu is displayed | P | no |
| 7.6.1.2 | User selects ‘bibliotherapy’ | tap | ‘Bibliotherapy’ page is displayed correctly | ‘Bibliotherapy’ page is displayed correctly | P | no |

## Test Item: Organisations

**Scope:** Test if the organisations page works

**Action:** User Tap

**Test Notes and Preconditions:** user is logged in

**Verification Steps:** Verify if the organisations page is displayed correctly and the images on the page are displayed

**Scenario 1:**

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.7.1.1 | User opens the ‘more’ menu | tap | ‘More’ menu is displayed | ‘More’ menu is displayed | P | no |
| 7.7.1.2 | User selects ‘organisations’ from the list | tap | The ‘organisations’ page is displayed correctly with the right images | The ‘organisations’ page is displayed correctly with the right images | P | no |

## Test Item: Register

**Scope:** Test if user registration works as intended

**Action:** User Tap & Text input

**Test Notes and Preconditions:** user is not logged in, app is opened for the first time

**Verification Steps:** Verify if the registrations process works as intended and errors are caught.

**Scenario 1:**

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.8.1.1 | User opens the app | tap | App home screen is displayed with a pop-up asking for credentials | App home screen is displayed with a pop-up asking for credentials | P | no |
| 7.8.1.2 | User fills in ‘first name’ | text |  |  | P | no |
| 7.8.1.3 | User fills in ‘last name’ | text |  |  | P | no |
| 7.8.1.4 | User fills in ‘date of birth’ | text |  |  | P | no |
| 7.8.1.5 | User fills in ‘password’ | text |  |  | P | no |
| 7.8.1.6 | User selects ‘language’ | tap |  |  | P | no |
| 7.8.1.7 | User selects ‘theme’ | tap |  |  | P | no |
| 7.8.1.8 | User presses ‘confirm’ | tap | The User is now successfully registered, and the home screen is displayed with the correct language and theme | The User is now successfully registered, and the home screen is displayed with the correct language and theme | P | no |

**Scenario 2:**

**Scope:** Fill in form without first name

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.8.2.1 | User opens the app | tap | App home screen is displayed with a pop-up asking for credentials | App home screen is displayed with a pop-up asking for credentials | P | no |
| 7.8.2.2 | User fills in ‘last name’ | text |  |  | P | no |
| 7.8.2.3 | User fills in ‘date of birth’ | text |  |  | P | no |
| 7.8.2.4 | User fills in ‘password’ | text |  |  | P | no |
| 7.8.2.5 | User selects ‘language’ | tap |  |  | P | no |
| 7.8.2.6 | User selects ‘theme’ | tap |  |  | P | no |
| 7.8.2.7 | User presses ‘confirm’ | tap | Error is thrown | Error is thrown | P | no |

**Scenario 3:**

**Scope:** Fill in form without last name

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.8.3.1 | User opens the app | tap | App home screen is displayed with a pop-up asking for credentials | App home screen is displayed with a pop-up asking for credentials | P | no |
| 7.8.3.2 | User fills in ‘first name’ | text |  |  | P | no |
| 7.8.3.3 | User fills in ‘date of birth’ | text |  |  | P | no |
| 7.8.3.4 | User fills in ‘password’ | text |  |  | P | no |
| 7.8.3.5 | User selects ‘language’ | tap |  |  | P | no |
| 7.8.3.6 | User selects ‘theme’ | tap |  |  | P | no |
| 7.8.3.7 | User presses ‘confirm’ | tap | Error is thrown | Error is thrown | P | no |

**Scenario 4:**

**Scope:** Fill in form without date of birth

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.8.4.1 | User opens the app | tap | App home screen is displayed with a pop-up asking for credentials | App home screen is displayed with a pop-up asking for credentials | P | no |
| 7.8.4.2 | User fills in ‘first name’ | text |  |  | P | no |
| 7.8.4.3 | User fills in ‘last name’ | text |  |  | P | no |
| 7.8.4.4 | User fills in ‘password’ | text |  |  | P | no |
| 7.8.4.5 | User selects ‘language’ | tap |  |  | P | no |
| 7.8.4.6 | User selects ‘theme’ | tap |  |  | P | no |
| 7.8.4.7 | User presses ‘confirm’ | tap | Error is thrown | Error is thrown | P | no |

**Scenario 5:**

**Scope:** Fill in form without password

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.8.5.1 | User opens the app | tap | App home screen is displayed with a pop-up asking for credentials | App home screen is displayed with a pop-up asking for credentials | P | no |
| 7.8.5.2 | User fills in ‘first name’ | text |  |  | P | no |
| 7.8.5.3 | User fills in ‘last name’ | text |  |  | P | no |
| 7.8.5.4 | User fills in ‘date of birth’ | text |  |  | P | no |
| 7.8.5.5 | User selects ‘language’ | tap |  |  | P | no |
| 7.8.5.6 | User selects ‘theme’ | tap |  |  | P | no |
| 7.8.5.7 | User presses ‘confirm’ | tap | Error is thrown | Error is thrown | P | no |

**Scenario 6:**

**Scope:** Fill in form without language

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.8.6.1 | User opens the app | tap | App home screen is displayed with a pop-up asking for credentials | App home screen is displayed with a pop-up asking for credentials | P | no |
| 7.8.6.2 | User fills in ‘first name’ | text |  |  | P | no |
| 7.8.6.3 | User fills in ‘last name’ | text |  |  | P | no |
| 7.8.6.4 | User fills in ‘date of birth’ | text |  |  | P | no |
| 7.8.6.5 | User fills in ‘password’ | text |  |  | P | no |
| 7.8.6.6 | User selects ‘theme’ | tap |  |  | P | no |
| 7.8.6.7 | User presses ‘confirm’ | tap | Error is thrown | Error is thrown | P | no |

**Scenario 7:**

**Scope:** Fill in form without theme

| **Test ID#** | **Action** | **Input Value** | **Expected Results** | **Actual Results** | **P/F** | **Automated** |
| --- | --- | --- | --- | --- | --- | --- |
| 7.8.7.1 | User opens the app | tap | App home screen is displayed with a pop-up asking for credentials | App home screen is displayed with a pop-up asking for credentials | P | no |
| 7.8.7.2 | User fills in ‘first name’ | text |  |  | P | no |
| 7.8.7.3 | User fills in ‘last name’ | text |  |  | P | no |
| 7.8.7.4 | User fills in ‘date of birth’ | text |  |  | P | no |
| 7.8.7.5 | User fills in ‘password’ | text |  |  | P | no |
| 7.8.7.6 | User selects ‘language’ | tap |  |  | P | no |
| 7.8.7.7 | User presses ‘confirm’ | tap | Error is thrown | Error is thrown | P | no |