

**TINF21C, SWE I Praxisprojekt 2022**

System Test Report (STR)

**Project: AAS-Management**

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**Version 0.1**

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| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Comment** |
| 0.1 | 18.05.2023 | Selvana Ayunda | Created and report |

**1. Scope**

The System Test Report (STR) records the outcomes of tests that originated from the System Test Plan (STP). It includes the test cases outlined in the STP, along with their corresponding results obtained from executing the test plan.

# 2. Test Case

## 2.1 Test Case User login for advanced

| **Testcase ID** | **T001** |
| --- | --- |
| TC Name | User login for advanced |
| Req-ID | AASM-REQ1 |
| Description | This test cases verifies that user can log in with correct Email and Password |

| **Step** | **Action** | **Data** | **Expected result** |
| --- | --- | --- | --- |
| 1 | Open Website | <https://jotec2002.github.io/TINF21C_AAS_Management/> | Website is open |
| 2 | Click on log in button |  | the pop-up window appears |
| 3 | Enter valid e-mail address and password. | email: [advanced@example.com](mailto:advanced@example.com) password: advanced | type login data in text fields |
| 4 | Click on the "Login" button. |  | login successfully, email adress as dropdown with log out appears |
| Tester : | Selvana Ayunda |  |  |
| Date : | 18.05.2023 |  |  |
| Test Case Result: | PASS |  |  |

## 2.2 Test Case User login for admin

| **Testcase ID** | **T002** |
| --- | --- |
| TC Name | User login for admin |
| Req-ID | AASM-REQ1 |
| Description | This test cases verifies that user can log in with correct Email and Password |

| **Step** | **Action** | **Data** | **Expected result** |
| --- | --- | --- | --- |
| 1 | Open Website | <https://jotec2002.github.io/TINF21C_AAS_Management/> | Website is open |
| 2 | Click on log in button |  | the pop-up window appears |
| 3 | Enter valid e-mail address and password. | email: [admin@example.com](mailto:admin@example.com) password: admin | type login data in text fields |
| 4 | Click on the "Login" button. |  | login successfully,User Management , Add Asset , and email adress as dropdown with logout appear on navbar |
| Tester : | Selvana Ayunda |  |  |
| Date : | 18.05.2023 |  |  |
| Test Case Result: | PASS |  |  |

## 2.3 Test Case User login for invalid access

| **Testcase ID** | **T003** |
| --- | --- |
| TC Name | User login for invalid access |
| Req-ID | AASM-REQ6 |
| Description | This test cases verifies that user with invalid acess can't log in |

| **Step** | **Action** | **Data** | **Expected result** |
| --- | --- | --- | --- |
| 1 | Open Website | <https://jotec2002.github.io/TINF21C_AAS_Management/> | Website is open |
| 2 | Click on log in button |  | the pop-up window appears |
| 3 | Enter valid e-mail address and password. | email: [blabla@example.com](mailto:blabla@example.com) password: ss | type login data in text fields |
| 4 | Click on the "Login" button. |  | error massage with login failed show |
| Tester : | Selvana Ayunda |  |  |
| Date : | 18.05.2023 |  |  |
| Test Case Result: | PASS |  |  |

## 2.4 Test Case User logout

| **Testcase** | **ID** | **T004** |
| --- | --- | --- |
| TC Name | User logout |  |
| Req-ID | AASM-REQ1 |  |
| Precondition | User is already logged in |  |
| Description | This test cases verifies that user can log out successfully |  |

| **Step** | **Action** | **Data** | **Expected result** |
| --- | --- | --- | --- |
| 1 | Click on dropdown email |  | logout button shows |
| 2 | Click on log out button |  | email on navbar will be deseppear |

## 2.5 Test Case Asset and their Submodels

| **Testcase** | **ID** | **T005** |
| --- | --- | --- |
| TC Name | Asset and their Submodels |  |
| Req-ID | AASM-REQ1 |  |
| Precondition | user is on homepage |  |
| Description | This test cases verifies that basic-user has only limited submodels |  |

| **Step** | **Action** | **Data** | **Expected result** |
| --- | --- | --- | --- |
| 1 | Click on Asset | AAS\_WEISS\_HN400607 | Show Nametamplate and TechnicalData on rightside |
| Tester : | Selvana Ayunda |  |  |
| Date : | 18.05.2023 |  |  |
| Test Case Result: | PASS |  |  |

## 2.6 Test Case Asset and their Submodels

| **Testcase** | **ID** | **T006** |
| --- | --- | --- |
| TC Name | Asset and their Submodels |  |
| Req-ID | AASM-REQ1 |  |
| Precondition | user is on homepage and login as advanced |  |
| Description | This test cases verifies advanced has more submodels as basic |  |

| **Step** | **Action** | **Data** | **Expected result** |
| --- | --- | --- | --- |
| 1 | Click on AAS\_WEISS\_HN400607 (Asset) |  | Show more than Nametamplate and TechnicalData on rightside |
| Tester : | Selvana Ayunda |  |  |
| Date : | 18.05.2023 |  |  |
| Test Case Result: | PASS |  |  |

## 2.7 Test Case Asset and their Submodels

| **Testcase** | **ID** | **T007** |
| --- | --- | --- |
| TC Name | Asset and their Submodels |  |
| Req-ID | AASM-REQ1 |  |
| Precondition | user is on homepage and login as admin |  |
| Description | This test cases verifies admin has more submodels as basic |  |

| **Step** | **Action** | **Data** | **Expected result** |
| --- | --- | --- | --- |
| 1 | Click on AAS\_WEISS\_HN400607 (Asset) |  | Show more than Nametamplate and TechnicalData on rightside |
| Tester : | Selvana Ayunda |  |  |
| Date : | 18.05.2023 |  |  |
| Test Case Result: | PASS |  |  |

## 2.8 Test Case Change Role

| **Testcase ID** | **T008** |
| --- | --- |
| TC Name | Change Role |
| Req-ID | AASM-REQ2 |
| Precondition | The user is already logged in as admin |
| Description | The admin wants to use admin dashboard to change role of the other user |

| **Step** | **Action** | **Data** | **Expected result** |
| --- | --- | --- | --- |
| 1 | Click on User Management |  | Admin Dashboard appears |
| 2 | Click on edit icon on advanced |  | Popup Edit appears |
| 3 | Enter new admin password and choose new role |  | password: admin, role:admin |
| 4 | Click on submit edited account |  | advaced has role as admin |
| Tester : | Selvana Ayunda |  |  |
| Date : | 18.05.2023 |  |  |
| Test Case Result: | PASS |  |  |

## 2.9 Test Case Delete Asset

| **Testcase ID** | **T009** |
| --- | --- |
| TC Name | Delete Delete Asset |
| Req-ID | AASM-REQ3 |
| Precondition | User is already as admin logged in on Admin Dashboard |
| Description | This test cases verifies that admin can delete the AAS Content successfully |

| **Step** | **Action** | **Data** | **Expected result** |
| --- | --- | --- | --- |
| 1 | Click on AAS\_WEISS\_HN400607 (Asset) |  | Submodels appears on rightside |
| 2 | Click delete button |  | delete dialog appear |
| 3 | Click delete button |  | Asset will be deleted, redirect to homepage |
| Tester : | Selvana Ayunda |  |  |
| Date : | 18.05.2023 |  |  |
| Test Case Result: | PASS |  |  |

## 2.10 Add Asset

| **Testcase ID** | **T010** |
| --- | --- |
| TC Name | Add AAS content |
| Req-ID | AASM-REQ3 |
| Precondition | User is already as admin logged in on Admin Dashboard |
| Description | This test cases verifies that admin can add the AAS Content successfully |

| **Step** | **Action** | **Data** | **Expected result** |
| --- | --- | --- | --- |
| 1 | Click on Add Asset in Navigationbar |  | Addasset page appear |
| 2 | Choose file .assx | file:<https://demo-digital-twin.r-stahl.com/ids/asset/123456789> choose:RStahl\_220381\_123456789\_Instance.aasx | file information appear |
| 3 | Enter AAS-ID | AAS-ID: <https://demo-digital-twin.r-stahl.com/ids/asset/123456789> | Alert to say that the asset is added |
| Tester : | Selvana Ayunda |  |  |
| Date : | 18.05.2023 |  |  |
| Test Case Result: | PASS |  |  |

## 2.11 Test Case Search Asset

| **Testcase ID** | **T011** |
| --- | --- |
| TC Name | Search function |
| Req-ID | AASM-REQ4 |
| Precondition | User is on homepage |
| Description | This test cases verifies that user can find specific asset |

| **Step** | **Action** | **Data** | **Expected result** |
| --- | --- | --- | --- |
| 1 | Enter name of specific asset | serach: AAS\_WEISS\_HN400607 | just AAS\_WEISS\_HN400607 on Assetbar appears |
| Tester : | Selvana Ayunda |  |  |
| Date : | 18.05.2023 |  |  |
| Test Case Result: | PASS |  |  |

## 2.12 Test CaseChange Server

| **Testcase ID** | **T012** |
| --- | --- |
| TC Name | Change Server |
| Req-ID |  |
| Precondition | User is on homepage |
| Description | This test cases verifies that user can change URL-Server |

| **Step** | **Action** | **Data** | **Expected result** |
| --- | --- | --- | --- |
| 1 | Enter new URL-Server | URL-Server:<https://ccae4836-001e-48c2-a4f9-235554f9400b.ma.bw-cloud-instance.org/> | URL-Server in placeholder |
| 2 | Click enter button on your keyboard or click on change button on Navigationbar |  | Assets will be change |
| Tester : | Selvana Ayunda |  |  |
| Date : | 18.05.2023 |  |  |
| Test Case Result: | PASS |  |  |

## 2.13 Test Case Create New User

| **Testcase ID** | **T013** |
| --- | --- |
| TC Name | Create new user |
| Req-ID | AASM-REQ2 |
| Precondition | User is login as admin and is already on Admin dashboard |
| Description | This test cases verifies that admin can add new user |

| **Step** | **Action** | **Data** | **Expected result** |
| --- | --- | --- | --- |
| 1 | Click on Create account button |  | Pop-Up Create Account appears |
| 2 | Enter new user access | Username:[wuseldusel@wusel.dusel](mailto:wuseldusel@wusel.dusel) Password: advanced Role: advanced | Enter user access |
| 3 | Click on Submit new account |  | new user will be appear |
| Tester : | Selvana Ayunda |  |  |
| Date : | 18.05.2023 |  |  |
| Test Case Result: | PASS |  |  |

## 2.14 Test Case Delete

| **Testcase ID** | **T014** |
| --- | --- |
| TC Name | Delete user |
| Req-ID | AASM-REQ2 |
| Precondition | User is login as admin and is already on Admin dashboard |
| Description | This test cases verifies that admin can delete user |

| **Step** | **Action** | **Data** | **Expected result** |
| --- | --- | --- | --- |
| 1 | Click on delete icon | user:[wuseldusel@wusel.dusel](mailto:wuseldusel@wusel.dusel) | Pop-Up Delete appears |
| 2 | Click on delete |  | User doesn't exist anymore |
| Tester : | Selvana Ayunda |  |  |
| Date : | 18.05.2023 |  |  |
| Test Case Result: | PASS |  |  |