# Traceability Summary Report

## Report Input

### Requirements

List: PP-1, PP-2

Include child Issues: Yes (Child Issue Type filter: Bug, Story)

Cumulate requirements data: Yes
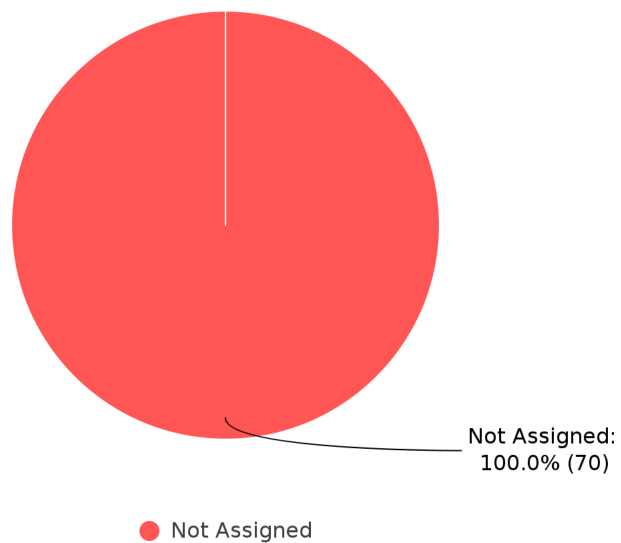
Include all Case Versions: No

Exclude Archived Cases: No

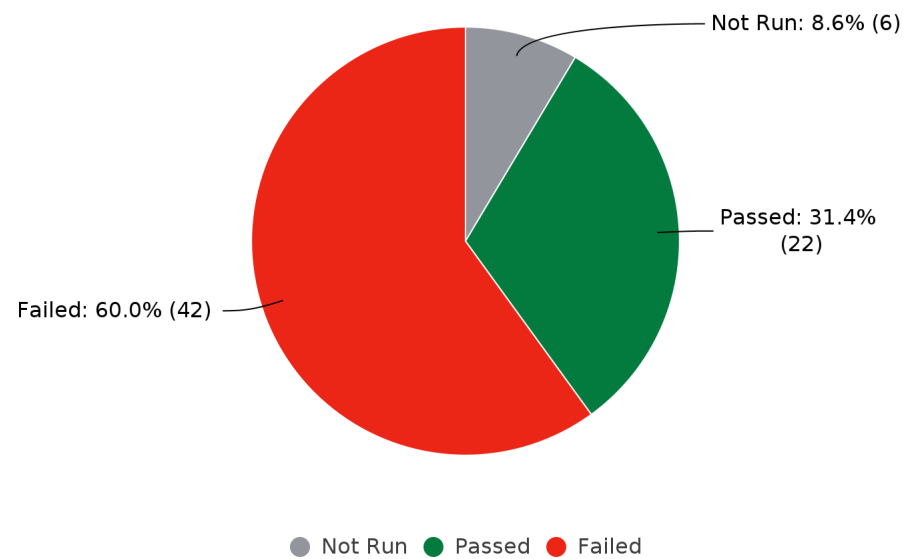### Cycles

Retrieve Runs: Yes, Retrieve Defects: Yes

List: PP-CY-1

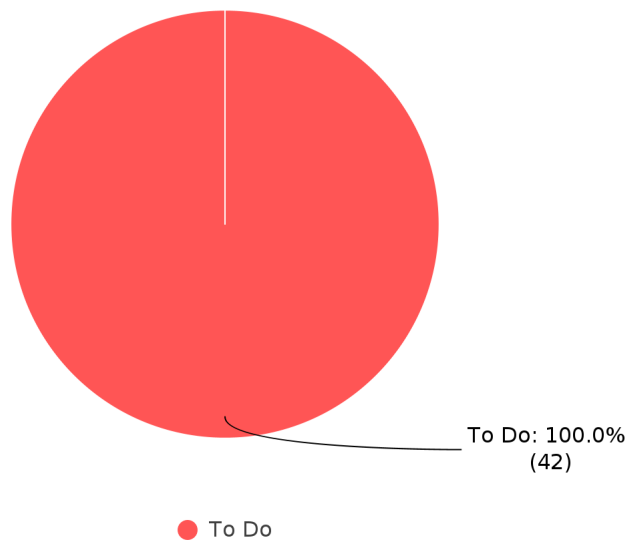| Statistic | Value | Explanation |
|---|---|---|
| Requirements | 62 | Requirement count. |
| Covered | 50 (80.6%) | Requirements having cases associated. |
| Not Covered | 12 (19.4%) | Requirements not having any cases associated. |
| Cases | 70 | Cases associated with covered requirements. |
| Defects | 42 | Defects uncovered while executing associated cases. |

## Case Priority Distribution

Not Assigned: 100.0% (70)

● Not Assigned

## Execution Distribution

Not Run: 8.6% (6)

Passed: 31.4% (22)

Failed: 60.0% (42)

● Not Run  ● Passed  ● Failed

## Defect Distribution

To Do: 100.0% (42)

● To Do

| Requirement | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Key | Summary | Type | Status | Priority | Coverage | Case Count | Execution Results | % Done | Defect Count |
| PP-1 | User Functionality | Epic | To Do | Medium | Covered | 25 | 5 Passed, 20 Failed | 100.0% | 20 |
| PP-31 | Failed : serviceCreateUserPositiveTest | Bug | To Do | High | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-32 | Failed : serviceAuthenticatePositiveTest | Bug | To Do | High | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-18 | Failed : Users can not register a new account with invalid credentials - non-unique username (no alert) | Bug | To Do | Medium | Not Covered | 0 | | | |
| PP-30 | Failed : daoCreateUserNegativeTest | Bug | To Do | Medium | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-33 | Failed : serviceCreateUserNegativeTest | Bug | To Do | Medium | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-51 | Failed : Login Negative (invalid username) | Bug | To Do | Medium | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-70 | Failed : Register Negative (password start character fail) | Bug | To Do | Medium | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-71 | Failed : Register Negative (password character fail) | Bug | To Do | Medium | Covered | 1 | 1 Failed | 100.0% | 1 |

| Requirement | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Key | Summary | Type | Status | Priority | Coverage | Case Count | Execution Results | % Done | Defect Count |
| PP-42 | Failed : Register Negative (Password uppercase constraint fail) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-44 | Failed : Register Negative (password lowercase constraint fail) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-45 | Failed : Register Negative (password number constraint fail) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-52 | Failed : Register Negative (non unique username) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-54 | Failed : Login Negative (invalid password) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-55 | Failed : Register Negative (Username too short) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-57 | Failed : Register Negative (Username too long) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 |

| Requirement | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Key | Summary | Type | Status | Priority | Coverage | Case Count | Execution Results | % Done | Defect Count |
| PP-58 | Failed : Login Negative (both invalid) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-60 | Failed : Register Negative (username doesn't start with letter) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-61 | Failed : Logout | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-63 | Failed : Register Negative (Username has invalid characters) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-65 | Failed : Register Positive | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-67 | Failed : Register Negative (password length long fail) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-68 | Failed : Register Negative (password length short fail) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-24 | Failed : User cannot login with invalid credentials - username password combination does not exist in database | Bug | To Do | Lowest | Not Covered | 0 | | | |

| Requirement | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Key | Summary | Type | Status | Priority | Coverage | Case Count | Execution Results | % Done | Defect Count |
| PP-3 | As a new user I want to open an account with the Planetarium so I can save my celestial findings | Story | To Do | Medium | Covered | 6 | 3 Passed, 3 Failed | 100.0% | 3 |
| PP-4 | As a user I want to securely access my account so I can interact with the Planetarium in a secure environment | Story | To Do | Medium | Covered | 5 | 4 Passed, 1 Failed | 100.0% | 1 |
| PP-2 | Application Functionality | Epic | To Do | Medium | Covered | 45 | 6 Not Run, 17 Passed, 22 Failed | 86.7% | 22 |
| PP-19 | Failed : User can not add new moons to the table with invalid data - non-unique name - incorrect alert message | Bug | To Do | Medium | Not Covered | 0 | | | |
| PP-20 | Failed : Users logged in who provide invalid moon inputs should not be able to add moons to the planetarium. - Alert name mismatch | Bug | To Do | Medium | Not Covered | 0 | | | |

| Requirement | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Key | Summary | Type | Status | Priority | Coverage | Case Count | Execution Results | % Done | Defect Count |
| PP-21 | Failed : Users should not be able to see other user's moons and planets | Bug | To Do | Medium | Not Covered | 0 | | | |
| PP-22 | Failed : User can not add new planet to table with invalid data - no alert message for invalid file type | Bug | To Do | Medium | Not Covered | 0 | | | |
| PP-23 | Failed : User can add new moons to the table with valid png - No alert for valid file type | Bug | To Do | Medium | Not Covered | 0 | | | |
| PP-25 | Failed : User cannot add a new moon with invalid data - invalid moon name, owner, and file type | Bug | To Do | Medium | Not Covered | 0 | | | |
| PP-26 | Failed : User cannot add a new moon with invalid data - valid moon name, invalid moon owner and file type | Bug | To Do | Medium | Not Covered | 0 | | | |

| Requirement | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Key | Summary | Type | Status | Priority | Coverage | Case Count | Execution Results | % Done | Defect Count |
| PP-27 | Failed : User cannot add a new moon with invalid data - invalid moon name and filetype, valid moon owner | Bug | To Do | Medium | Not Covered | 0 | | | |
| PP-28 | Failed : User cannot add a new moon with invalid data - invalid moon name and planet id | Bug | To Do | Medium | Not Covered | 0 | | | |
| PP-29 | Failed : User cannot add a new moon with invalid data - valid moon name and file type, invalid moon owner | Bug | To Do | Medium | Not Covered | 0 | | | |
| PP-34 | Failed : daoCreatePlanetNegativeTest | Bug | To Do | Medium | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-35 | Failed : serviceCreatePlanetNegativeTest | Bug | To Do | Medium | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-36 | Failed : serviceDeletePlanetNegativeTest | Bug | To Do | Medium | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-37 | Failed : daoDeleteMoonNegativeTest | Bug | To Do | Medium | Covered | 1 | 1 Failed | 100.0% | 1 |

| Requirement | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Key | Summary | Type | Status | Priority | Coverage | Case Count | Execution Results | % Done | Defect Count |
| PP-38 | Failed : daoCreateMoon NegativeTest | Bug | To Do | Medium | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-39 | Failed : serviceCreateMoonNegativeTest | Bug | To Do | Medium | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-40 | Failed : serviceDeleteMoonNegativeTest | Bug | To Do | Medium | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-47 | Failed : Create Moon without image Negative (moon name invalid characters fail) | Bug | To Do | Medium | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-59 | Failed : Create Moon without image Negative (planet id fail) | Bug | To Do | Medium | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-64 | Failed : Create Moon with image Negative (invalid file format) | Bug | To Do | Medium | Covered | 1 | 1 Failed | 100.0% | 1 |
| PP-43 | Failed : Get Moon by Planet ID (ID = 1) | Bug | To Do | Low | Covered | 1 | 1 Passed | 100.0% | 1 |
| PP-46 | Failed : Create Planet with Invalid name (planet name length long fail) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 |

| Requirement | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Key | Summary | Type | Status | Priority | Coverage | Case Count | Execution Results | % Done | Defect Count | |
| PP-48 | Failed : Create Planet with Invalid name (planet name length short fail) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 | |
| PP-49 | Failed : Create Moon without image Negative (moon name unique fail) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 | |
| PP-50 | Failed : Create Planet with Invalid name (planet name unique fail) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 | |
| PP-53 | Failed : Create Moon without image Negative (moon name length fail) | Bug | To Do | Low | Covered | 2 | 2 Failed | 100.0% | 1 | |
| PP-56 | Failed : Create Planet with Invalid name (planet name character fail) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 | |
| PP-62 | Failed : Create Planet Negative (Invalid file type) | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 | |
| PP-66 | Failed : Delete Planet Positive | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 | |
| PP-69 | Failed : Delete Planet Negative | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 | |
| PP-72 | Failed : Delete Moon Negative | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 | |
| PP-73 | Failed : Delete Moon Positive | Bug | To Do | Low | Covered | 1 | 1 Failed | 100.0% | 1 | |

| Requirement | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Key | Summary | Type | Status | Priority | Coverage | Case Count | Execution Results | % Done | Defect Count |
| PP-5 | As a user I want to remove planets and moons from the Planetarium so I can correct my findings | Story | To Do | Medium | Covered | 8 | 3 Not Run, 2 Passed, 3 Failed | 62.5% | 3 |
| PP-6 | As a user I want to add new planets and moons to the Planetarium so I can update my findings | Story | To Do | Medium | Covered | 12 | 3 Not Run, 5 Passed, 4 Failed | 75.0% | 4 |
| PP-7 | As a user I want to see my planets and moons added to the Planetarium so I can track my findings | Story | To Do | Medium | Covered | 9 | 9 Passed | 100.0% | 0 |