Acceptance Testing Summary

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### User Objects

* **Users should have unique usernames**

This is enforced by the database that enforces a constraint upon the

* **Usernames and passwords should be between 5-30 characters**

Acceptance tests are implemented with boundary case testing on usernames and passwords with 4 characters, 5 characters, 30 characters, and 31 characters.

* **Usernames and passwords should start with a letter**

Acceptance

* **Usernames should support lower case, upper case, numeric characters, underscores, and dashes**

Acceptance tests include the username "Azad-Zaire\_109" that includes all supported characters.

* **Passwords should contain a lower case, upper case, and numeric character**

Negative acceptance tests include passwords that do not include all required characters, such as "foobar" and "a123456".

* **Passwords should support underscores and dashes**

Acceptance test includes password "Azad-Zaire\_109" that includes all supported characters.

### Planet Objects

* **Planet names should be between 1-30 characters**

Acceptance tests include boundary case testing for 1, 30, and 31 characters.

* **Planet names should support lower case, upper case, numeric characters, white space, underscores, and dashes**

Acceptance tests include planet names with all supported characters.

* **Planets should have unique names**

Acceptance tests includes an attempt to add "Earth" to the base database.

* **Planets should be “owned” by the user that added it to the Planetarium**

Acceptance test checks if the planet is viewable in the home page.

* **Planets should allow adding an associated image, but an image should not be required for the data to be added to the database**

Acceptance tests include happy path tests both without and with an image added.

* **JPEG & PNG should be supported**

Positive acceptance tests are written specifically for JPEG and PNG files. Negative acceptance tests were removed, due to not being part of the requirements.

### Moon Objects

* **Moon names should be between 1-30 characters**

Acceptance tests included boundary case tests for 1 characters, 30 characters, and 31 characters.

* **Moon names should support lower case, upper case, numeric characters, white space, underscores, and dashes**

Acceptance cases included "Ice-Moon 23\_b", which includes all supported characters.

* **Moons should have unique names**

A negative acceptance test for adding "Luna" is done to the base database.

* **Moons should be “owned” by the Planet the User adding the moon associated it with**

An acceptance test checks if an added moon has a matching id.

* **Moons should be deleted if their "owner" planet is deleted from the database**

An acceptance test "Happy Path Planet with Moon Deleting" checks if a deleted planet also deletes the moons.

* **Moons should allow adding an associated image, but an image should not be required for the data to be added to the database**

Two acceptance tests, "Happy Path Moon Adding" and "Happy Path Moon with Image Adding", determine that images are supported but not required.

* **JPEG & PNG should be supported**

Acceptance tests

### **Acceptance Testing Requirements**

As a new user I want to open an account with the Planetarium so I can save my celestial findings

* Is the intended use of the service intuitive?
  + 2. The registration page closely resembles the login page, making it easy to get confused at a glance whether the user is logging in or registering. There are also no guidelines shown for what usernames or passwords are acceptable or required.
* Is the service easy to use?
  + 3. The actual implementation is clean and easy to follow, but there is room for improvement, such as using keyboard controls to submit credentials directly from the text boxes.
* Does the service inspire confidence?
  + 2. The layout is easy to follow and shows no glaring errors. The UI design doesn't give the impression of a lot of user testing or development, with no background.
* Is the service pleasing to look at?
  + 2. The UI design is very basic, although it doesn't appear to use a default web app appearance. The white-on-black design is a good starting point for a planetarium app, but could stand to excite new users.

As a user I want to securely access my account so I can interact with the Planetarium in a secure environment

* Is the intended use of the service intuitive?
* Is the service easy to use?
* Does the service inspire confidence?
* Is the service pleasing to look at?

As a user I want to see my planets and moons added to the Planetarium so I can track my findings

* Is the intended use of the service intuitive?
* Is the service easy to use?
* Does the service inspire confidence?
* Is the service pleasing to look at?

As a user I want to add new planets and moons to the Planetarium so I can update my findings

* Is the intended use of the service intuitive?
* Is the service easy to use?
* Does the service inspire confidence?
* Is the service pleasing to look at?

As a user I want to remove planets and moons from the Planetarium so I can correct my findings

* Is the intended use of the service intuitive?
* Is the service easy to use?
* Does the service inspire confidence?
* Is the service pleasing to look at?
* a grade to provide a quick indicator of how well/poor a User Story was scored
  + 1 = bad
  + 2 = ok
  + 3 = good
  + 4 = exceptional
* a paragraph description describing the reasons for the score