**User Acceptance Testing**

User Story 1

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

The Registration feature contains a simple interface with a clear indication of where to put user information, which includes the username and password. The create button is large enough to see and click. The location of the interface at the center of the screen is optimal and intended. An alert pops up when invalid credentials are submitted. The lack of a detailed background could be bland and boring to some users.

Score: 3

The Registration feature works as intended. A relevant background, such as a picture of space and celestial bodies, could enhance the page. The login link is also too small. However, these are minor issues that do not require a lot of time investment to implement, and the feature functions properly without sacrificing a lot in terms of aesthetics.

User Story 2

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

The login feature shares many of the same characteristics as the registration feature. It contains a simple interface with a clear indication of where to put user information, which includes the username and password. The login button is large enough to see and click. The location of the interface at the center of the screen is optimal and intended. An alert pops up when invalid credentials are submitted. The lack of a detailed background could be bland and boring to some users.

Score: 3

Since it is like the registration feature, the login feature obtains the same score. The login feature works as intended. A relevant background, such as a picture of space and celestial bodies, could enhance the page. The registration link is also too small. However, these are minor issues that do not require a lot of time investment to implement, and the feature functions properly without sacrificing a lot in terms of aesthetics.

User Story 3

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

The read feature functions properly. A greeting message, planets, and moons are visible to the user. There is also a relevant background present that does not obscure information or distract the user’s attention. All text on the page is readable. All images are clear. While simple, the design is clean and efficient.

Score: 3

While the information is conveyed properly, some more work could be done to expand the table. If the user has a lot of celestial bodies, it will impact user experience by making it difficult to find a specific entry. Here, a search bar or filter function would have to be implemented. In addition, the current table displays all planets and moons together. This aspect could be separated so planets and moons have their own respective tables.

User Story 4

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

The create feature functions properly. A popup alert is generated when the user inputs invalid data. Adding a moon to the table requires an additional orbited planet id to be filled, which is intended. Having an image field be optional is also the correct choice. The feature is located at the top of the page, so users will always know where to find it.

Score: 3

The option to change from adding a moon or planet is in the same row as the delete feature, which can be confusing to users who want to add instead of deleting. The button to add an image is also misleading; clicking on the “No file chosen” text allows adding an image. The submit button could also be a different design or color from the rest of the buttons to signify its purpose more clearly. More fields could be added to display more information about each celestial body, such as size, temperature, and/or length of day.

User Story 5

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

The delete feature functions properly. A popup alert is generated when the user inputs invalid data. The option to switch between planet or moon is located in the same row, which makes it clear what type of celestial body the user wants to delete. The feature is located at the top of the page, so users will always know where to find it.

Score: 3

The delete button could be a different design or color from the rest of the buttons to signify its purpose more clearly. More fields could be added so users may delete by other options other than its name, such as id, or orbited planet’s name for moons. Besides those improvements, the delete feature is sufficient for users.