

User Stories	Wants
US1	As a new user I want to open an account with the Planetarium so I can save my celestial findings
US2	As a user I want to securely access my account so I can interact with the Planetarium in a secure environment
US3	As a user I want to see my planets and moons added to the Planetarium so I can track my findings
US4	As a user I want to add new planets and moons to the Planetarium so I can update my findings
US5	As a user I want to remove planets and moons from the Planetarium so I can correct my findings

Security Requirement ID	Security Requirement	User Requirement ID	User Requirement	Planet Requirement ID	Planet Requirement	Moon Requirement ID	Moon Requirement
SR1	Passwords should never be visible in plain text	UR1	Users should have unique usernames	PR1	Planet names should be between 1-30 characters	MR1	Moon names should be between 1-30 characters
SR2	Users should only be able to interact with resources they have added to the Planetarium	UR2	Usernames and passwords should be between 5-30 characters	PR2	Planet names should support lower case, upper case, numeric characters, white space, underscores, and dashes	MR2	Moon names should support lower case, upper case, numeric characters, white space, underscores, and dashes
SR3	Only logged in Users should be able to access the Planetarium home page	UR3	Usernames and passwords should start with a letter	PR3	Planets should have unique names	MR3	Moons should have unique names
		UR4	Usernames should support lower case, upper case, numeric characters, underscores, and dashes	PR4	Planets should be "owned" by the user that added it to the Planetarium	MR4	Moons should be "owned" by the Planet the User adding the moon associated it with
		UR5	Passwords should contain a lower case, upper case, and numeric character	PR5	Planets should allow adding an associated image, but an image should not be required for the data to be added to the database	MR5	Moons should be deleted if their "owner" planet is deleted from the database
		UR6	Passwords should support underscores and dashes	PR6	JPEG & PNG should be supported	MR6	Moons should allow adding an associated image, but an image should not be required for the data to be added to the database
						MR7	JPEG & PNG should be supported

User Story ID	Requirement ID
US1	SR1, SR3, UR1-6
US2	SR1, SR3, UR1-6
US3	SR2, SR3
US4	SR2, PR1-6, MR1-4, MR6-7
US5	SR2, PR4, MR4-5

Happy Path	Sad Path		Happy Path	Sad Path		Happy Path	Sad Path		Happy Path	Sad Path		Happy Path	Sad Path
Given the user is on the login page	Given the user is on the login page		Given the user is on the login page	Given the user is on the login page		Given the user is on the home page	Given the user is on the home page		Given the user is on the home page	Given the user is on the home page		Given the user is on the home page	Given the user is on the home page
When the user accesses the register link	When the user accesses the register link		And the user has a registered account	And the user has a registered account		And the user has previously added valid planet or moon data	And the user has no previously submitted planet or moon data		When the user enters valid planet or moon data	When the user enters invalid planet or moon data		When the user enters valid planet or moon data	When the user enters invalid planet or moon data
When the user provides a valid username	And the user provides invalid credentials		When the user provides valid login credentials	Or the user does not possess an account		Then the user should see the previously added data present on the home page	Or the user has submitted invalid data		And the user presses the submit button	And the user presses the submit button		And the user presses the delete button	And the user presses the delete button
And the user provides a valid password	Then the user should be shown an alert with an error message		Then the user should be logged in	And the user provides invalid login credentials			Then the user should not see any planet or moon data on the home page		Then the table should refresh	Then the user should be shown an alert with an error message		Then the table should refresh	Then the user should be shown an alert with an error message
Then an alert should appear saying "Account created successfully"	And the user should remain on the register page		And the user should be redirected to the home page with a greeting message present	Then the user should be shown an alert with an error message					And the user should remain on the home page	And the user should remain on the home page		And the user should remain on the home page	And the user should remain on the home page
And the user should be redirected to the login page			And the user should remain on the login page						And the newly submitted info should now be present in the table	And the invalid data should not appear on the home page		And the aforementioned data should be removed from the table	And no data should be removed from the table

