

BR ID	Business Requirement	Restrictions	Positive Use Case	Negative Use Case	Acceptance Testing
1	Users should be able to open a new User account with the Planetarium	Passwords should never be visible in plaintext	given the user is on the login page	given the user is on the login page	
		Users should have unique usernames	when the user clicks the create account button	when the user clicks the create account button	
		Usernames and passwords should not be longer than 30 characters	when the user provides a valid name and password and clicks the create button	when the user provides an invalid name and/or password and clicks the create button	
			then the user should be given an alert saying their account has been created successfully	then the user should be given an alert saying their account has not been created successfully	
			and the user should be redirected to the login page	and the user should stay on the registration page	
2	Users should be able to securely access their account	Passwords should never be visible in plaintext	given the user is on the login page	given the user is on the login page	User should see some confirmation that it is their account logged in on the home page
		Only logged in Users should be able to access the Planetarium home page	when the user provides their username and matching password and click lthe login button	when the user provides a non existing username and password pairing	Displayed information about the Planets should be intuitive (using user's or Planet's name as the owner of Planets or Moons respectively)
			then the user should be redirected to the home page	then the user should be given an alert saying the login was unsuccessful	
				then the user should stay on the login page with their ientered username and password	
			given the user is on the home page		
			when the user selects the Logout button		
		then the user should be redirected to the login page			
3	Users should be able to see planets and moons added to the Planetarium	Only logged in Users should be able to access the Planetarium home page	given the user is on the home page and logged in	given the user is on the home page and logged in	Spacing for planets and moon without images should be consistent
			when the database contains planets and moons	when the database contains 0 planets and moons	
			then the user should see all planets and moons in a list with their information	then the user should see the home page with no planets or moons	
4	Users should be able to add new Planets to the Planetarium	Planet names should not have more than 30 characters	given the user is on the home page and logged in	given the user is on the home page and logged in	Added Planets should be added at the top or the page should jump in the list to the new Planet
		Planets should have unique names	when the user enters a valid planet name and uploads a valid file and click Submit Planet button	when the user enters an invalid planet name and/or invalid image file	Form should exist from the start rather than having to select Planet from dropdown.
		Planets should be owned by the user that added it	then the user should stay on the home page with the new planet displayed with name, user's id, and image	then the user should be given an alert saying a planet was not added	

		Planet image should not be required for the data to be added to the database	when the user enters a valid planet name and no image file and click Submit Planet button	then the user should stay on the home page with no new planets	
		Invalid vs Valid Image Not Specified?	then the user should stay on the home page with the new planet displayed with name, user's id		
5	Users should be able to remove Planets from the Planetarium	Users should only be able to delete Planets that they own	given the user is on the home page and logged in	given the user is on the home page and logged in	
		What happens if Planet has a Moon? Should it fail or also delete the moon?	when the user selects Planet and inputs valid Planet name that they own and clicks Delete button	when the user selects Planet and inputs invalid Planet name and/or inputs a Planet name that they do not own and clicks Delete button	
			then the user should be given an alert that the Planet was deleted	then the user should be given an alert that a Planet was not deleted	
			then the user should stay on the home page with one planet removed	the the user should stay on the home page with no changes	
6	Users should be able to add Moons to the Planetarium associated with a Planet	Moon names should not have more than 30 characters	given the user is on the home page and logged in	given the user is on the home page and logged in	Added Moons should be added at the top or the page should jump in the list to the new Moon
		Moons should have unique names	when the user selects Moon and inputs a valid Moon name, a valid Planet, with or without an image file and clicks Submit Moon	when the user selects Moon and inputs an invalid Moon name, and/or an invalid Planet, and/or invalid image file and clicks Submit Moon	Form should exist from the start rather than having to select Moon from dropdown.
		Moons should be "owned" by the Planet the User adding the moon associated it with	then the user should be given an alert that a Moon was created	then the user should be given an alert that a Moon was not created	
		Moon image should not be required for the data to be added to the database	then the user should stay on the home page with new Moon displayed in list	then the user should stay on the home page with no changes	
		Does user have to own planet to be a valid planet associated with moon?			
7	Users should be able to remove Moons from the Planetarium	Users should only be able to delete Moons if they own the Planet that owns the Moon	given the user is on the home page and logged in	given the user is on the home page and logged in	
			when the user selects Moon and inputs valid Moon name that they own the associated Planet of and clicks Delete button	when the user selects Planet and/or inputs invalid Moon name and/or inputs a Moon name that they do not own the associated Planet and clicks Delete button	
			then the user should be given an alert that the Moon was deleted	then the user should be given an alert that a Moon was not deleted	
			then the user should stay on the home page with one moon removed	the the user should stay on the home page with no changes	