#### Feature: Add Planet and Moon Data

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

## **Background:** Starting Actions

**3 Given** the user is logged in on the home page

```
org.openga.selenium.UnhandledAlertException: unexpected alert open: {Alert text : invalid moon name}
  (Session info: chrome=131.0.6778.205): invalid moon name
Build info: version: '4.23.0', revision: '4df0a231af'
System info: os.name: 'Windows 10', os.arch: 'amd64', os.version: '10.0', java.version: '11.0.25'
Driver info: org.openqa.selenium.chrome.ChromeDriver
Command: [95ef49c86c1501a2d16b84839d7c1cfe, get {url=http://localhost:8080/}]
Capabilities {acceptInsecureCerts: false, browserName: chrome, browserVersion: 131.0.6778.205, chrome: {chromedriverV
Session ID: 95ef49c86c1501a2d16b84839d7c1cfe
        at org.openqa.selenium.remote.codec.w3c.W3CHttpResponseCodec.decode(W3CHttpResponseCodec.java:136)
        at org.openqa.selenium.remote.codec.w3c.W3CHttpResponseCodec.decode(W3CHttpResponseCodec.java:50)
        at org.openga.selenium.remote.HttpCommandExecutor.execute(HttpCommandExecutor.java:190)
        at org.openqa.selenium.remote.service.DriverCommandExecutor.invokeExecute(DriverCommandExecutor.java:216)
        at org.openga.selenium.remote.service.DriverCommandExecutor.execute(DriverCommandExecutor.java:174)
        at org.openga.selenium.remote.RemoteWebDriver.execute(RemoteWebDriver.java:527)
        at org.openga.selenium.remote.RemoteWebDriver.get(RemoteWebDriver.java:302)
        at com.revature.poms.LoginPage.setUpLoggedInUser(LoginPage.java:30)
        at com.revature.steps.ViewSteps.the_user_is_logged_in_on_the_home_page(ViewSteps.java:14)
        at *.the user is logged in on the home page(classpath:features/AddCelestialObjects.feature:5)
```

# Scenario Outline: The user can only add planets with valid planet data

- ♥ When the user selects the planet option
- And the user provides new valid planet data "<Planetname>"
- And the user hits submit
- Then the table refreshes "<Planetname>"

• And the user is redirected to the homepage

### **Examples:**



# Scenario Outline: The user can only add moons with valid moon data

- When the user selects the moon option
- And the user provides a moonname "<Moonname>"

- And the user provides a planet id "<PlanetId>"
- And the user hits submit
- Then the table updates moonname "<Moonname>"
- And the user is redirected to the homepage

# **Examples:**

|          | Moonname        | PlanetId |
|----------|-----------------|----------|
| <b>②</b> | Eureka-3 Fire_2 | 1        |
| <b>②</b> | 90Champion      | 2        |
| <b>②</b> | Hermes-2 Lion-1 | 3        |

Scenario Outline: The user can not add planets with invalid planet data

- ♥ When the user selects the planet option
- And the user provides invalid planet data "<Planetname>"
- And the user hits submit
- ▼ Then the user should get a browser alert "<alert>"
- And the user is redirected to the homepage

## **Examples:**

|          | Planetname                        | alert               |
|----------|-----------------------------------|---------------------|
| <b>②</b> | Cleopatra))!!                     | Invalid planet name |
| <b>②</b> | Zeusisthefarthestfromthesun123456 | Invalid planet name |
| <b>②</b> |                                   | Invalid planet name |
| <b>②</b> | Earth                             | Invalid planet name |

Scenario Outline: The user can not add moons with invalid moon name

• When the user selects the moon option

- And the user provides a moonname "<Moonname>"
- And the user provides a planet id "<PlanetId>"
- And the user hits submit
- Then the user should get a browser alert for moon "<alert>"
- And the user is redirected to the homepage

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   org.junit.ComparisonFailure: expected:<[I]nvalid moon name> but was:<[i]nvalid moon name>
            at org.junit.Assert.assertEquals(Assert.java:117)
            at org.junit.Assert.assertEquals(Assert.java:146)
            at com.revature.steps.AddCelestial.the_user_should_get_a_browser_alert_for_moon(AddCelestial.java:105)
            at *.the user should get a browser alert for moon "Invalid moon name"(classpath:features/AddCelestialObjec
8
   org.openga.selenium.UnhandledAlertException: unexpected alert open: {Alert text : invalid moon name}
      (Session info: chrome=131.0.6778.205): invalid moon name
   Build info: version: '4.23.0', revision: '4df0a231af'
   System info: os.name: 'Windows 10', os.arch: 'amd64', os.version: '10.0', java.version: '11.0.25'
   Driver info: org.openga.selenium.chrome.ChromeDriver
   Command: [95ef49c86c1501a2d16b84839d7c1cfe, get {url=http://localhost:8080/}]
   Capabilities {acceptInsecureCerts: false, browserName: chrome, browserVersion: 131.0.6778.205, chrome: {chromedrive
   Session ID: 95ef49c86c1501a2d16b84839d7c1cfe
            at org.openqa.selenium.remote.codec.w3c.W3CHttpResponseCodec.decode(W3CHttpResponseCodec.java:136)
            at org.openga.selenium.remote.codec.w3c.W3CHttpResponseCodec.decode(W3CHttpResponseCodec.java:50)
            at org.openga.selenium.remote.HttpCommandExecutor.execute(HttpCommandExecutor.java:190)
            at org.openga.selenium.remote.service.DriverCommandExecutor.invokeExecute(DriverCommandExecutor.java:216)
            at org.openga.selenium.remote.service.DriverCommandExecutor.execute(DriverCommandExecutor.java:174)
            at org.openga.selenium.remote.RemoteWebDriver.execute(RemoteWebDriver.java:527)
            at org.openqa.selenium.remote.RemoteWebDriver.get(RemoteWebDriver.java:302)
            at com.revature.poms.LoginPage.setUpLoggedInUser(LoginPage.java:30)
```

at com.revature.steps.ViewSteps.the\_user\_is\_logged\_in\_on\_the\_home\_page(ViewSteps.java:14)
at \*.the user is logged in on the home page(classpath:features/AddCelestialObjects.feature:5)

Krypton)))!!

## Scenario Outline: The user can not add moons with invalid planet id

- When the user selects the moon option
- And the user provides a moonname "<Moonname>"
- And the user provides a planet id "<PlanetId>"
- And the user hits submit
- ▼ Then the user should get a browser alert "<alert>"
- And the user is redirected to the homepage

## **Examples:**

|          | Moonname    | PlanetId | alert             |
|----------|-------------|----------|-------------------|
| <b>②</b> | Kryptonite3 | 300      | Invalid planet id |

@US2 @SR1 @SR3 @UR1 @UR2 @UR3 @UR4 @UR5 @UR6

Feature: User Login

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

# **Background:** Login Starting Actions

Given the user is on the login page

#### Scenario Outline: Password characters are not visible

- ▼ When the user provides password "<password>"
- ▼ Then the password will never be visible in plain text

## **Examples:**

|          | username | password         | alert               |
|----------|----------|------------------|---------------------|
| <b>②</b> | Batman   | Krypton-was_2000 | Invalid credentials |

# Scenario: The user can only see the homepage when logged in

- When the user provides a valid username
- And the user provides a valid password
- And the user submits the credentials
- And then the user has logged out of the secure environment
- **▼ Then** the user can't see the homepage

## Scenario Outline: The user can't log in with invalid credentials

- ♥ When the user provides username "<username>"
- And the user provides password "<password>"
- And the user submits the credentials
- ▼ Then the user should get a browser alert saying "<alert>"
- And the user should be redirected to the login page

|          | username | password         | alert               |
|----------|----------|------------------|---------------------|
| <b>②</b> | Batman   | Krypton-was_2000 | Invalid credentials |
| <b>②</b> | Ca12     | lamthenight1939  | Invalid credentials |

✓ ② classpath:features/Registration.feature

@US1 @SR1

Feature: User Registration

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

## **Background:** Registration Starting Actions

- Given the user is on the login page
- And the user clicks the register link

## **Scenario:** Users can register a new account with valid credentials

- When the user provides a valid username
- And the user provides a valid password
- And the user submits the credentials
- Then the user should get a browser alert saying "Account created successfully"

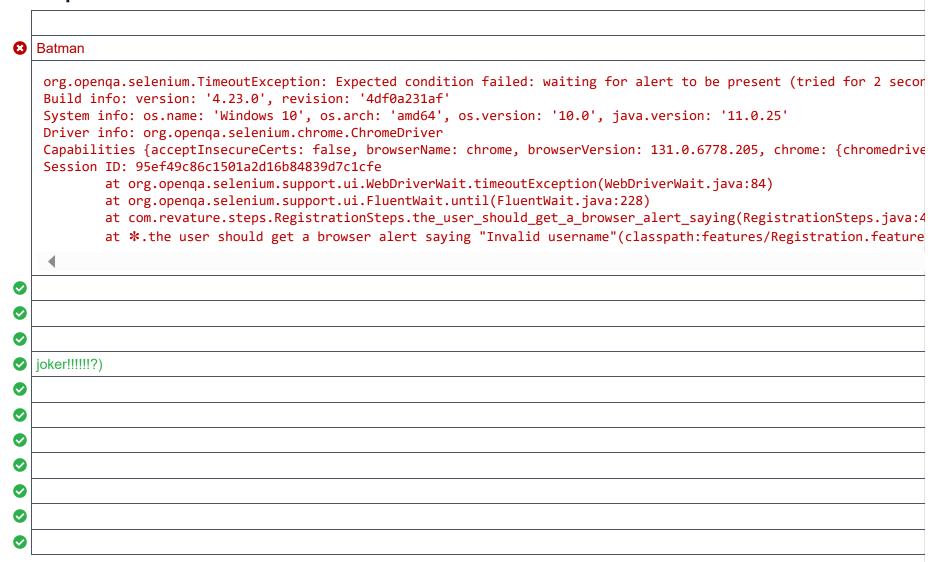
```
org.openqa.selenium.TimeoutException: Expected condition failed: waiting for alert to be present (tried for 2 second( Build info: version: '4.23.0', revision: '4df0a231af'
System info: os.name: 'Windows 10', os.arch: 'amd64', os.version: '10.0', java.version: '11.0.25'
Driver info: org.openqa.selenium.chrome.ChromeDriver
Capabilities {acceptInsecureCerts: false, browserName: chrome, browserVersion: 131.0.6778.205, chrome: {chromedriverV Session ID: 95ef49c86c1501a2d16b84839d7c1cfe
    at org.openqa.selenium.support.ui.WebDriverWait.timeoutException(WebDriverWait.java:84)
    at org.openqa.selenium.support.ui.FluentWait.until(FluentWait.java:228)
    at com.revature.steps.RegistrationSteps.the_user_should_get_a_browser_alert_saying(RegistrationSteps.java:46)
    at *.the user should get a browser alert saying "Account created successfully"(classpath:features/RegistrationSteps.Patental)
```

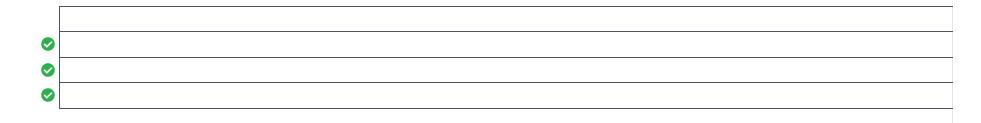
• And the user should be redirected to the login page

@UR1 @UR2 @UR3 @UR4 @UR5 @UR6

Scenario Outline: Users can not register a new account with invalid credentials

- ♥ When the user provides username "<username>"
- And the user provides password "<password>"
- And the user submits the credentials
- ☼ Then the user should get a browser alert saying "<alert>"
- And the user should stay on the registration page





✓ S classpath:features/RemoveCelestialObjects.feature

#### Feature: Delete Planet and Moon Data

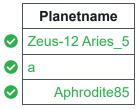
As a user I want to delete planets and moons in the Planetarium so I can correct my findings

## **Background:** Starting Actions

Given the user is logged in on the home page

# Scenario Outline: The user can only delete planets with valid planet names

- ♥ When the user selects the planet option
- And the user provides planet data for deletion "<Planetname>"
- And the user hits submit to delete
- ▼ Then the celestial object is deleted and the table refreshes "<Planetname>"
- And the user is redirected to the homepage



| Scenario Outline: The user can only delete moons with valid moon names                         |  |  |
|--|--|--|
|  |  |  |
| And the user provides moon data for deletion " <moonname>"</moonname>                          |  |  |
| And the user hits submit to delete   |  |  |
| <b>℧ Then</b> the celestial object is deleted and the table refreshes " <moonname>"</moonname> |  |  |
| <ul> <li>And the user is redirected to the homepage</li> </ul>                                 |  |  |
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| Examples:  |  |  |
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```
org.openga.selenium.UnhandledAlertException: unexpected alert open: {Alert text : Invalid moon name}
  (Session info: chrome=131.0.6778.205): Invalid moon name
Build info: version: '4.23.0', revision: '4df0a231af'
System info: os.name: 'Windows 10', os.arch: 'amd64', os.version: '10.0', java.version: '11.0.25'
Driver info: org.openga.selenium.chrome.ChromeDriver
Command: [95ef49c86c1501a2d16b84839d7c1cfe, findElements {using=tag name, value=td}]
Capabilities {acceptInsecureCerts: false, browserName: chrome, browserVersion: 131.0.6778.205, chrome: {chromedrive
Session ID: 95ef49c86c1501a2d16b84839d7c1cfe
        at org.openqa.selenium.remote.codec.w3c.W3CHttpResponseCodec.decode(W3CHttpResponseCodec.java:136)
        at org.openga.selenium.remote.codec.w3c.W3CHttpResponseCodec.decode(W3CHttpResponseCodec.java:50)
        at org.openga.selenium.remote.HttpCommandExecutor.execute(HttpCommandExecutor.java:190)
        at org.openga.selenium.remote.service.DriverCommandExecutor.invokeExecute(DriverCommandExecutor.java:216)
        at org.openga.selenium.remote.service.DriverCommandExecutor.execute(DriverCommandExecutor.java:174)
        at org.openga.selenium.remote.RemoteWebDriver.execute(RemoteWebDriver.java:527)
        at org.openga.selenium.remote.ElementLocation$ElementFinder$2.findElements(ElementLocation.java:182)
        at org.openga.selenium.remote.ElementLocation.findElements(ElementLocation.java:103)
        at org.openga.selenium.remote.RemoteWebDriver.findElements(RemoteWebDriver.java:370)
        at org.openga.selenium.remote.RemoteWebDriver.findElements(RemoteWebDriver.java:364)
        at org.openga.selenium.support.pagefactory.DefaultElementLocator.findElements(DefaultElementLocator.java:83
        at org.openga.selenium.support.pagefactory.internal.LocatingElementListHandler.invoke(LocatingElementListHa
        at com.sun.proxy.$Proxy16.size(Unknown Source)
        at com.revature.steps.RemoveCelestial.theCelestialObjectIsDeletedAndTheTableRefreshes(RemoveCelestial.java:
        at *.the celestial object is deleted and the table refreshes "Hermes-2 Lion-1"(classpath:features/RemoveCe
```

# Scenario Outline: The user can not delete planets with invalid planet names

- When the user selects the planet option
- And the user provides planet data for deletion "<Planetname>"
- Then the user should get a browser alert "<alert>"
- And the user is redirected to the homepage



```
org.openqa.selenium.TimeoutException: Expected condition failed: waiting for alert to be present (tried for 2 secor Build info: version: '4.23.0', revision: '4df0a231af'

System info: os.name: 'Windows 10', os.arch: 'amd64', os.version: '10.0', java.version: '11.0.25'

Driver info: org.openqa.selenium.chrome.ChromeDriver

Capabilities {acceptInsecureCerts: false, browserName: chrome, browserVersion: 131.0.6778.205, chrome: {chromedrive Session ID: 95ef49c86c1501a2d16b84839d7c1cfe
    at org.openqa.selenium.support.ui.WebDriverWait.timeoutException(WebDriverWait.java:84)
    at org.openqa.selenium.support.ui.FluentWait.until(FluentWait.java:228)
    at com.revature.steps.AddCelestial.the_user_should_get_a_browser_alert(AddCelestial.java:89)
    at *.the user should get a browser alert "Invalid planet name"(classpath:features/RemoveCelestialObjects.f
```

#### Scenario Outline: The user can not delete moons with invalid moon names

- When the user selects the moon option
- And the user provides moon data for deletion "<Moonname>"
- **Then** the user should get a browser alert for moon "<alert>"
- And the user is redirected to the homepage

```
org.openqa.selenium.TimeoutException: Expected condition failed: waiting for alert to be present (tried for 2 secor Build info: version: '4.23.0', revision: '4df0a231af'
System info: os.name: 'Windows 10', os.arch: 'amd64', os.version: '10.0', java.version: '11.0.25'
Driver info: org.openqa.selenium.chrome.ChromeDriver
Capabilities {acceptInsecureCerts: false, browserName: chrome, browserVersion: 131.0.6778.205, chrome: {chromedrive Session ID: 95ef49c86c1501a2d16b84839d7c1cfe
    at org.openqa.selenium.support.ui.WebDriverWait.timeoutException(WebDriverWait.java:84)
    at org.openqa.selenium.support.ui.FluentWait.until(FluentWait.java:228)
    at com.revature.steps.AddCelestial.the_user_should_get_a_browser_alert_for_moon(AddCelestial.java:101)
    at *.the user should get a browser alert for moon "Invalid moon name"(classpath:features/RemoveCelestialOb
```

✓ ✓ classpath:features/ViewOwnedResources.feature

@US3 @SR2 @SR3

Feature: View User Planets and Moons

As a user I want to see my planets and moons added to the Planetarium so I can track my findings @PR4 @MR4

**Scenario:** Login should allow for viewing owned resources

- ☑ Given the user is logged in on the home page
- Then they should see their planets and moons

**Scenario:** Users not logged in should not be able to view the home page and its resources

- Given the user is not logged in
- ♥ When the user tries to directly access the home page
- Then the user should be denied access