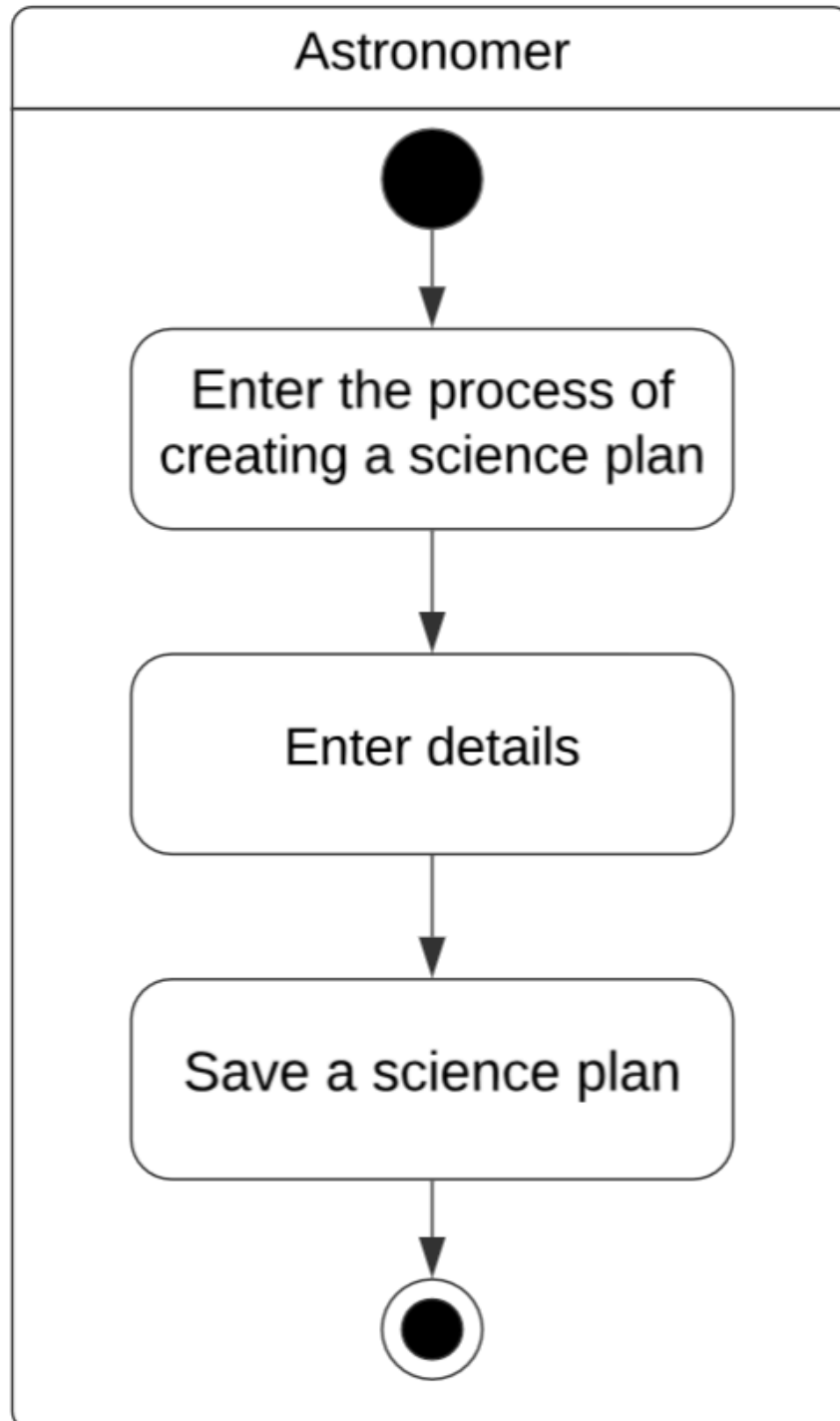


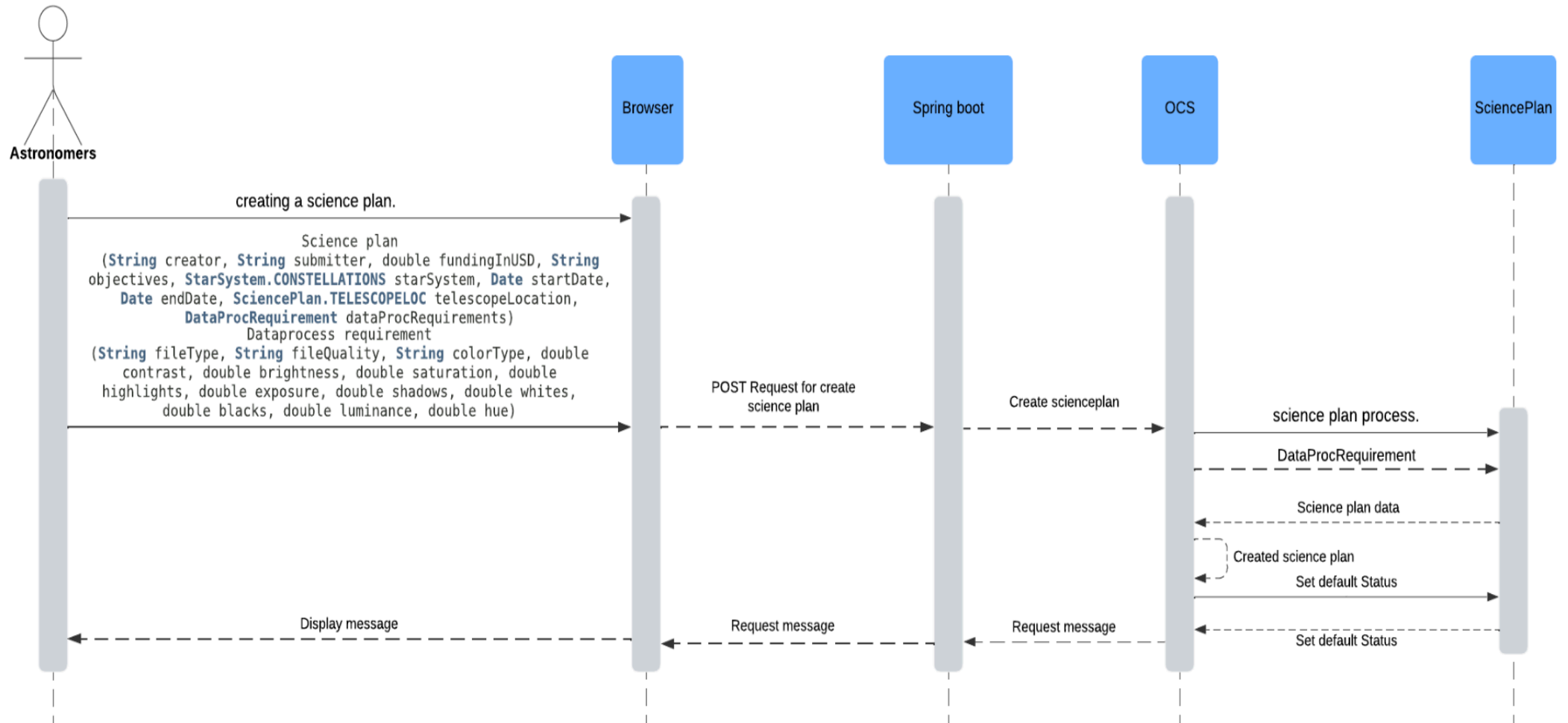
Create a Science Plan 01

Use Case Name: Create a Science Plan	ID: 01	Importance Level: High
Primary Actor: Astronomers		Use Case Type: Essential
Stakeholders and Interests: <ul style="list-style-type: none">• Astronomers: Create a science plan		
Brief Description: <p>Astronomers create a science plan by outlining the necessary details and required resource allocations for the research project.</p>		
Trigger: Starting a new research project or the need to create a scientific plan. Type: Internal		
Relationships: Association: Astronomer Include: - Extend: - Generalization: -		
Normal Flow of Events: <ol style="list-style-type: none">1. Astronomers log in to the system.2. Astronomers enter the process of creating a science plan.3. Astronomers fill in the details and create a science plan.		
Sub flows: -		
Alternate/Exceptional Flow: -		

Activity diagram “Create Science Plan”



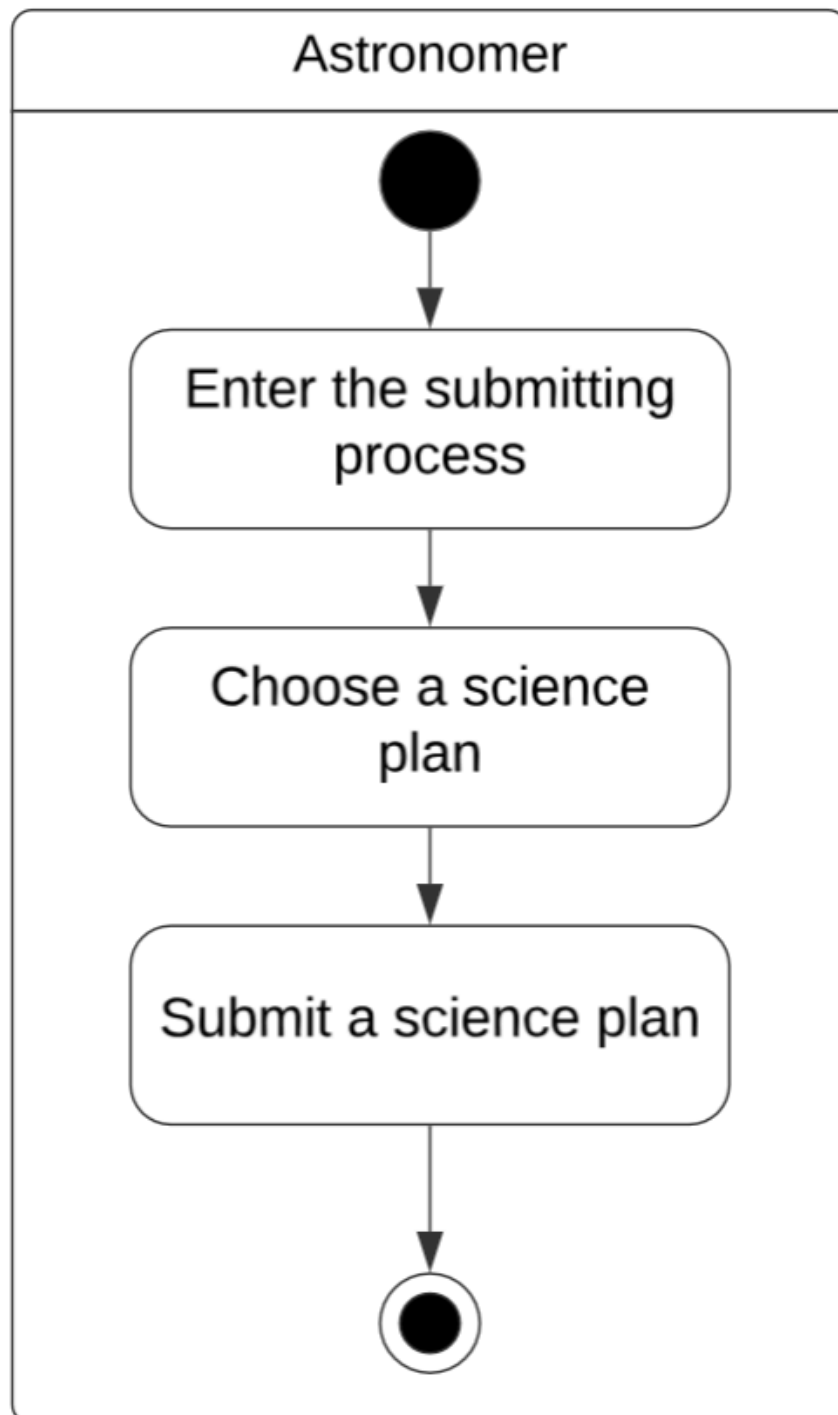
Sequence diagram “Create Science Plan”



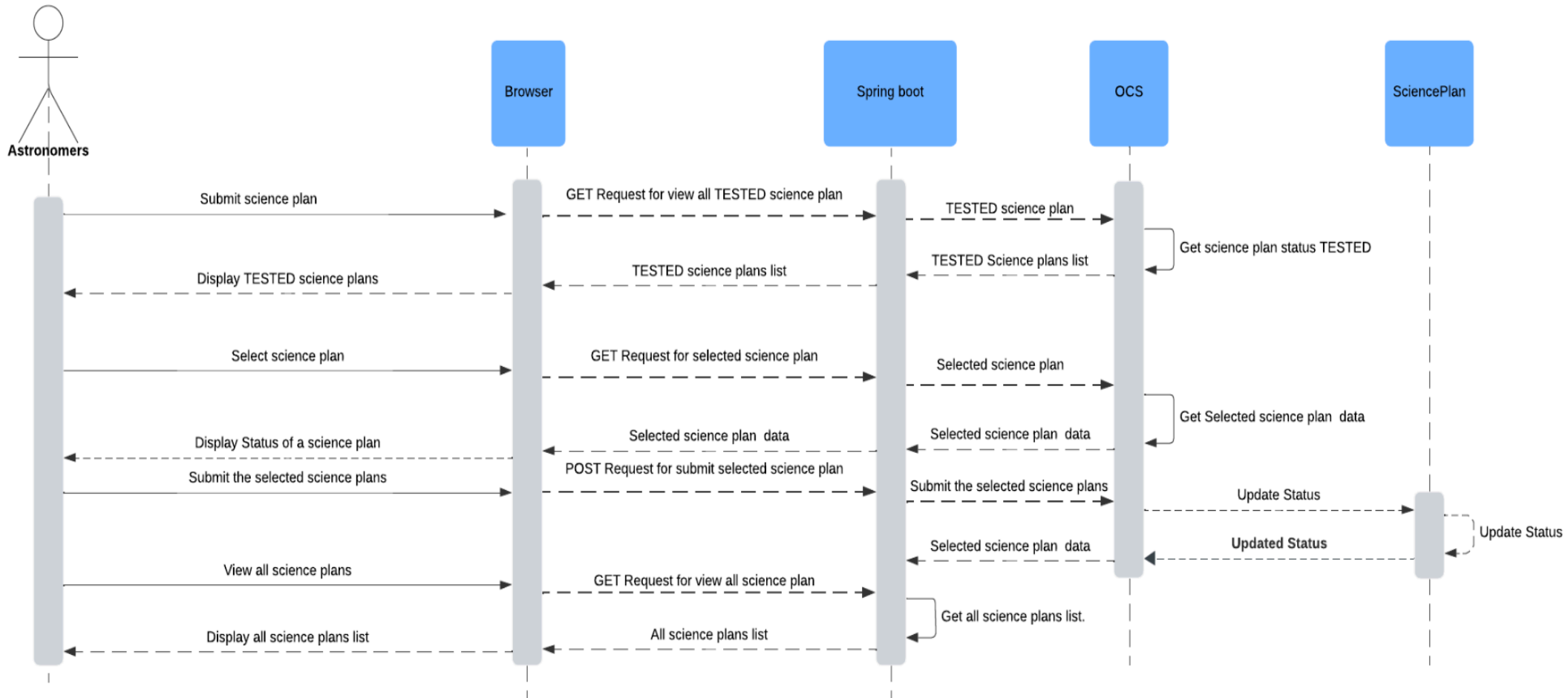
Submit Science Plan 02

Use Case Name: Submit Science Plan	ID: 02	Importance Level: High
Primary Actor: Astronomer		Use Case Type: Essential
Stakeholders and Interests: <ul style="list-style-type: none">• Astronomers: Submit a science plan to the OCS.		
Brief Description: Astronomers select science plans with TESTED status and submit them to the system.		
Trigger: Astronomers submit the science plan to the OCS. Type: Internal		
Relationships: Association: Astronomer Include: - Extend: - Generalization: -		
Normal Flow of Events: <ol style="list-style-type: none">1. Astronomers enter the submitting process.2. Astronomers select science plans and submits.		
Sub flows: -		
Alternate/Exceptional Flow: -		

Activity diagram “Submit Science Plan ”



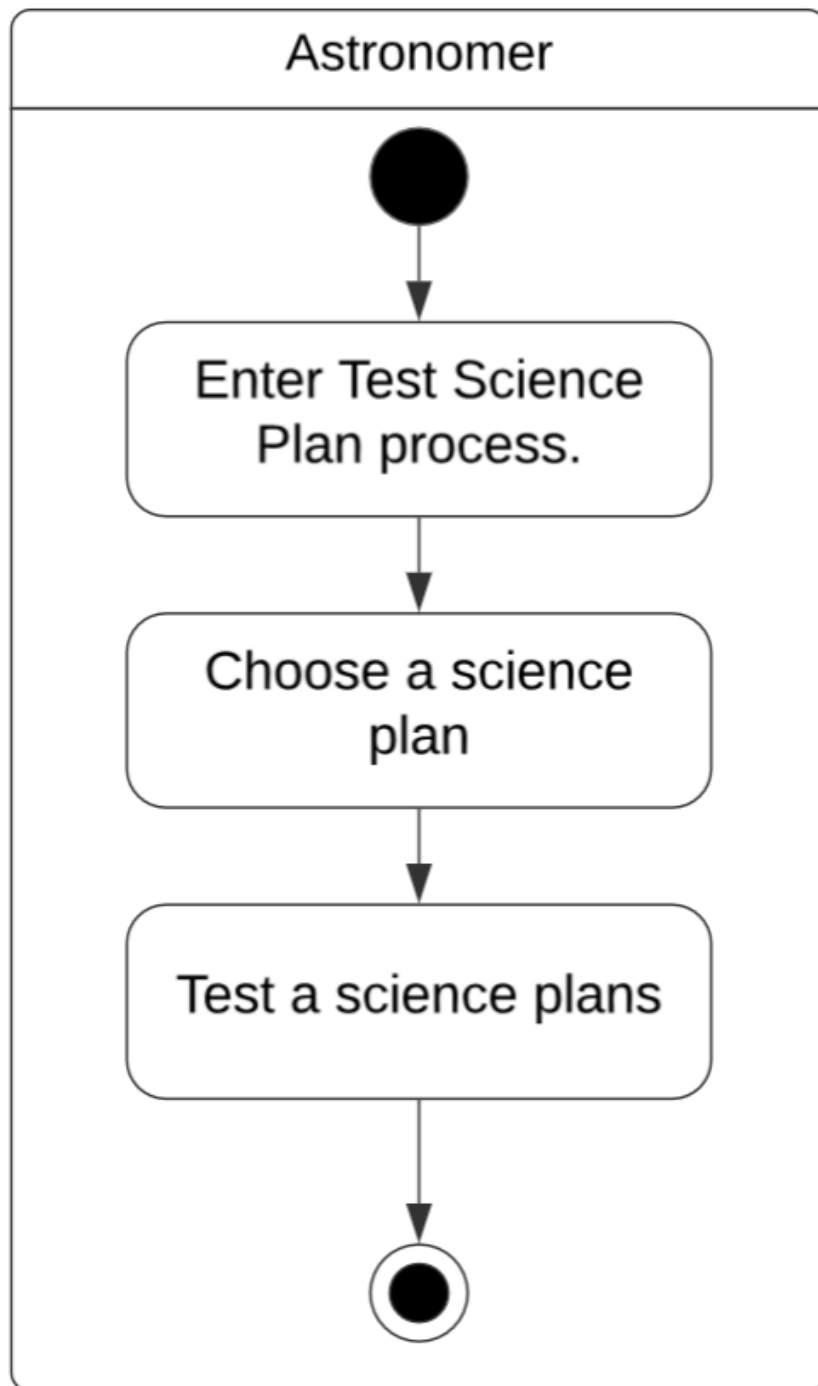
Sequence diagram “Submit Science Plan”



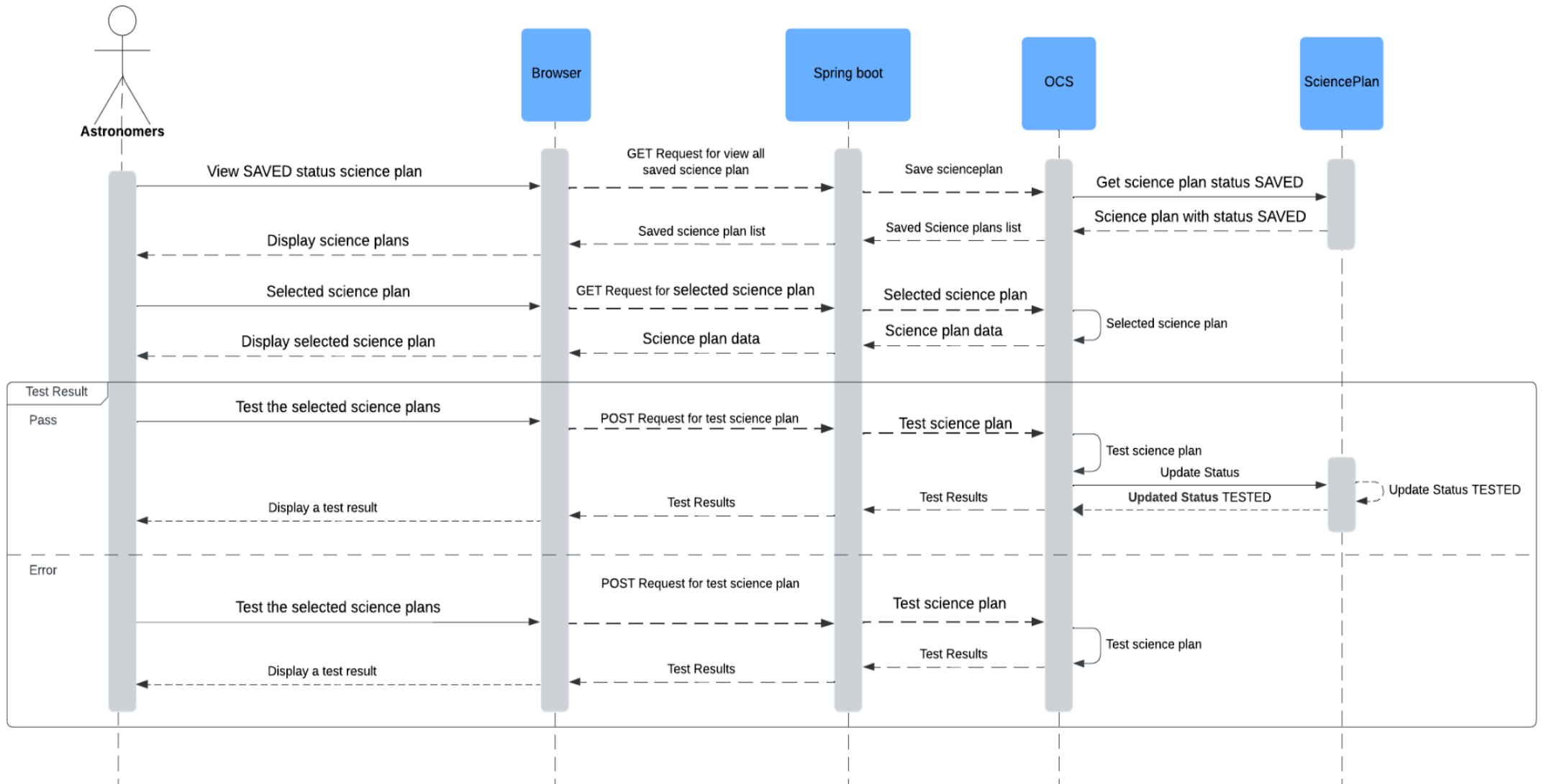
Test Science Plan 03

Use Case Name: Test Science Plan	ID: 03	Importance Level: High
Primary Actor: Astronomers		Use Case Type: Essential
Stakeholders and Interests: <ul style="list-style-type: none">• Astronomers: Test a science plan in an OCS system		
Brief Description: <p>After saving the science plan into the system Astronomers will conduct tests to see if the science plan is successful or has errors.</p>		
Trigger: Astronomers test science plan. Type: Internal		
Relationships: Association: - Include: - Extend: - Generalization: -		
Normal Flow of Events: <ol style="list-style-type: none">1. Astronomers enter the Test Science Plan process.2. Astronomers select science plans.3. Astronomers test the selected science plans.		
Sub flows: -		
Alternate/Exceptional Flow: <ul style="list-style-type: none">• If the test passes The Science Plan Status is changed to TESTED.• If not, the status will be the same.		

Activity diagram “Test Science Plan”



Sequence diagram “Test Science Plan”



Class diagram

