*Florida International University*

*School of Computing and Information Sciences*

Software Engineering Focus

Feature Document

User Story #679 View Merge Sort Scene

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**Project:** WEBVR 1.0

**Product Owner(s)**: Francisco Ortega

**Mentor(s)**: Francisco Ortega

**Instructor**: Masoud Sadjadi

**User Story Name:** View Merge Sort Scene

* Description: As a user I would like to see data be sorted using Merge Sort so I can see how the data gets split, sorted, and merged.

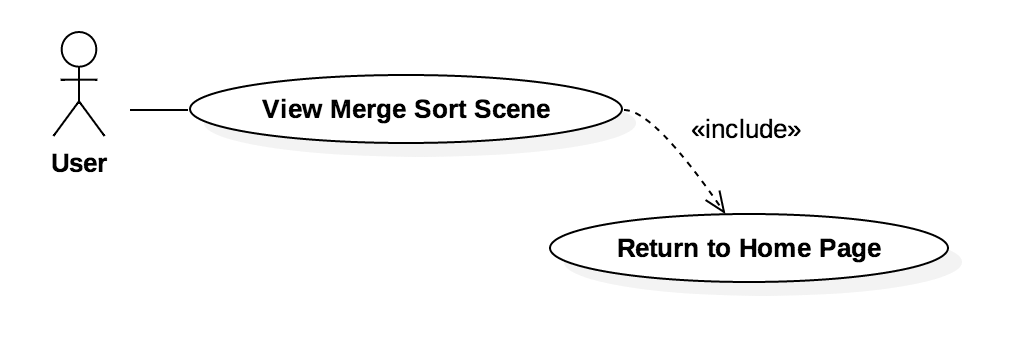
Acceptance Criteria

* The user can see an explanation of the sorting algorithm.
* The animation is not rushed.

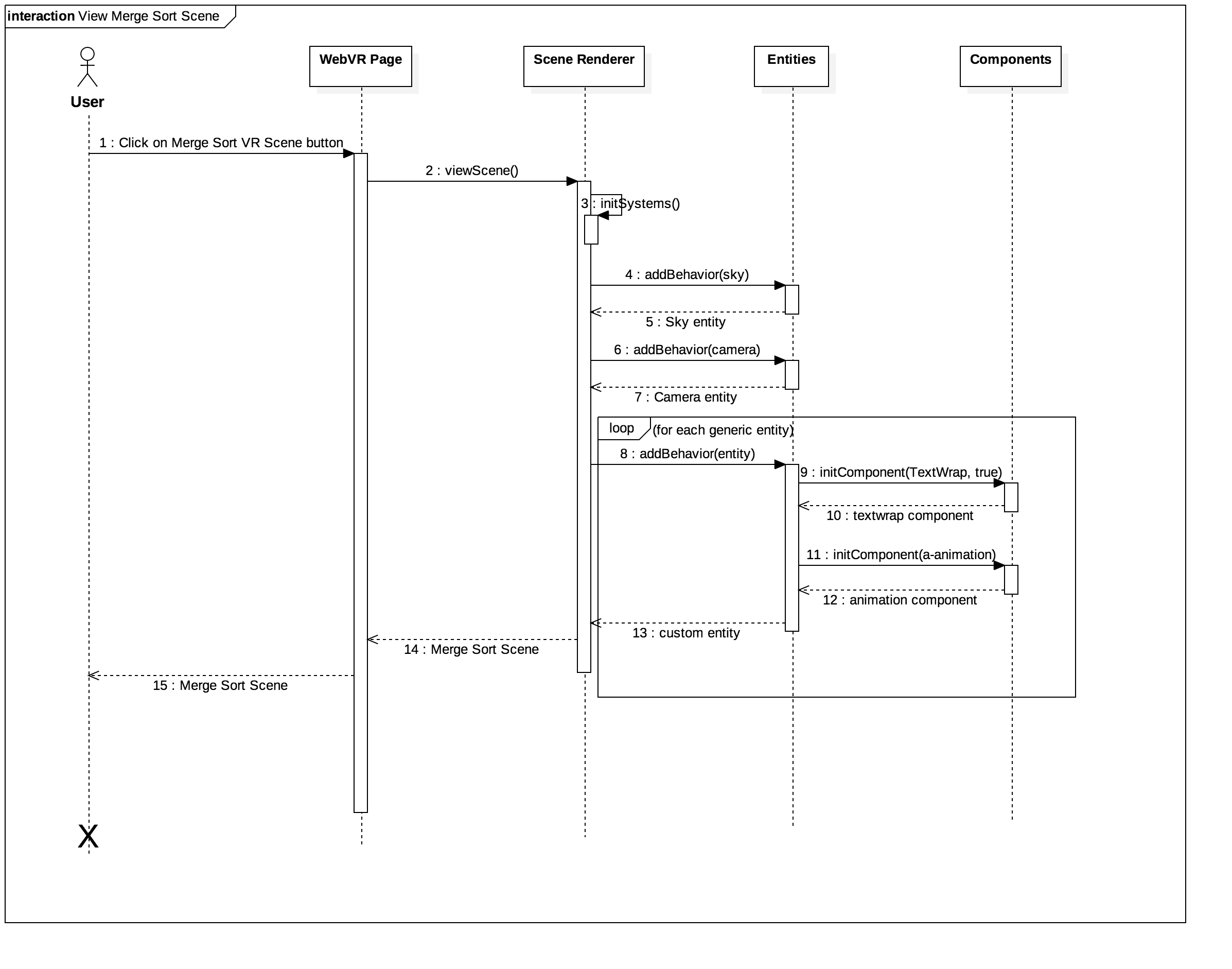
**Use Case**

* Name: View Merge Sort Scene
* Actor: User
* Preconditions: The student is viewing the Web-VR Scenes page in landscape orientation mode.
* Description:
* The user requests from the system to view the Merge Sort scene.
  + The System serves the scene.

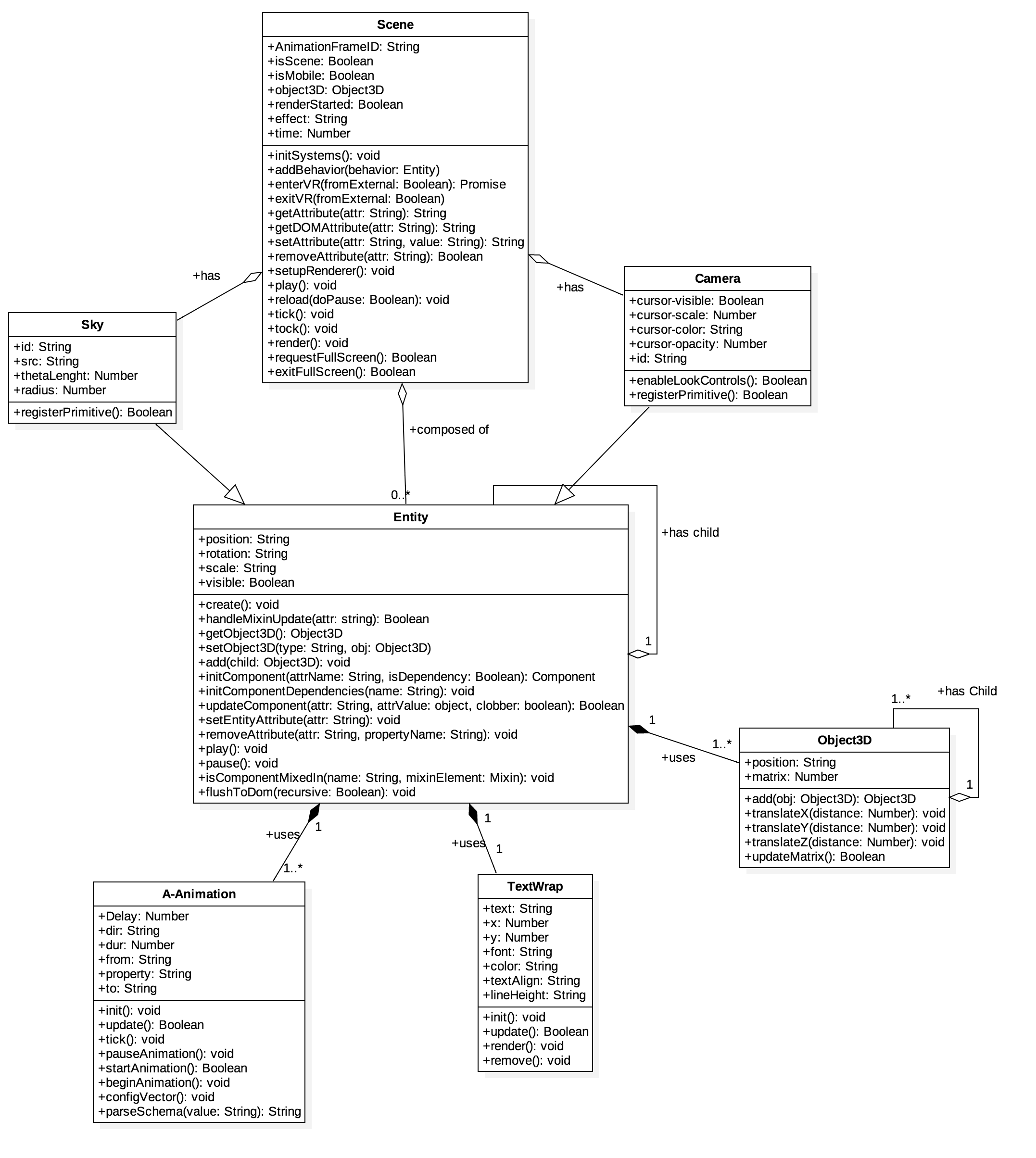
**Use Case Diagram**



**Sequence Diagram**



**Class Diagram**



**Functional Test**

|  |  |
| --- | --- |
| Test Case ID: | WEBVR-EDU-Func-002 |
| Description | Verify that a-animation component is moving the generic entity to a specific location. |
| Pre-condition: | Two a-animation components are attached to an entity with different start times, and positions.  Position1 = “4 4 4” delay=”1000”  Position2 = “5 5 5” delay = “2000” |
| Expected Results: | The entity is moved to position (4, 4, 4) from (0, 0, 0) after 1 second. The entity is moved to position (5, 5, 5) from (4, 4, 4) after two seconds |
| Actual Result; | The entity moved to the specific coordinates at the specified times. |
| Status: | Pass |

**Visual User Guide**

