*Florida International University*

*School of Computing and Information Sciences*

Software Engineering Focus

Feature Document

User Story ID #681 Selection Sort Algorithm Scene

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**Project:**WEB-VR 1.0

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

**Mentor(s)**:

**Instructor**: Masoud Sadjadi

**User Story Name: Selection Sort Algorithm Scene**

**Description:**

* As a user, I would like to see data be sorted using Selection Sort so I can understand the algorithm better.

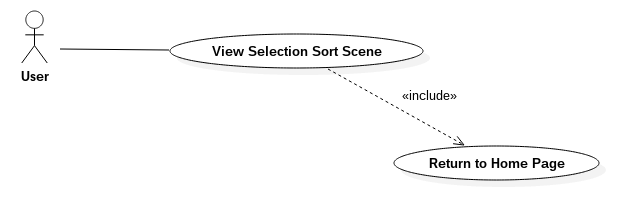
**Acceptance Criteria:**

* The sorting pace is slow enough to not lose distraction.

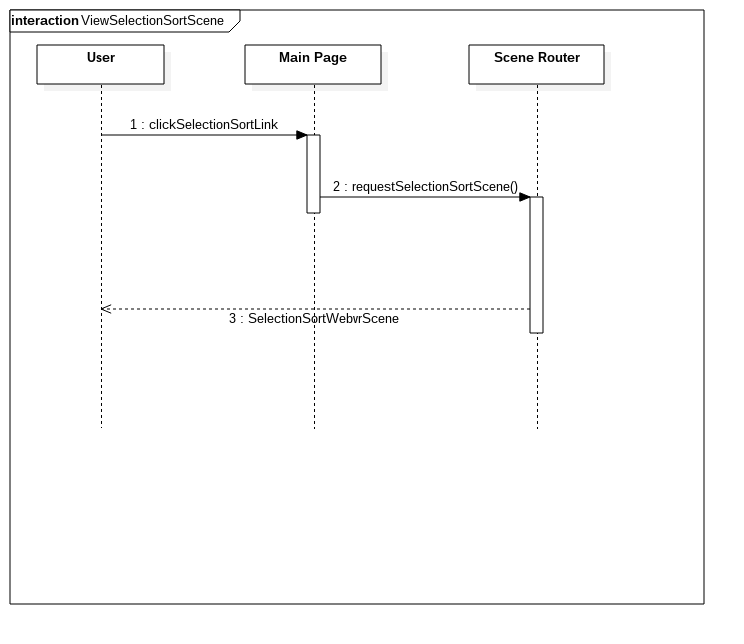
**Use Case**

* Name: View Selection Sort Scene
* Actor: User
* Preconditions: User is viewing the home page.
* Description:
* User requests to view the selection sort scene.
  + The system displays the webvr selection sort
  + scene.

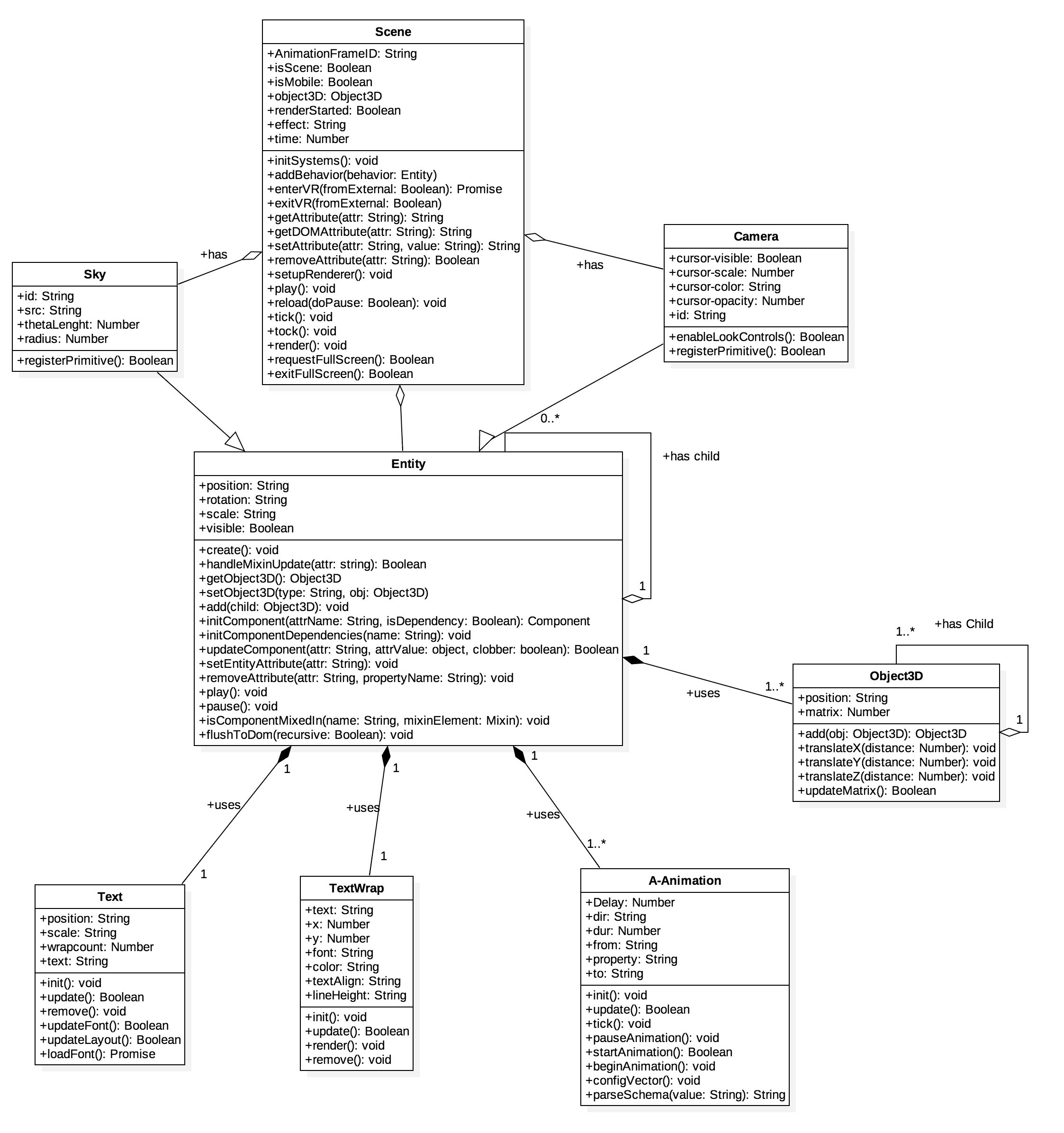
**Use Case Diagram**



**Sequence Diagram**



**Class Diagram**



**Functional Test**

|  |  |
| --- | --- |
| Test Case ID: | WEBVR-EDU-Func-001 |
| Description: | Verify that TextWrap component gets attached to a generic entity. |
| Pre-condition | The Draw dependency of TextWrap has been initialized and a TextWrap component has been attached to a generic entity.  Draw has been set to “background: orange” |
| Expected Results: | Upon rendering the generic entity, it should be colored orange. |
| Actual Results: | The entity is colored orange. |
| Status: | Pass |

**Visual User Guide:**

