*Florida International University*

*School of Computing and Information Sciences*

Software Engineering Focus

Feature Document

User Story ID #691 Stack Interface Scene

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**Project:**WEB-VR 1.0

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

**Mentor(s)**: Francisco Ortega

**Instructor**: Masoud Sadjadi

**User Story Name: Stack Interface Scene**

Description:

* As a user that uses this application, I would like to see a stack data structure be implemented visually, so I can understand better the stack interface.

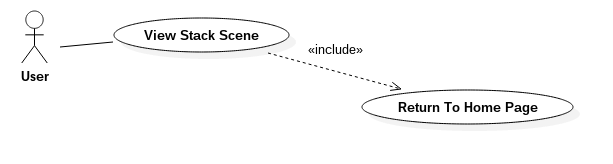
Acceptance Criteria

* System illustrates Pop action.
* System illustrates Push action.
* System illustrates FiFo property.

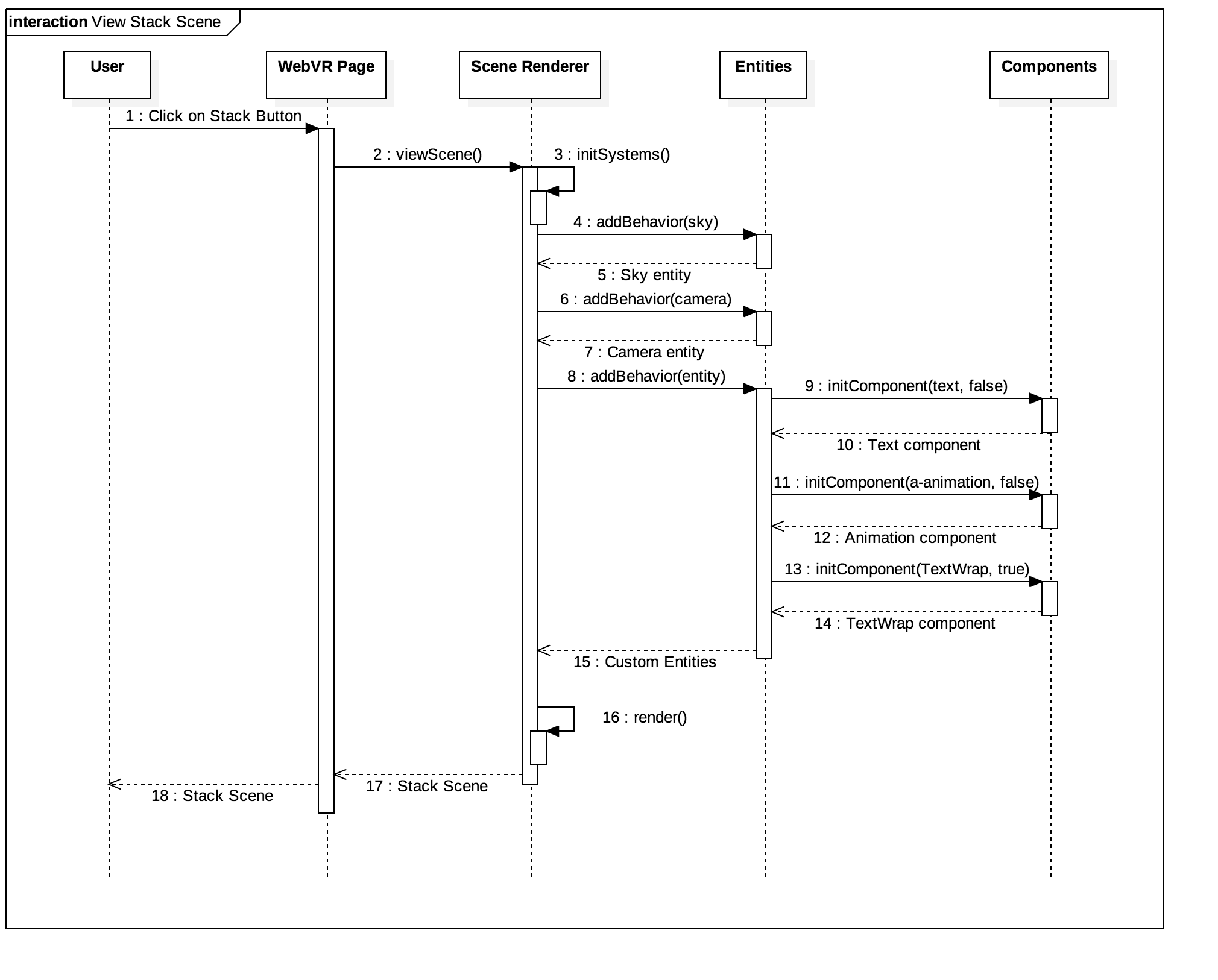
**Use Case**

* Name: View Stack Scene
* Actor: User
* Preconditions: User is viewing the home page in landscape orientation.
* Description:
* User requests from the system to view the webvr stack scene.
  + The system displays the webvr stack scene.

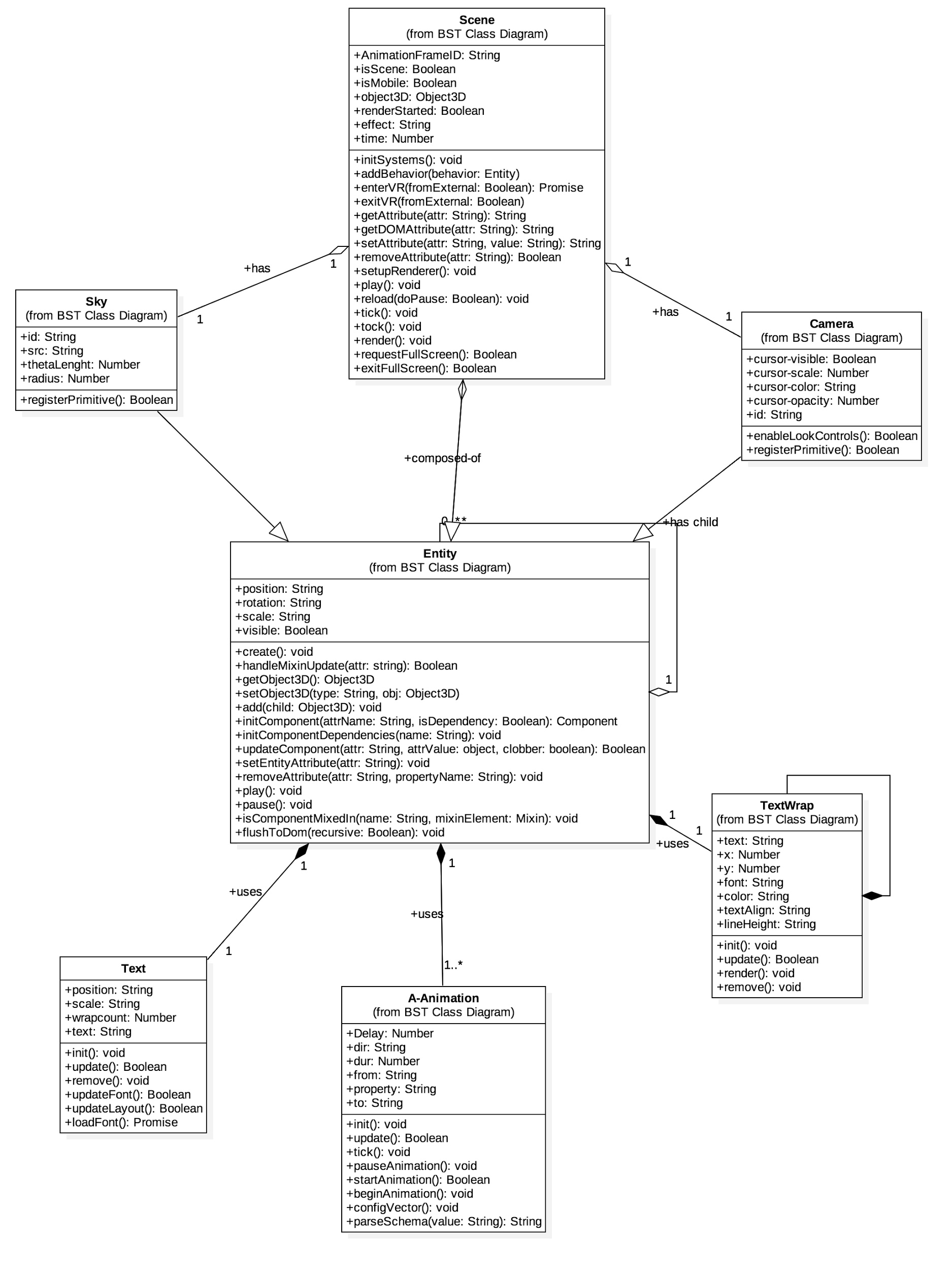
**Use Case Diagram**



**Sequence Diagram**



**Class Diagram**



**Unit Test**

|  |  |
| --- | --- |
| Test Case ID | WEBVR-EDU-U001 |
| Purpose: | To verify that the default font of Arial gets used. |
| Test Setup: | A new Text component object is added to an entity object.  The string for the text field of the Text component is “Hello World” |
| Test Input: | addBehavior(text) is called on the entity object, which calls updateFont() |
| Expected Output: | “Hello World” gets rendered in arial. |
| Status: | Pass |

**Visual User Guide**

