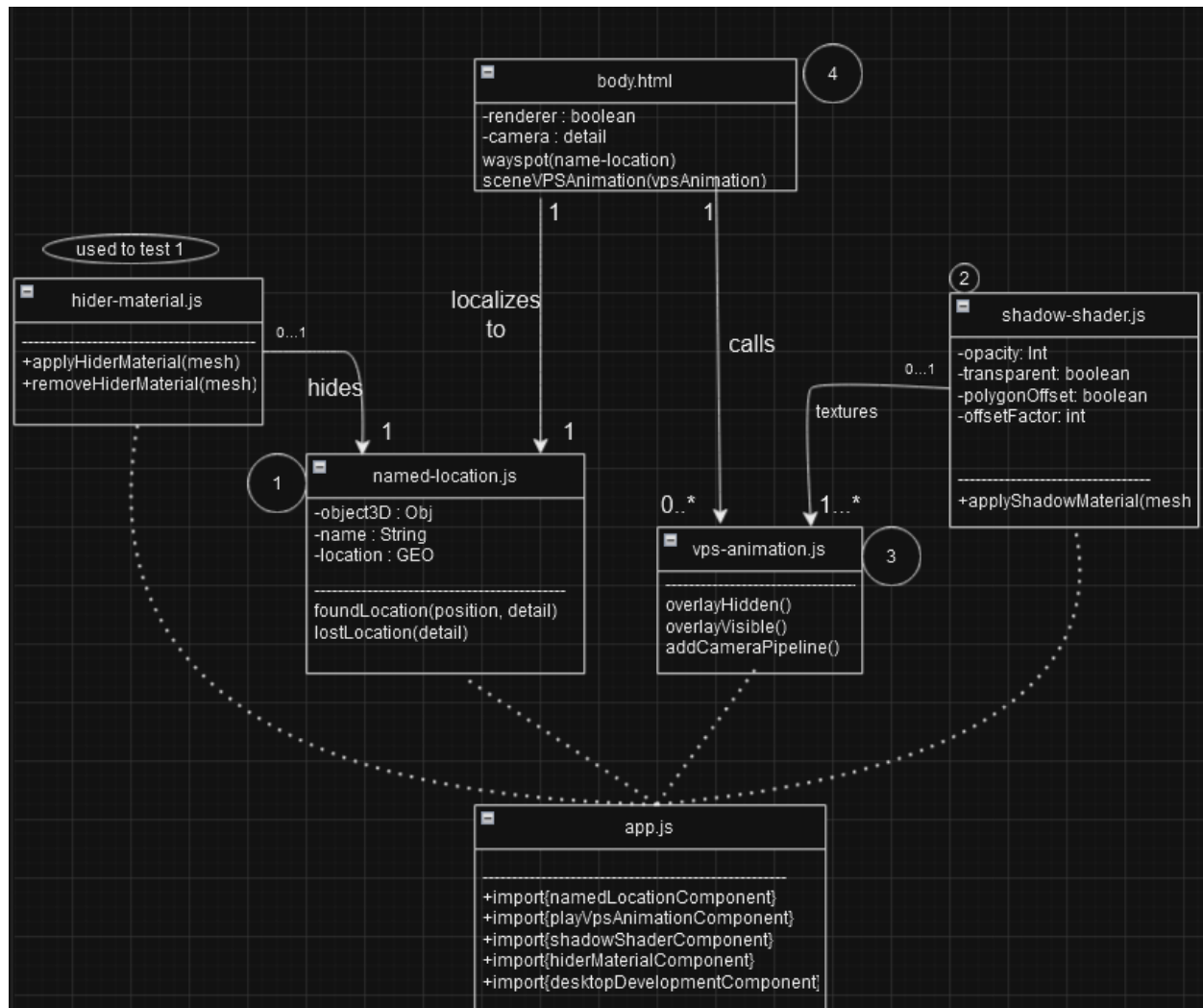


C of Seek
Deliverable 7
JMZ

Zachary Hudelson, Josh Sosa, Mike Cornejo

Order of Class Implementation Diagram:



Least Coupled Class: named-location.js

Updated Operation Contracts with Technical Details for Post-Conditions:

Developing Wayspot

Operation	WayspotDev()
GRASP association	Creator
Cross Reference	Use Case: Developing Wayspot
Precondition	A suitable wayspot has been confirmed on the Wayfarer application
Postcondition	<ul style="list-style-type: none">• Wayspot is active• Wayspot is VPS available• The Wayspot has an available GLB file to use in the project• There have been at least 10 scans of the site• Wayfarer can localize to wayspot• Named-location.js recognizes wayspot path

Viewing AR Experience

Operation	ViewAR()
GRASP association	Info Expert
Cross Reference	Use Case: Viewing AR Experience
Precondition	<ul style="list-style-type: none">• User must have iOS or android device• User must have network access• User must have valid link or QR code• User must allow camera access• User must allow motion sensor• Location must be enabled for browser• Wayspot must be active
Postcondition	AR Experience is successfully accessed by the user. Body.html displays experience from named-location.js

Sharing AR Experience:

Operation	shareExperience()
Cross reference	Use Case: Sharing AR Experience
GRASP association	Info Expert
Precondition	<ul style="list-style-type: none"> • The AR Experience is open • Experience open on iPhone device
Postcondition	(User system side – 8 th wall screen record enabled) Proof of participation is saved.

Developing AR Experience for Wayspot:

Operation	experienceForWayspot()
Cross Reference	Use Case: Developing AR Experience for Wayspot
GRASP association	Controller
Precondition	<ul style="list-style-type: none"> • Wayspot generated via Wayfaerre • GLB file associated to Wayspot is linked to 8th wall project • named-location.js has path to GLB • vps-animation.js has associated 3D rendered object
Postcondition	AR Experience is now mapped onto the Wayspot

Applying Shader:

Operation	applyShader()
Cross Reference	Use Case: N/A
GRASP association	Info Expert

Precondition	<ul style="list-style-type: none"> • Shader value saved in shadow-shader.js • Vps-animation object instantiated • Shader has path to vps-animation object
Postcondition	3D object has depth and shade with realistic shadow.

Hider Material Test:

Operation	applyHiderMaterial()
Cross Reference	Use Case: Localize Test
GRASP association	N/A
Precondition	<ul style="list-style-type: none"> • Wayspot connected to Project • Named-location.js has path to wayspot • Called applyHiderMaterial()
Postcondition	Wayspot hidden in AR, used to test localization point(s).