Question 1 (1 point)	
You are tasked to build a VR escape room game where users will move around to search for clues spatially distributed in a small room. Realness and cybersick are important concerns and augmentation of movement speeds is known to in more symptoms.	ness
What locomotion technique is best suited for this use case?	
○ teleportation	
○ Joystick-based	
walking-in-place (WIP) with KatVR 360 slidemill	
tracking real movement in physical space	
walking-in-place (WIP) with HTC Vive HMD and trackers	
Question 2 (1 point) ✓ Saved	
In the Meta Quest 2 menu, you can use the Quest controllers to navigate to differe apps and configuration settings. What form of interaction authenticity does this implement?	nt
You can view the YouTube sequence below if you're unsure of the interaction described above.	
https://youtu.be/wVkivmMKikU?t=533	

Natural interaction

Artificial augmented natural interaction

Artificial magical interaction

In your WebXR typescript-based app, you want to include and use the Mocha test framework only during development (and not during deployment).

Write the full command (no aliases or short forms) you will type into a command line interface in the project directory (containing package.json) that will fulfil the above requirement using NPM (package is named mocha in NPM).

https://www.npmjs.com/package/mocha

/	npm install	save-dev mocha	A
			2

Question 4 (1 point) Saved

In the Google Cardboard HMD, you want to make the generated virtual image look taller vertically.

What dimension(s) can you change to achieve this?

The same of the sa	
Height of the physical display	
Eye relief	
Width of the physical display	
Focal length of the lenses	
IPD between the lenses	
(a) Distance between the lenses and the physical display	

Question 5 (1 point) Saved

What sort of affordance will most likely occur when you strap on vive trackers only on the hands for an experienced VR user in a VR commuting simulator application with walking as the main interaction?

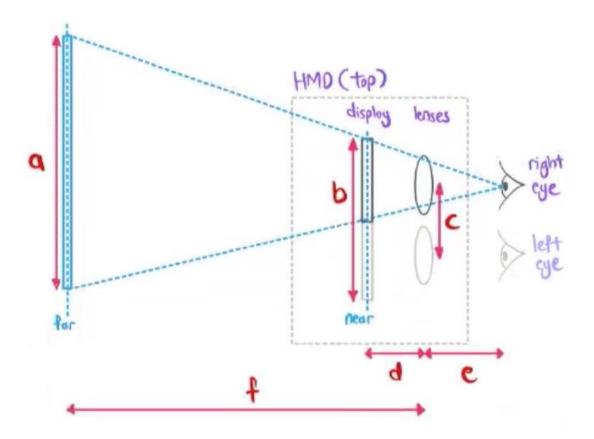
0	The user will only consciously use the feet in his/her own way to navigate in the virtual environment
0	The user will only consciously use the hands in his/her own way to navigate in the virtual environment
0	The user will reach out for a vive controller to use the thumbstick to navigate in the virtual environment
0	The user will only consciously lift the legs in a natural fashion to navigate in the virtual environment
0	The user will perform a natural walking action with the whole body to navigate in the virtual environment
•	The user will only consciously swing the hands in a natural fashion to navigate in the virtual environment
0	The user will consciously use both the hands and feet in his/her own way to

Qı	uestion 6 (1 point)
(Your UX team aims to enhance the sense of control and reduce self-consciousness, disorientation and nausea. They will run user studies before and after some key feature changes are made to your existing VR application.
	What is/are the possible famous validated questionnaires to use in the user studies, pertinent to the aims above, to aid in design decisions for your UX team?
	✓ Virtual Reality Sickness Questionnaire (VRSQ)
	Flow State Scale (FSS)
	Igroup Presence Questionnaire (IPQ)
	Systems Usability Scale (SUS)
1	Simulator Sickness Questionnaire (SSQ)
Qı	uestion 7 (1 point)
,	When implementing motion controller interactions in WebXR for a PICO 4 headset, what is the component id to use when you want to add an Observer that provides some behavior when the controller thumbstick is operated on?
	xr-standard-thumbstick
	xr-pico4-thumbstick
1	xr-thumbstick-pico4
	xr-thumbstick
	pico4-thumbstick

	Question 8 (1 point) Saved
	Which file should you amend in your WebXR project to downgrade the babylonjs package version to 5.25.0?
	package.json
	None of the answers are correct
	o app.ts
	webpack.config.js
	tsconfig,json
	index.ts
	Question 9 (1 point) ✓ Saved
	Which of the following is/are characteristic experiential dimensions of flow known in current research literature?
/	Loss of self-consciousness
	Involvement
	Realness
/	✓ Warped sense of time
/	Sense of Control
/	✓ Effortlessness
	Question 10 (1 point) Saved
	In the Google Cardboard HMD, you want to expand the horizontal FOV.
	What dimension(s) can you change to achieve this?
	IPD between the lenses
	Focal length of the lenses
	Height of the physical display
	Distance between the lenses and the physical display
	Width of the physical display
	Eye relief

Question 11 (1 point) ✓ Saved

In the schematic HMD diagram, which value(s) will be changed if d was changed?



- () e
- 1 f
- Oc
- V) a
- O b

Question 12 (1 point)	✓ Saved
Which interaction me game Land's End) repr	chanic(s) do gaze-based interactions (like those found in the VR resent?
You can view the You'l	Tube video below to get an idea of the gameplay.
Land's End YouTube G	sameplay by VR Adventure
body (excluding ha	ands) gestures
viewpoint control	
✓ hand gestures ?	
Question 13 (1 point)	✓ Saved
	nmersion in the next version of our VR commuting simulator, I experience of presence.
	method(s) can be appropriate when I want to find out whether t after I have translated the above goal into implementation?
Let users fill in the	e VRSQ
Let users fill in the	FSS
Let users fill in the	e IPQ
Perform semi-stru	actured interviews with users
Create telemetry	tracking mechanisms to observe users

deye =	5 White = $2\left(\frac{1}{2+5}\right) = \frac{2}{4}$ Charge = 3 White = $2\left(\frac{1}{2+3}\right) = \frac{2}{5}$
	$W_{die 2} = (2r5) \left(\frac{y_2}{7+5} \right) = \frac{1}{6}$ $W_{die 2} = (2r3) \left(\frac{2r5}{7+3} \right) = \frac{1}{6}$
M= 2 Wiga= (Okyel, Writt
dazo = 2 dvz+=7	Question 14 (1 point) Saved What is a result of reducing the eye relief?
	decreased distance between lens to virtual image.
	increased FOV
	○ decreased FOV
	increased distance between lens to virtual image
	Question 15 (1 point) Saved
	When designing for immersion in the next version of our VR commuting simulator, I want to improve the experience of presence.
	Which of the following is/are suitable approaches that translate this goal into implementation?
	increase the visual fidelity of the graphics with custom physically based rendering shaders
	point of the commuting experience
,	implement mechanics to structure the commuting experience akin to completing progressively challenging levels in a game setting
,	implement real-walking locomotion (tracking actual walking in a room-scale setting) instead of the current walking-in-place locomotion
	∠ add Al-driven human characters with realistic behaviors in the simulation
	/ implement teleportation locomotion instead of the current walking-in-place locomotion

(Question 16 (1 point) Saved
	When designing for immersion in the next version of our VR commuting simulator, I want to improve the experience of flow.
	Which of the following is/are suitable approaches that translate this goal into implementation?
/	implement mechanics to structure the commuting experience akin to completing progressively challenging levels in a game setting
×	implement real-walking locomotion (tracking actual walking in a room-scale setting) instead of the current walking-in-place locomotion
X	implement teleportation locomotion instead of the current walking-in-place locomotion
/	implement GUI elements to present clear goals for the user to attain at every point of the commuting experience
/	add Al-driven human characters with realistic behaviors in the simulation
×	increase the visual fidelity of the graphics with custom physically based rendering shaders

The following code snippet is from a text-plane.ts file.

```
class TextPlane {
       mesh: Mesh;
           name: string,
           width: number,
           height: number,
           x: number,
           y: number,
           z: number
           text: string,
           color: string,
           fontSize: number,
           scene: Scene
22
23
24
           const plane = MeshBuilder.CreatePlane(
   name + " text plane",
                { width: width, height: height },
                scene
           plane.position.set(x, y, z);
           const planeTexture = AdvancedDynamicTexture.CreateForMesh(
                plane,
                width * 100,
                height * 100,
           planeTexture.name = name + " plane texture";
           const planeText = new TextBlock(name + " text");
           planeText.text = text;
           planeText.color = color;
           planeText.fontSize = fontSize;
           planeTexture.addControl(planeText);
           this.mesh = plane;
```

This TextPlane component was imported and used in a class in the main app.ts file.

However a build error occured complaining that 'TextPlane' could not be found.

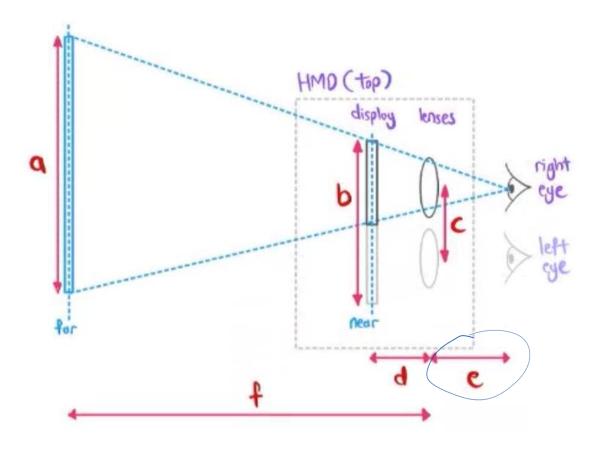
First, write the offending line number that caused this bug:

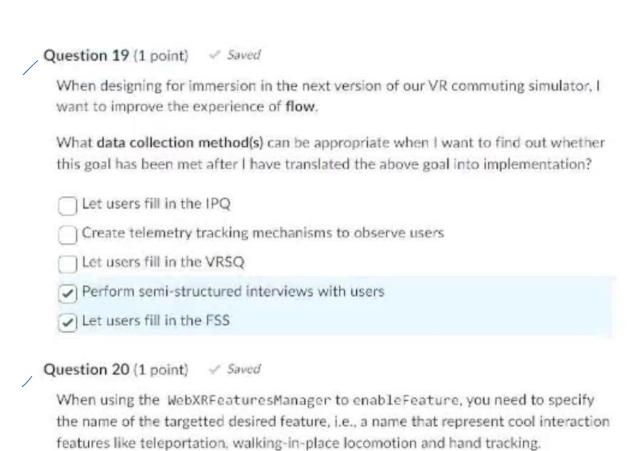


Next, write the single keyword that needs to added to this line in order for it to work:



In the schematic HMD diagram, where is the eye relief?





Write the name of the babylonjs API class that contains, as properties, this list of available feature names?

WebXRFeatureName ♣