```
1
     export function setupScene(containerId) {
 2
       const container = document.getElementById(containerId);
 3
 4
       // Initialize scene
 5
       const scene = new THREE.Scene();
 6
 7
       // Initialize camera
       const camera = new THREE.PerspectiveCamera(45, container.clientWidth / container.
 8
       clientHeight, 1, 1000);
9
10
       // Initialize renderer
       const renderer = new THREE.WebGLRenderer({ antialias: true });
11
12
       renderer.setSize(container.clientWidth, container.clientHeight);
13
       container.appendChild(renderer.domElement);
14
15
       return { scene, camera, renderer };
16
17
18
     export function setupResizeHandler(camera, renderer, containerId) {
19
       const container = document.getElementById(containerId);
20
21
       window.addEventListener("resize", () => {
         camera.aspect = container.clientWidth / container.clientHeight;
22
23
         camera.updateProjectionMatrix();
24
         renderer.setSize(container.clientWidth, container.clientHeight);
25
       });
     }
26
27
28
     export function debounce(func, wait) {
29
       let timeout;
30
       return function(...args) {
31
         clearTimeout(timeout);
32
         timeout = setTimeout(() => func.apply(this, args), wait);
33
       };
34
     }
```