Deliverable 2 - Code Template Report

Languages:

- Typescript, Javascript, HTML, CSS

Libraries:

- Used react-three/fiber, react-three/xr, and react-three/drei for 3D object rendering

Code Structure:

1. Prop Formatting
   - Prop values are directly put into function parameter list and accessed through indexing the group

2. Event Handling Mechanisms
   - XREvent hook used (from react-three/xr) to handle XR controller events

3. Type Declaration
   - Set specific types for prop values for code robustness

4. Hook Usage
   - useState, useMemo, useContext
   - useState: allows easy state management for data point handling in space
   - useMemo: prevents unnecessary re-rendering

5. Documentation
   - In-line comments that explain hook usage, function behavior, what specific variables are used for, how conditional statements work

Improvements:

- Implement more **assertions** and error handling mechanisms!!