**Use Case Diagram 2: User Interaction with 3D Simulation**

**Description:**

This use case explains how a user interacts with the 3D asteroid simulation, manipulating the view by rotating and zooming in on the asteroid. It also covers how the user requests and receives additional information about the asteroid from the database.

A diagram of a software development process

Description automatically generated

1. **Loading the Simulation**: The user opens the simulation, and the system loads the asteroid’s 3D model from the database, rendering it in the browser using the Three.js engine.
2. **Adjusting the View**: The user rotates and zooms the view. Each action sends a command to the rendering engine to adjust the 3D display.
3. **Viewing Details**: When the user clicks on the asteroid, the system fetches detailed data from the database and displays it in a panel on the screen.