**Use Case Diagram 1: Viewing the 3D Asteroid Simulation**

**Description:**

This use case describes how the user accesses and interacts with the 3D simulation of the asteroid using a web-based interface. The system retrieves asteroid data from a database, uses the Three.js engine for rendering, and responds to user actions like rotating, zooming, and viewing asteroid details.

A diagram of a web server

Description automatically generated

1. **User Accesses the Simulation**: The user opens the simulation page in their web browser. The server retrieves the asteroid model from the database, and the Three.js rendering engine renders the 3D asteroid.
2. **User Interactions**: The user can rotate, zoom, and click on the asteroid to view detailed information. These commands are processed by the browser’s rendering engine, which updates the display accordingly.
3. **Sponsor Interaction**: The sponsor also has access to the simulation and provides feedback, which is sent to the developers for potential updates.