**Abstract: Interactive Orrery Web App for Kids**

This innovative web app aims to make space exploration exciting and accessible for young minds. By addressing challenges in learning about Near-Earth Objects (NEOs), such as technical terminology, abstract concepts, and the need for engaging visuals, the app offers an interactive orrery that encourages children to explore the wonders of the solar system.

**Problem**

Children often find learning about NEOs difficult due to confusing words like "asteroid" and "comet," as well as the challenge of grasping the vastness of space and complex scientific ideas without visual aids.

**Solution**

The Interactive Orrery Web App provides an engaging way for children to explore space. Through spinning planets and animated orbits, children learn about NEOs in a fun, interactive environment. The app features engaging animations and educational content tailored for young audiences, using simple language and clear visuals to make difficult concepts more understandable.

**Key Features**

- Fun Animations: Playful visuals demonstrate the orbits and movement of space objects like NEOs, keeping kids interested and excited.

- Educational Information: The app offers easy-to-understand facts about NEOs, covering their size, composition, and impact on Earth, presented in a kid-friendly format.

**Technology Stack**

The app is designed using Figma for UI/UX, and developed with a combination of JavaScript, C#, and Python to deliver a seamless and interactive user experience.

**Future Enhancements**

Plans for future developments include adding Augmented Reality (AR) features to bring the orrery experience to life, allowing children to interact with NEOs in their own environment.