

## Proposal

Our project aims to develop an interactive ecosystem simulation software that simulates the complex relationships between organisms in various ecosystems. This simulation will provide users with a unique opportunity to explore and understand the web of interactions that shape ecosystems, including elements such as reproduction, death, hunger, and dynamic weather patterns.

The ecosystem simulation is an innovative and immersive ecosystem simulation software that offers a hands-on and visually engaging exploration of ecological systems, enabling users to witness the consequences of their decisions in real-time. Unlike traditional static educational materials or limited ecosystem models, our product empowers users to interact with, manipulate, and observe ecosystems in a dynamic and customizable manner.

The ecosystem simulation offers a realistic simulation environment, enabling users to observe the life cycles of various organisms, from plants to predators, and witness their responses to changing environmental conditions. This software serves as a valuable and hands-on learning experience, facilitating the understanding of ecological concepts through experimentation and the observation of consequences. Users have the flexibility to customize parameters, such as population sizes, species interactions, and weather patterns, allowing them to simulate specific ecosystems and study the effects of different variables.

The ecosystem simulation offers an immersive, customizable, and educational experience that stands to benefit educators, students, researchers, and nature enthusiasts alike. Our project

aspires to inspire a deeper appreciation for the natural world, foster environmental awareness, and enhance ecological education through interactive exploration. We look forward to bringing the wonders of the natural world to users' fingertips and contributing to a greater understanding of our interconnected ecosystems.