

2024 NASA Space Apps Challenge

GLOBE Protocol Games

+ Join the Challenge



ORBITING NOVICES
PRESENTS
PROJECT : ECOIQ: TRUE OR FALSE



CHALLENGE OVERVIEW:

The challenge we have chosen focuses on developing an engaging and educational game that integrates GLOBE Protocols to enhance players' understanding of local and global environmental issues. The goal is to create a trivia game that helps players explore various environmental topics while promoting scientific literacy.

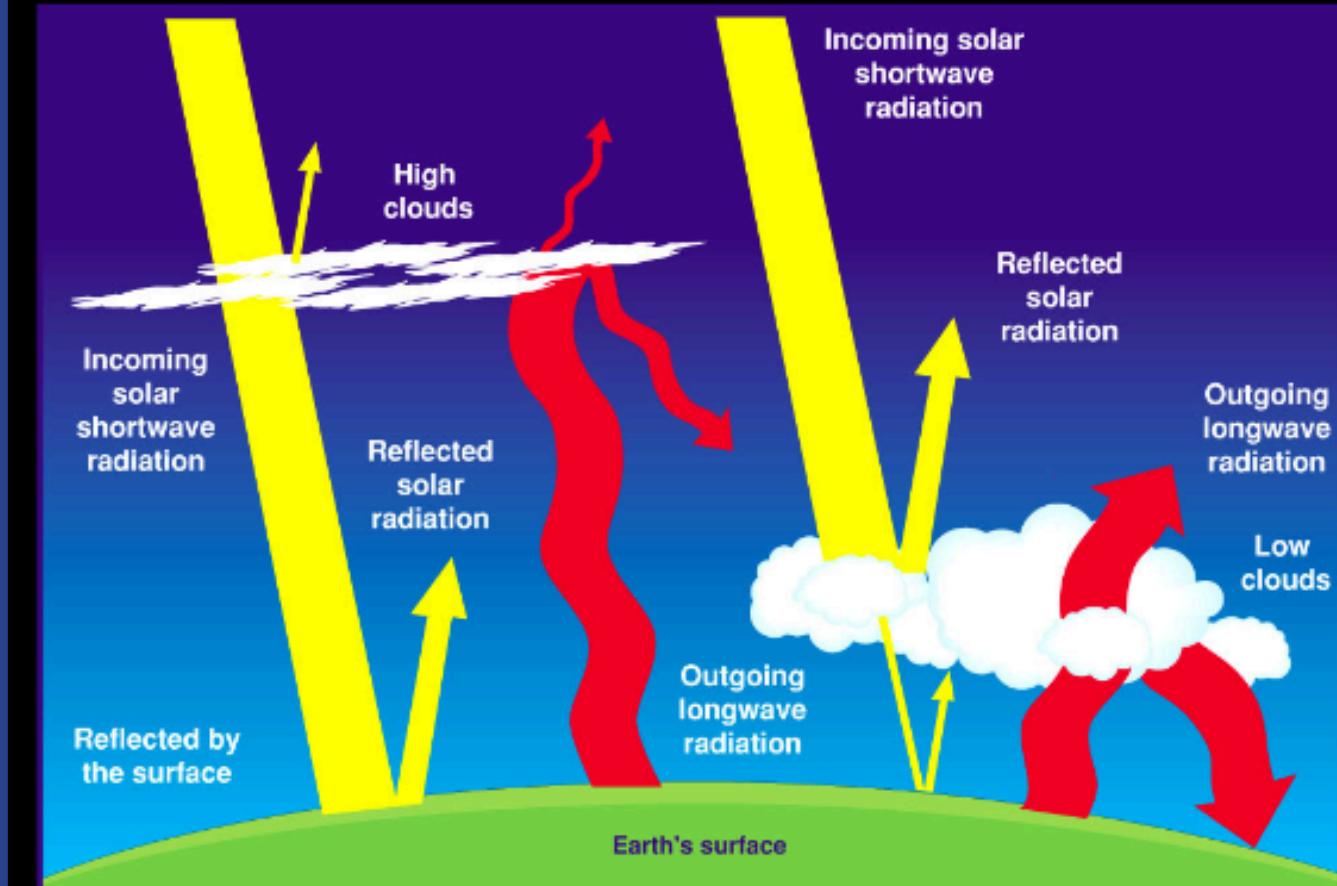
Significance :

- **Promote Awareness:** Address global environmental issues like climate change and pollution through engaging gameplay.
- **Inspire Curiosity:** Encourage players to explore environmental topics further through self-research and real-world observations using GLOBE protocols.

GLOBE Program Connection: The GLOBE Program provides a wealth of resources, including over 40 protocols for environmental observation, which serve as the foundation for our trivia questions. By integrating these protocols into the gameplay, we aim to make scientific concepts accessible and engaging for players of all ages.

“ All resources and protocols used in the development of **EcoIQ: True or False** were sourced from the GLOBE Program website at www.globe.gov, integrating scientific tools and data for an engaging educational experience. ”

Cloud Effects On Earth's Radiation



PROJECT OBJECTIVES

DEFINING THE OBJECTIVES AND GOALS OF ECOIQ:TRUE OR FALSE

01
Provide users with a comprehensive learning tool that simplifies the core concepts of the GLOBE protocol, enhancing their knowledge of environmental science and data collection methodologies

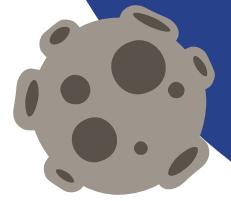
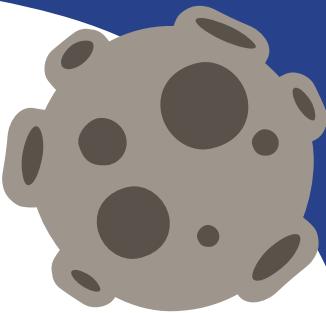
Promote Understanding of the GLOBE Protocol

02
Engage users in an interactive learning experience by using a true/false quiz format to improve knowledge retention and make the educational process more enjoyable.

Encourage Active Learning Through Quizzes

03
Raise awareness about global climate challenges and the importance of community-driven scientific initiatives like the GLOBE protocol, empowering users to contribute to environmental data collection and research efforts.

Foster Global Environmental Awareness





APP OVERVIEW

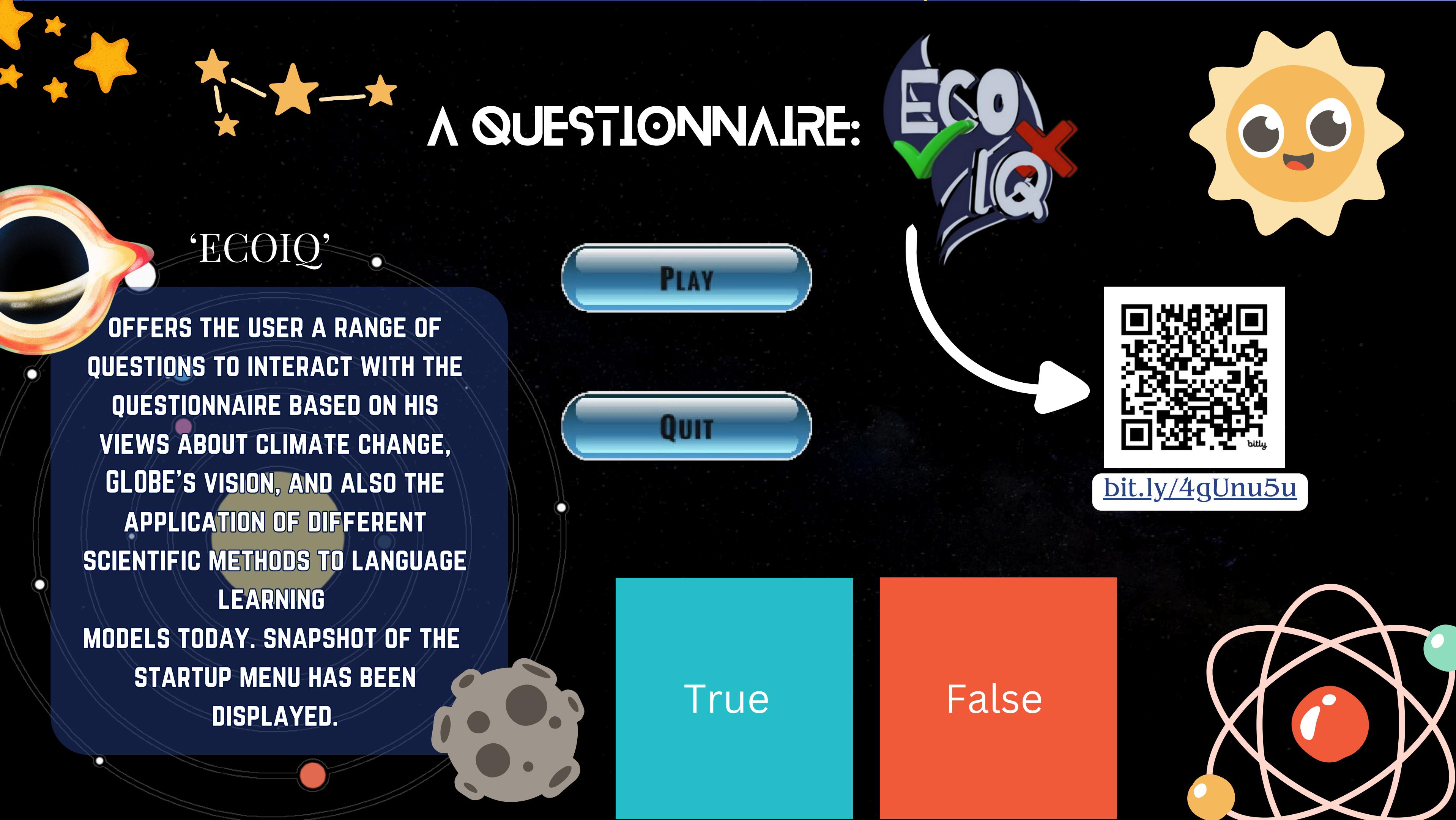


Our app is designed to help users learn about the GLOBE protocol through an engaging true/false quiz format. The app presents a series of questions related to the GLOBE protocol, covering essential topics such as environmental science, data collection, and global climate patterns.



Users receive immediate feedback after answering each question, helping them reinforce their knowledge. The goal of the app is to provide an accessible and interactive learning tool for students, educators, and anyone interested in understanding the GLOBE protocol and its global impact.





A QUESTIONNAIRE:

'ECOIQ'

OFFERS THE USER A RANGE OF QUESTIONS TO INTERACT WITH THE QUESTIONNAIRE BASED ON HIS VIEWS ABOUT CLIMATE CHANGE, GLOBE'S VISION, AND ALSO THE APPLICATION OF DIFFERENT SCIENTIFIC METHODS TO LANGUAGE LEARNING MODELS TODAY. SNAPSHOT OF THE STARTUP MENU HAS BEEN DISPLAYED.

PLAY

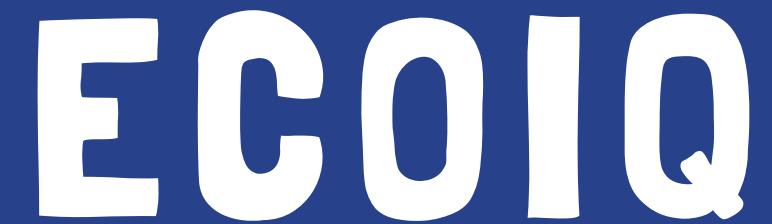
QUIT

True

False



bit.ly/4gUnu5u



TRUE OR FALSE

CONDUCTING THOROUGH RESEARCH
ON THE TOPIC.

The research focused on simplifying these complex scientific protocols into a user-friendly quiz format, allowing users to learn key concepts through true/false questions. We also explored effective educational approaches to ensure knowledge retention, combining real-world environmental science with interactive learning tools. The app aligns with modern trends in gamified education, providing a platform for users to not only learn but also contribute to global scientific efforts.





OUR TEAM



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Raid Mowla



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Sultan