

NASA Space App Challenge, 2022

Challenge Chosen: Learning Through the Looking Glass

Category: Beginner/Youth

Team: Aetoz

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Abstract

Problem Statement:

NASA's James Webb Space Telescope is the largest, most powerful, and most complex space science telescope ever built. Your challenge is to develop a game to help people learn about the James Webb Space Telescope's amazing capabilities

Description of The Project:

1. We will be implementing an Constellation Game where multiple Dots will be shown and the name of the constellation will be presented, the idea is to join the perfect dots and as it is done, a pop up will be shown which will be about a short description of the constellation
2. A Quiz game where cards depicting the pictures of a certain galaxy will be shown and the user will be asked from which telescope is the photo retrieved.

3. A 3D-Blueprint Model of James Weber Space Telescope
4. Space Invader game where the user can select the background.
5. A Jigsaw Puzzle Game
6. Info-section
7. Credits Section

Solution Approach Taken:

Our project is an educational game aimed towards educating middle schoolers on the wonders of James Weber Space Telescope. We will be implementing our idea using Python and importing its module mainly PyGame, Kivy and 3D Modelling and some other python modules.