

Dreamscape AI

Senior Design 2024

Our team



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Description

An AI image generation application that allows a user to take a photo off a subject, label the subject, and train a image model, allowing the user to create endless possibilities of images with the subject

App STRUCTURE

The application has three layers consisting of the UI, API, and the Replicate service. The User interacts with the UI by uploading photos to train a model or query a prompt to generate an image. The API layer communicates the request to the Replicate service which trains or generates the image. API layer then sends back the training confirmation or the generated image.

Technologies



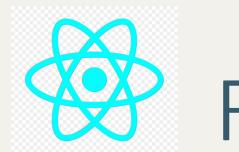
Python



Flask API framework

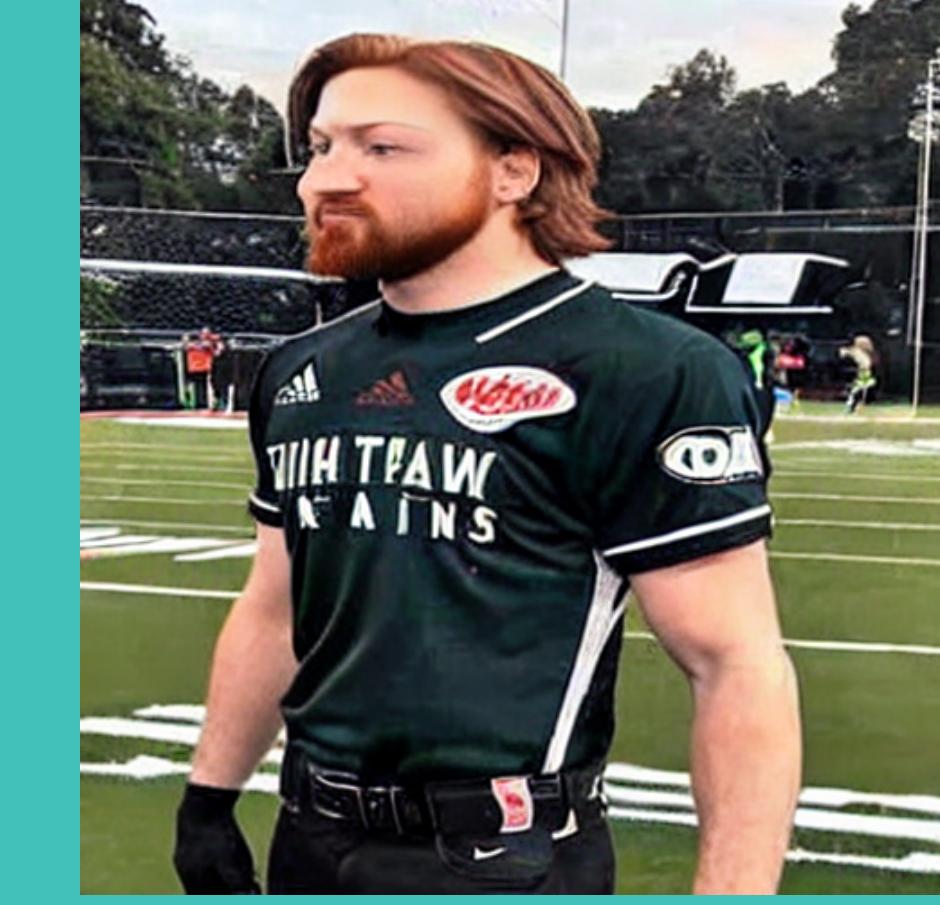


Replicate hosting service

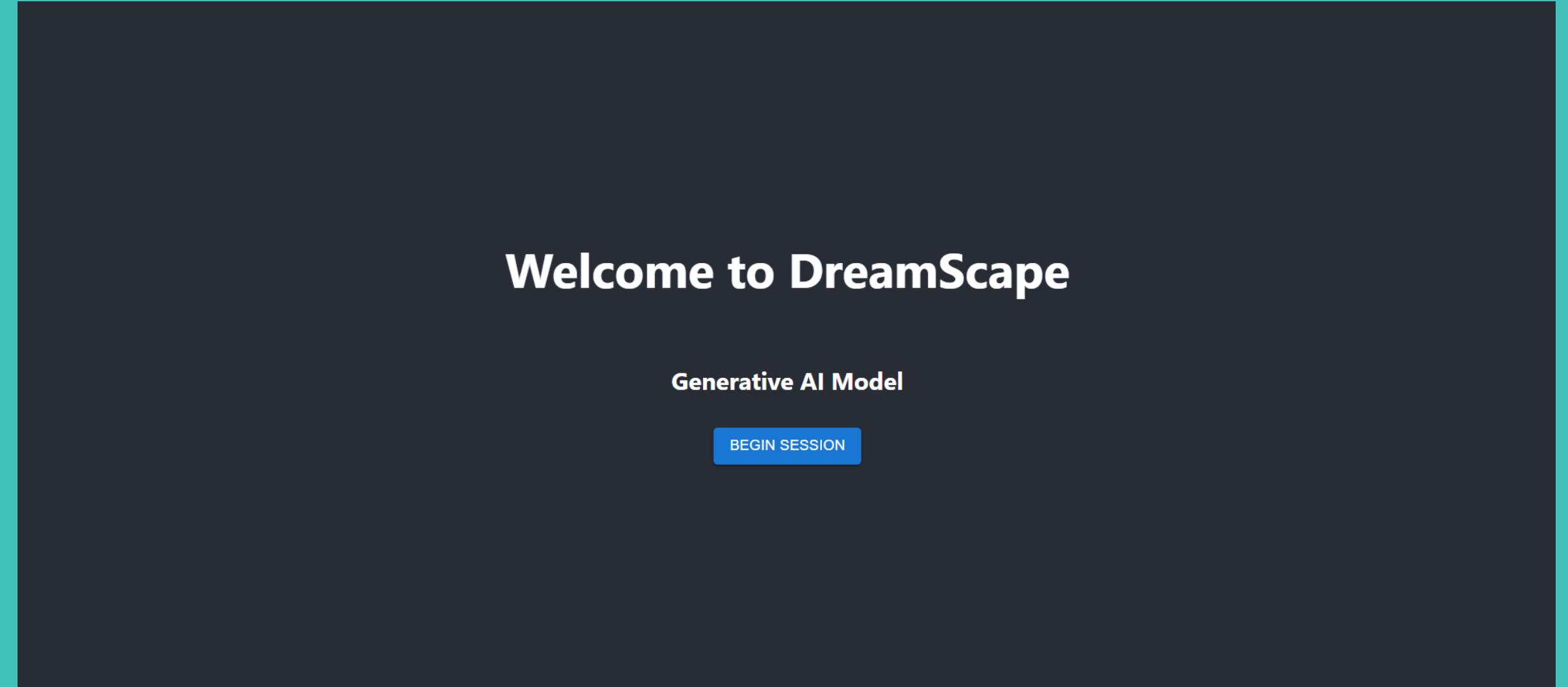


React

Generated Image Examples



User Interface



Application Flow

