ENCYCLOPEDIA OF ENDANGERED ANIMALS

Cho Zi Hao

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Project Overview

The project aim is to build a web application that showcases my ability to develop RESTful APIs to perform CRUD (Create, Read, Update, Delete) on data stored within a SQL database. The data is to be displayed within an interactive front end, with intuitive UX design and data displayed in a graphics-focused and aesthetically pleasing manner.

Frontend: React, Typescript, HTML, SCSS
Backend: Node.JS, JWT, Express, PostgreSQL

User Stories 1

"Existing websites are informative but difficult to navigate, and they use scientific jargon which can be hard for most people to understand."

- Wants information to be broken down in a way a layman can understand
- Would like to be able to search by various categories

User Stories 2

"I would like a site that I can introduce to my primary school students to learn about animals. They would want to be able to showcase their favourite species"

- Both the UI and data should be appealing for kids & easy for them to navigate
- Wants a 'favourite animal' function for her students to showcase their favourite species

User Stories 3

"There's a few famous endangered animals that everyone knows about, but I wish we had a website that could spread awareness about lesser known species as well."
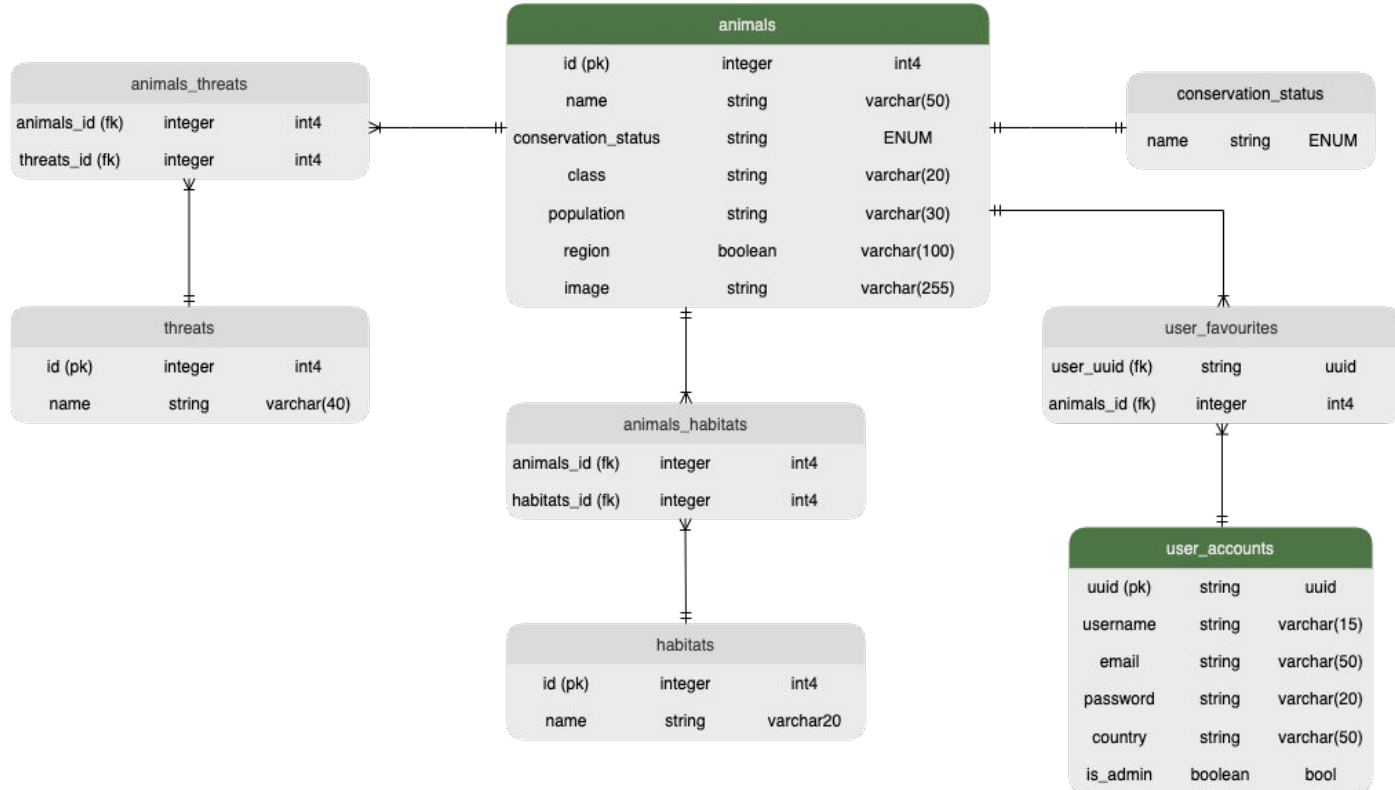
- Wants lesser known species to also be visible on the site
- Finds it important to make a clear distinction between the different conservation statuses

Proposed Features

- Use images & icons where possible

- A page explaining the various conservation statuses

- Can filter search results by various categories

- Can add favourite animals to animal spotlight

- View user list and see other users' animal spotlights

- Randomized 'featured animal' on home page

SQL Table Structure

React App Structure