

Backend Final Project Proposal

Project Participants:

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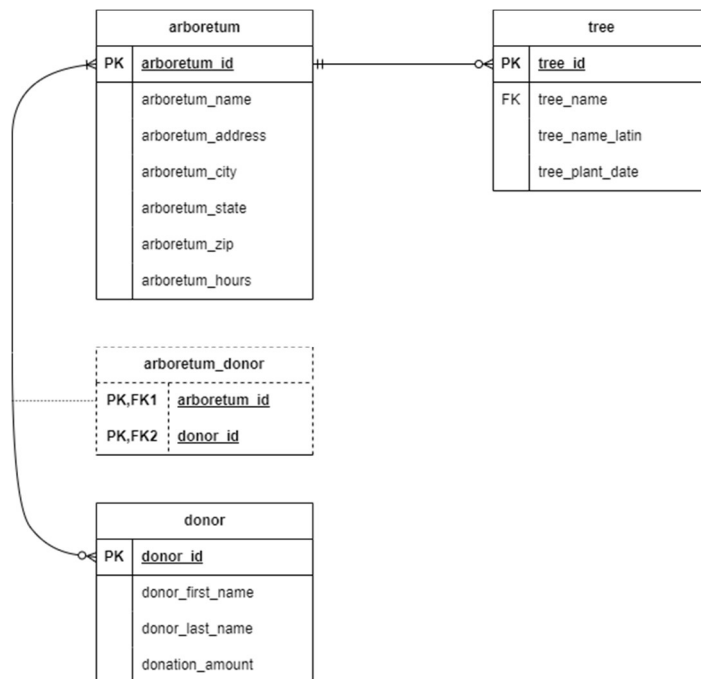
Title:

Arboretum database

Executive Summary:

This is intended as a database of arboretums in a state. It contains tables for arboretums, trees that are planted there, and donors that contribute to fund the arboretums. Each arboretum may have many trees, but each tree can only belong to one arboretum (one-to-many relationship). Donors can choose to donate to many arboretums, and each arboretum may have many donors (many-to-many relationship).

Initial Features:



@POST /arboretum – as a user, I want to be able to add an arboretum to the database, so that my customers can view arboretum's details on a website

@GET /arboretum – as a user, I want to be able to retrieve a list of arboretums, so that customers can see all options for a visit

@PUT /arboretum/{arboretumId} – as a user, I want to be able to edit the arboretum information, so that customers have accurate information

@DELETE /arboretum – as a user, I want to be able to delete an arboretum from the database, so that customers have an accurate list of arboretums

@POST /arboretum/{arboretumId}/tree – as a user, I want to be able to add a tree to an arboretum, so that newly planted trees can be reflected in the database

@POST /arboretum/{arboretumId}/donor – as a user, I want to be able to add a donor to an arboretum, so that the donor's contributions can be properly acknowledged

@GET /arboretum/{arboretumId}/trees – as a user, I want to be able to retrieve a list of trees in an arboretum, so that I can see if the arboretum is worth a visit

Stretch Goals (to be completed if time allows, or after graduation):

I think it would be great to add a feature that displays a total number of trees when retrieving park details instead of a list of trees.