My Family Tree
From Roots to Crown

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https://github.com/Jan-23-Liftoff-KC/team-michael-group-repo

Description

This tool is meant to be an accessible way to keep track of one's family history, a space to collaborate with family members and share joy. One of our team wanted to build this for his Mom so she could have an organized place for her information.

Features

- Create a secure account for logging into the site
- Add a person and their biographical details to your family
- View a graphical representation of the connected family tree
- Search the database for specific people

Planning - User Stories

As a user I want to register so that I can use the website.

As a user I want to start a new tree so that I can enter my family history.

As a user I want to search the site so that I can find someone.

Planning - Database

There are several tables in the database

1. User table stores the username and encrypted password
2. Person table holds the ancestor's bio details (name, date of birth, anniversary date and others, a picture, and stories about the person)
3. Tree table stores a list of the people

Technology Stack

- Language is Java
- Framework is Spring Boot
- Template engine is Thymeleaf
- Database engine is MySQL
- Bootstrap for visual organization
- Data Driven Documents (D3.js) for tree visualization

Demo

What We Learned

- How to build the tree with Data Driven Documents (D3.js)
- To better understand Spring Boot and our Technology Stack
- How to deploy the program and database

What's Next

- Add functionality for multiple family trees and their separate use
- Print the displayed family tree to PDF
- Incorporate location information, show family migration on a map
- Forum for communicating between users and sharing stories