My Family Tree
From Roots to Crown

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

Description

A family can enter their family tree.

They can see their branch or the whole tree.

They can register as a user of the site.

Features

- Login to tree site or log out
- Add a person
- Add notes about the person
- View family tree
- View a branch

Planning - User Stories

One of our team wanted to build this for his Mom so she could have an organized place for her information.

The team suggested useful features.

Useful for family wanting to build their family tree and they can collaborate with each other in one place.

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 biograph (name, date of birth, anniversary date and others, a picture, and stories about the person)
3. Tree table stores the people's information.

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
- Creating user login and log out and working with Spring Security
- How to add people to tree
- How to have 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
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