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 new user, I want to register so that I can use the website.

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

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



Planning - Database

There are two tables in the database.

- 1. User table stores the username and encrypted password
- 2. Person table holds the person's biography (name, date of birth, anniversary date and others, a picture, and stories about the person)



Technology Stack

- Languages are Java, JavaScript, HTML, CSS...
- Framework is Spring Boot
- Template engine is Thymeleaf
- Database engine is MySQL
- Bootstrap and custom CSS/HTML for visual organization
- Data Driven Documents (D3.js) for tree visualization



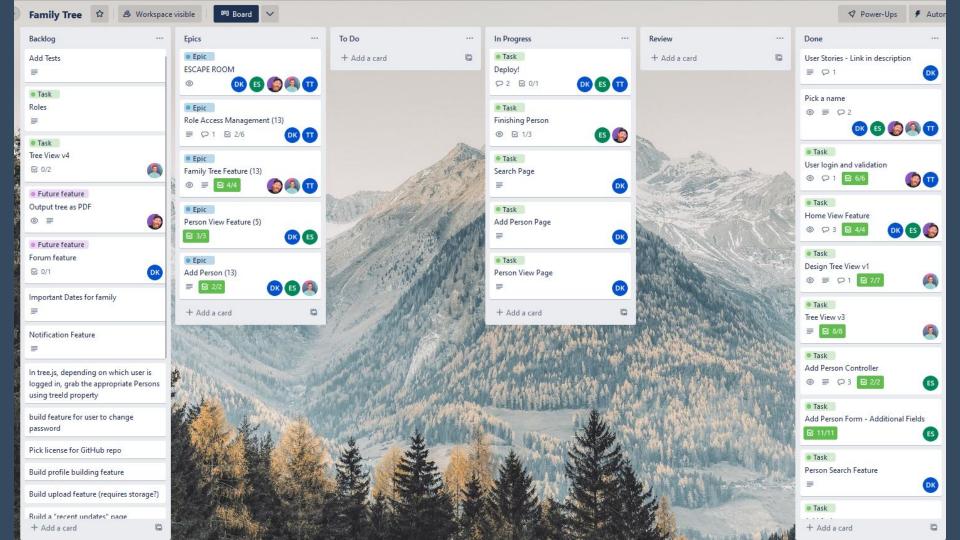
Demo



What We Learned

- Wireframing in Figma
- Project management in Trello
- Version control using <u>feature branches</u>
- How to build the tree with Data Driven Documents (D3.js)
- To better understand Spring Boot and Spring Security
- How to deploy the program and database





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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
- Defining user roles
- Forum for communicating between users and sharing stories



Just in case



