# My Family Tree
# From Roots to Crown

Teresa Tull, David Kelsey, Eric Lyonford, Emily Spalding, and Gabriel Valencia

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

- Language is Java
- 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
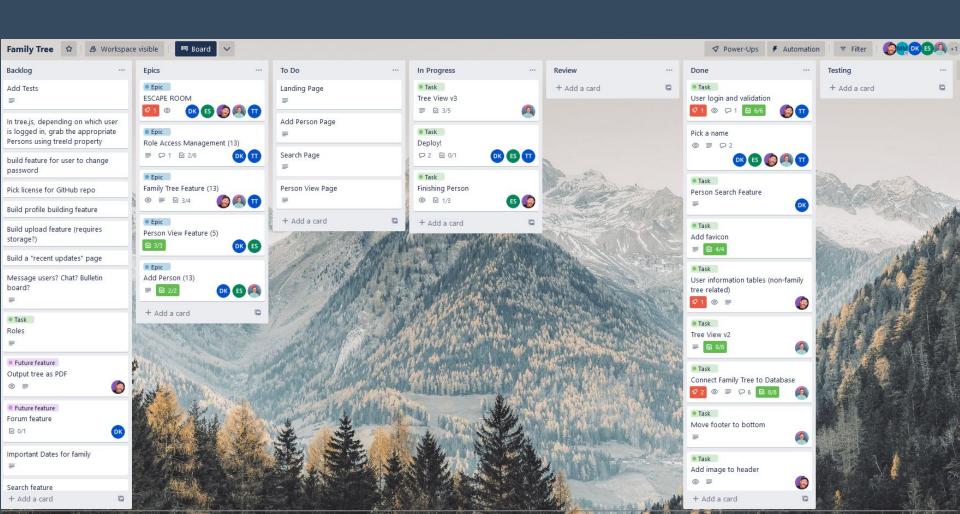
# Demo

# What We Learned

- How to build the tree with Data Driven Documents (D3.js)
- To better understand Spring Boot and Spring Security
- How to add people to tree
- How to deploy the program and database
- To create a project as a team
- Version control using feature branches

## Backlog ⋯

**Add Tests**
☰

In tree.js, depending on which user is logged in, grab the appropriate Persons using treeId property

build feature for user to change password

Pick license for GitHub repo

Build profile building feature

Build upload feature (requires storage?)

Build a "recent updates" page

Message users? Chat? Bulletin board?
☰

● Task
**Roles**
☰

● Future feature
**Output tree as PDF**
👁 ☰ 👤

● Future feature
**Forum feature**
☑ 0/1 DK

**Important Dates for family**
☰

**Search feature**

+ Add a card 🗔

## Epics ⋯

● Epic
**ESCAPE ROOM**
🏷 1 👁 DK ES 👤👤 TT

● Epic
**Role Access Management (13)**
☰ 💬 1 ☑ 2/6 DK ES

● Epic
**Family Tree Feature (13)**
👁 ☰ ☑ 3/4 👤👤 TT

● Epic
**Person View Feature (5)**
☑ 3/3 DK ES

● Epic
**Add Person (13)**
☰ ☑ 2/2 DK ES 👤

+ Add a card 🗔

## To Do ⋯

**Landing Page**
☰

**Add Person Page**
☰

**Search Page**
☰

**Person View Page**
☰

+ Add a card 🗔

## In Progress ⋯

● Task
**Tree View v3**
☰ ☑ 3/5 👤

● Task
**Deploy!**
💬 2 ☑ 0/1 DK ES TT

● Task
**Finishing Person**
👁 ☑ 1/3 ES 👤

+ Add a card 🗔

## Review ⋯

+ Add a card 🗔

## Done ⋯

● Task
**User login and validation**
🏷 1 👁 💬 1 ☑ 6/6 👤 TT

**Pick a name**
👁 ☰ 💬 2
DK ES 👤👤 TT

● Task
**Person Search Feature**
☰ DK

● Task
**Add favicon**
☰ ☑ 4/4

● Task
**User information tables (non-family tree related)**
🏷 1 👁 ☰ 👤

● Task
**Tree View v2**
☰ ☑ 8/8 👤

● Task
**Connect Family Tree to Database**
🏷 2 👁 ☰ 💬 6 ☑ 8/8 👤

● Task
**Move footer to bottom**
☰ 👤

● Task
**Add image to header**
👁 ☰ 👤

+ Add a card 🗔

## Testing ⋯

+ Add a card 🗔

# 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