Figure 1: Logo

FamilyFrame

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Version 1.0.0

Presented To:

Dr. Schwesinger

Submitted By:

Group names

Aidan La Penta

REVISION HISTORY

Date	Author	Distributed to	Version	Description
Dec 01, 2023	Aidan La Penta	Dr. Schwesinger	1.0.0	Creation

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1 Introduction

The family tree website offers an extensive way to view a family's ancestry and relation, organize information about the family, and view it in a personalized way. Clients can consist of those looking to view their ancestry in an organized manner or want to share their familial connections to show others.

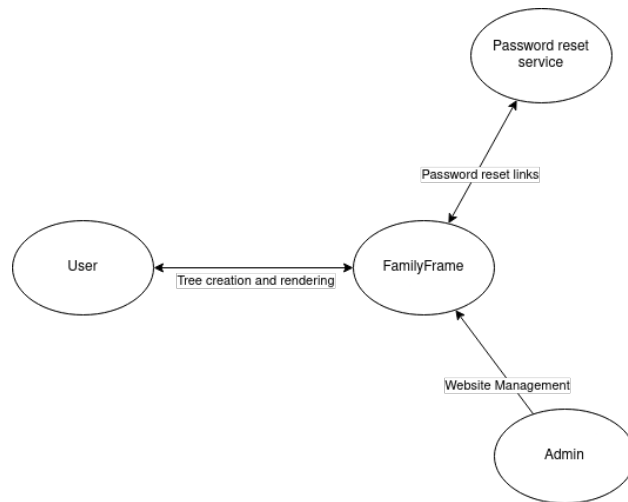Brief explanation of purpose and goal of this document

1.2 Scope

Figure 2: Context Diagram

2 Related Documents

SDP

Wireframes

Requirements Matrix

3 Requirements

As someone with a large family I want to:

- Diagram my entire family
- Save my tree to view and edit later
- Share the diagram with my family
- Have my family help create my tree

As an admin of the site I want to:

- See a list of all users
- Delete user accounts if needed

3.1 Punch List

The following list are the items still to be resolved:
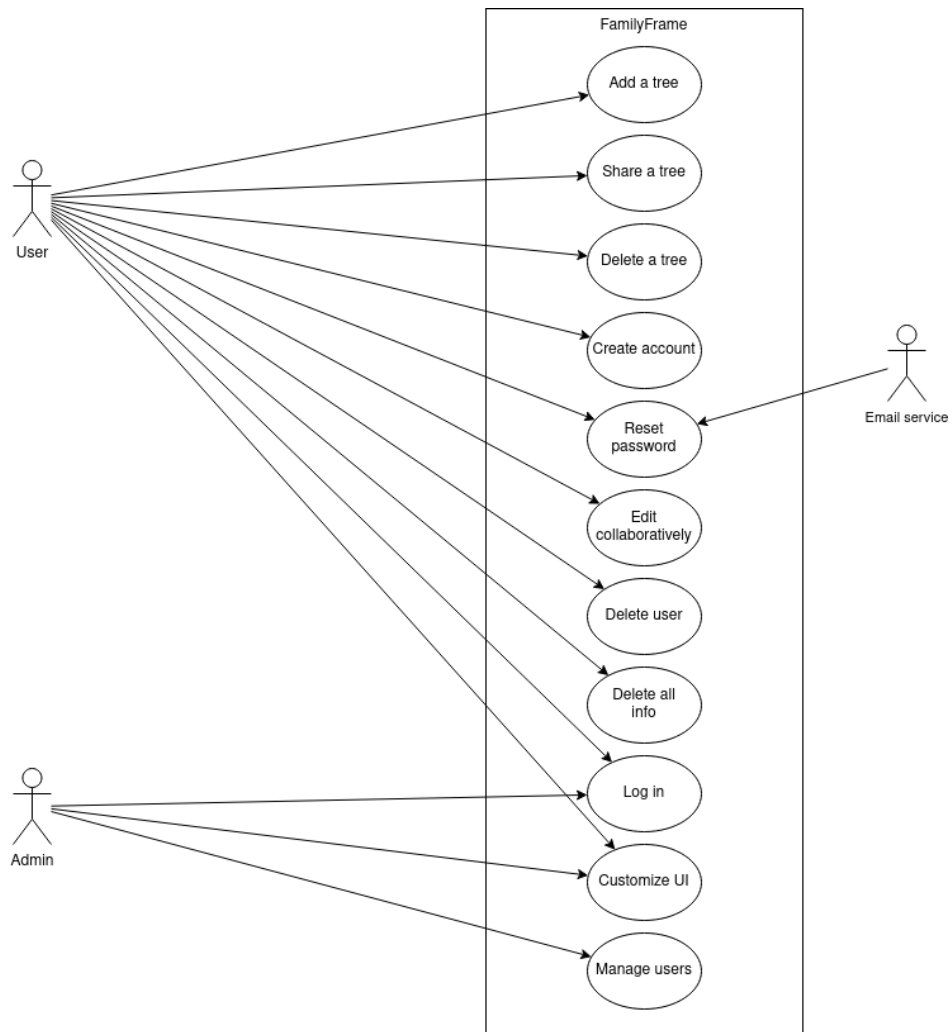
1. Password and database security
2. Reset password system

Figure 3: Use Case Diagram

Use Case Descriptions

3.1 Add a tree

Description: A user can start a tree by adding members to the tree and entering their information. Members can be removed or edited. The user must sign in to save creations.

3.2 Share a tree

Description: A user can share a tree to others. The other person does not have to be signed in to view a tree.

3.3 Delete a tree

Description: A user can delete a tree that they have created from the website's database.

3.4 Create account

Description: A new user can create an account to save trees and share trees with others.

3.5 Log in

Description: A user with an account can login to access their saved trees.

3.6 Delete self

Description: A user can delete their own account and choose to not delete trees that have collaborators.

3.7 Delete all info

Description: A user can delete their own account and all trees they have created.

3.8 Customize UI

Description: Users are able to modify the color scheme of the website.

3.9 Reset password

Description: A user can reset account password to regain access to their account.

3.10 Collaborative editing

Description: Multiple users can simultaneously edit a tree.

3.11 Manage users

Description: Admins can delete users and their associated trees.

4 Non Functional Requirements

4.1 Other Systems

Forget password system.

4.2 Security

HTTPS SSL CERT Encryption Encryption for passwords Protection against login injection.

4.3 Performance

Whatever out service guarantees.

As instantaneous as possible.

4.4 Maintainability

It would be preferably kept up indefinitely, but realistically will be maintained as long as the service is paid for,
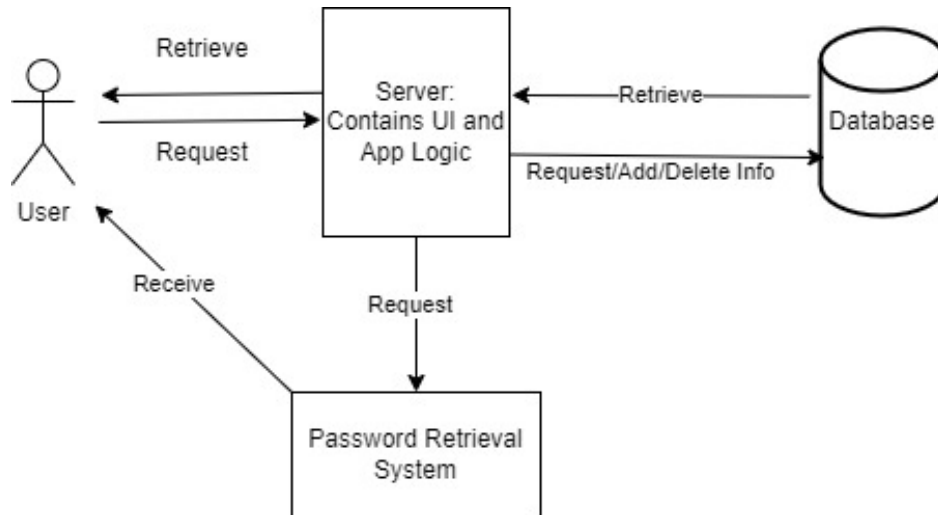
5 Architecture

Figure 4: Architecture

5.1 USER

- Requests information to the server
- Receives information from the server

5.2 Server

- Processes user requests
- Request information from database
- Receives information from database
- Returns information to user

5.3 Database

- Receives requests from server
- Processes requests
- Returns requested information to server

5.4 Password Retrieval System

- Receives requests from server
- Gives information to user

Signature Page

AGREED TO:

Customer?

Signature

Name:

Title:

Date:

_____

AGREED TO:

Team members

Signature

Name:

Title:

Date:

Aidan La Penta

Team Member

1 Dec, 2023