

AALAYSHA Gibson

Grand Canyon University

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Milestone 1 proposal

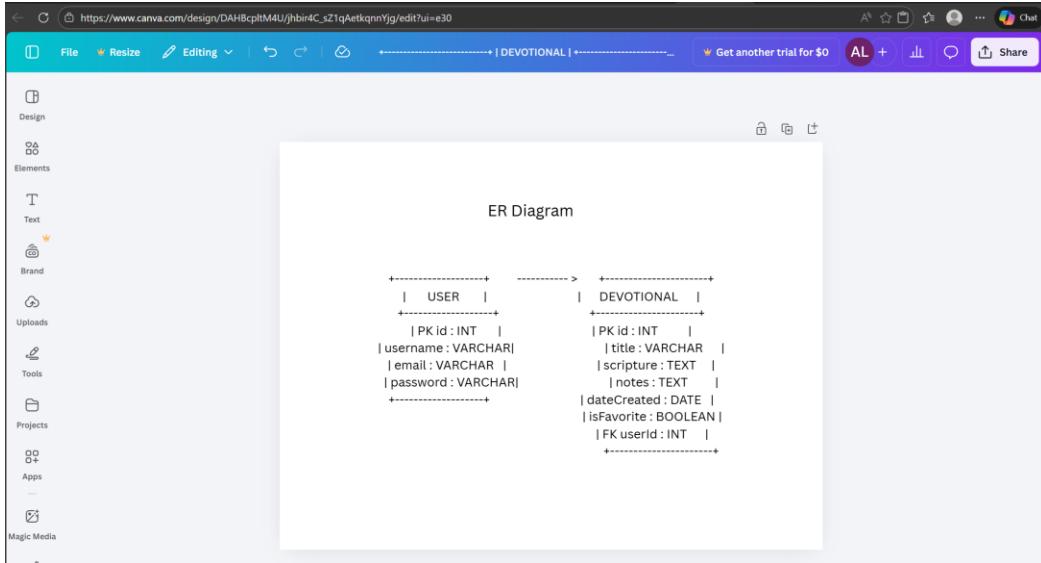
Introduction

Faith Quest is a fun and interactive web application designed to help kids and teens store, organize, and manage their daily devotionals and favorite Bible verses in one place. The app allows users to easily add, view, edit, and delete their entries while tracking their spiritual growth. It will use a REST API built with **Express.js** and **Node.js**, connected to a **MySQL** database. Two front-end versions will be created using **Angular** and **React**. Both versions will use the same back-end system and provide the same features, allowing me to compare the frameworks while giving users a simple and positive experience.

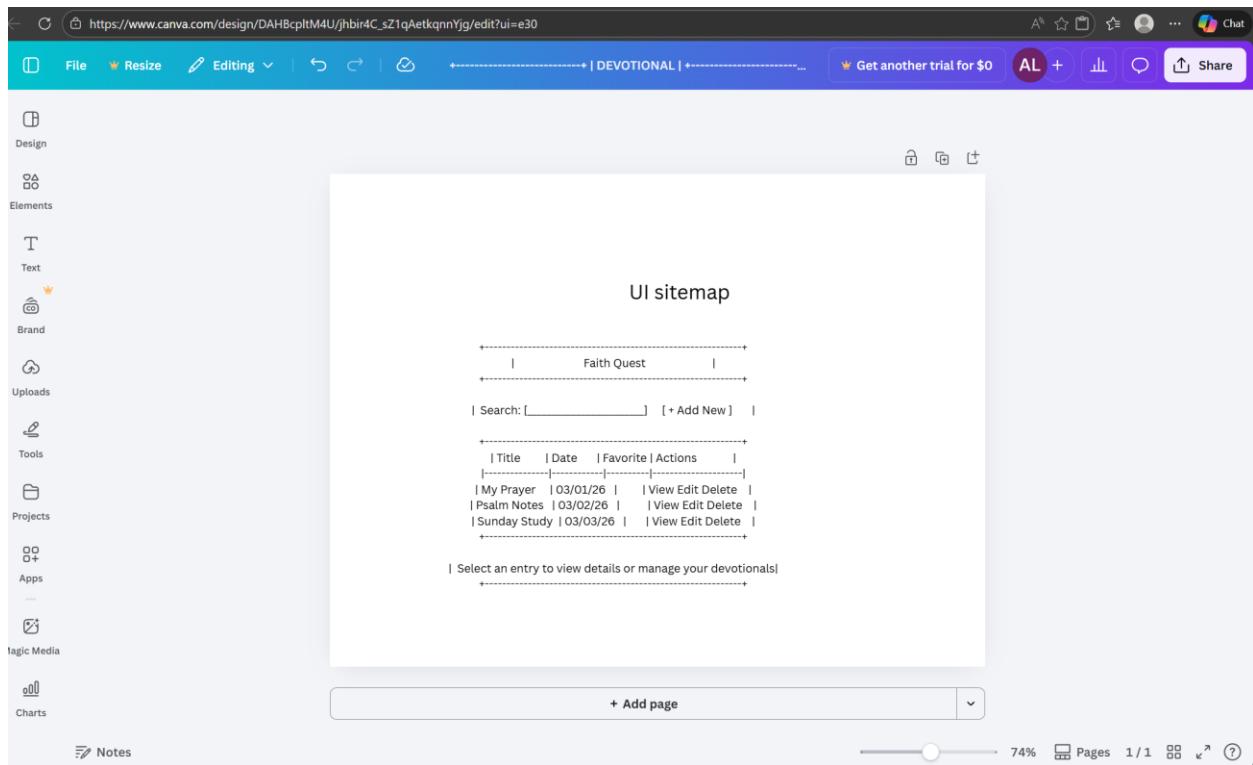
Functionality Requirements

- As a user, I want to create an account so I can save my devotionals securely.
- As a user, I want to add a new devotional or Bible verse so I can record my thoughts and reflections.
- As a user, I want to view a list of all my devotionals so I can easily browse my entries.
- As a user, I want to open a devotional to read the full details.
- As a user, I want to edit a devotional so I can update or improve my notes.
- As a user, I want to delete a devotional so I can remove entries I no longer need.
- As a user, I want to mark devotionals as favorites so I can quickly find the ones that mean the most to me.
- As a user, I want to search or filter devotionals by title or date so I can find specific entries faster.
- As a user, I want the app to be simple and fun to use so I feel encouraged to use it daily.
- As a developer, I want both the **Angular** and **React** front ends to connect to the same API built with **Express.js**, so both versions share the same functionality.

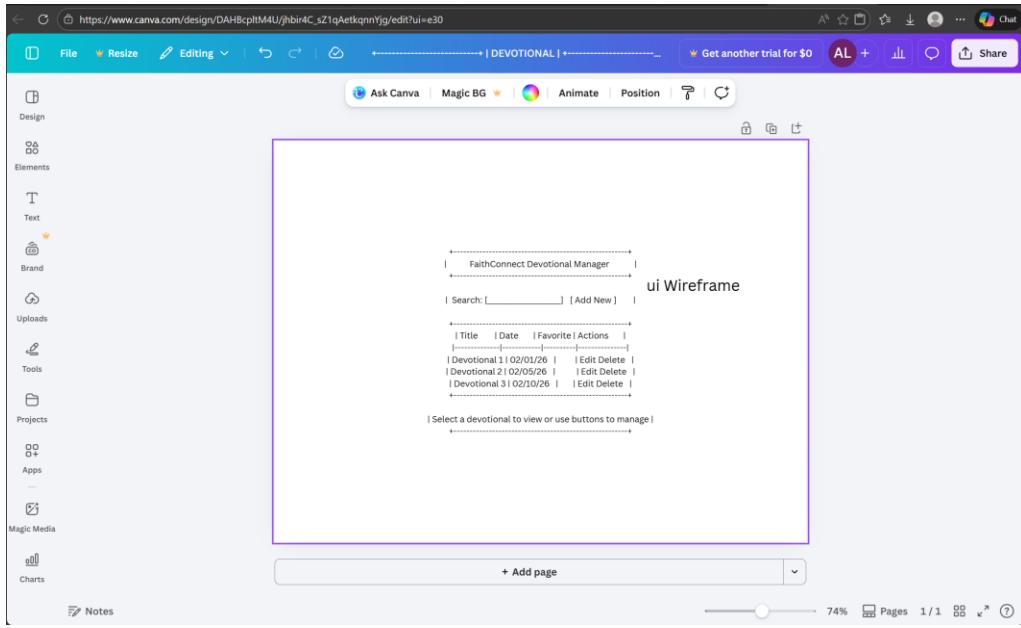
ER Diagram



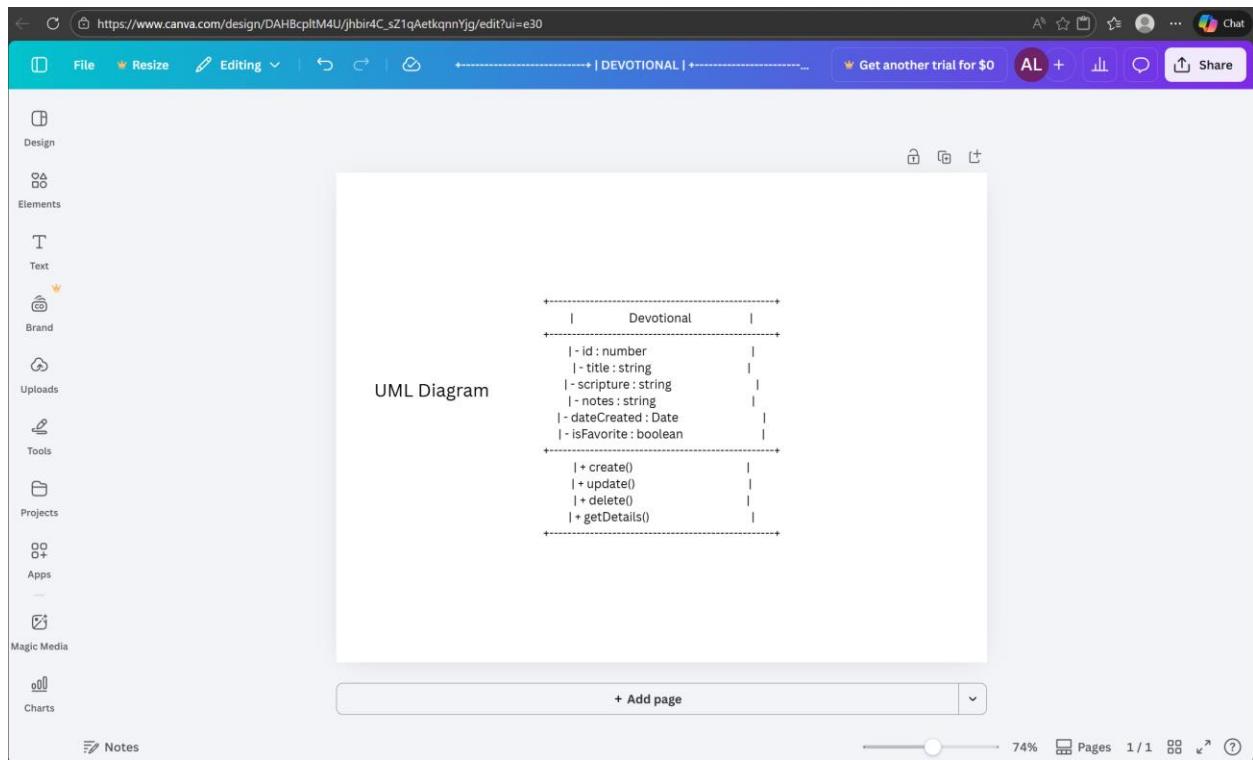
UI Sitemap



UI Wireframe



Uml Diagram



Risk /Unknowns

- Learning how to use both **Angular** and **React** may take extra time since they work differently.

- The front-end apps might have trouble connecting correctly to the REST API built with **Express.js**.
 - There could be issues setting up or connecting to the **MySQL** database.
- Managing time may be challenging because the project uses several technologies at once.
- Adding too many extra features could slow progress and make the project harder to finish on time.
- Differences between front-end and back-end validation could cause small bugs or data errors.