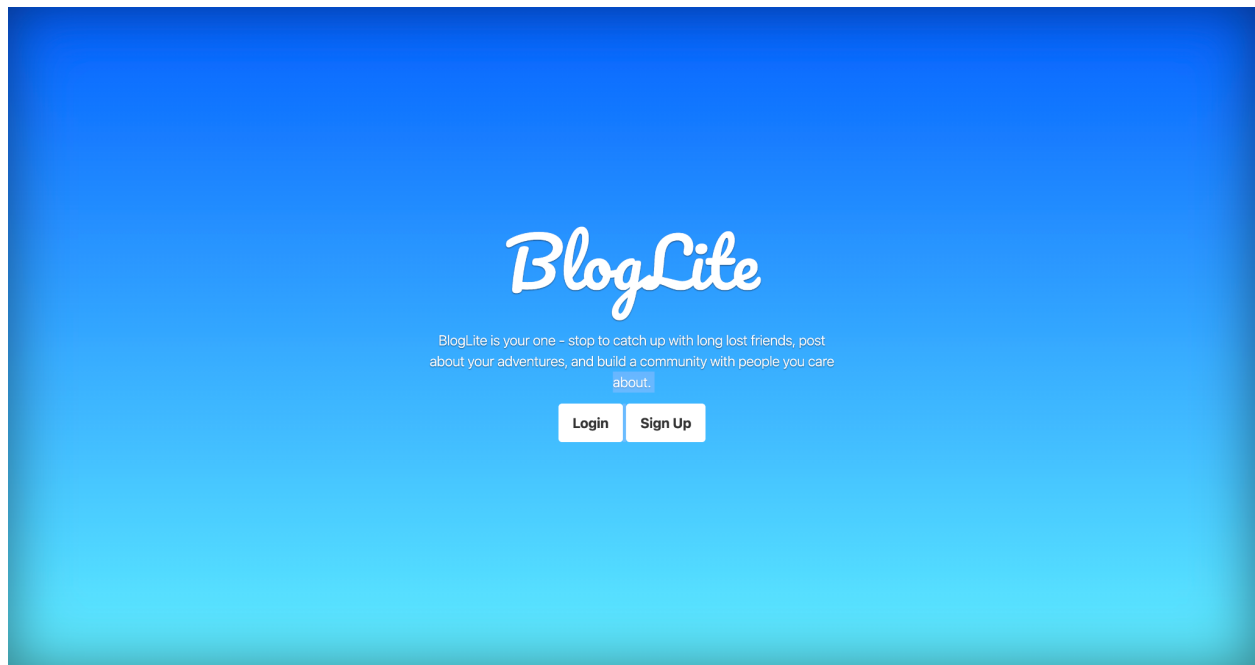


BlogLite

MAD-1 Project



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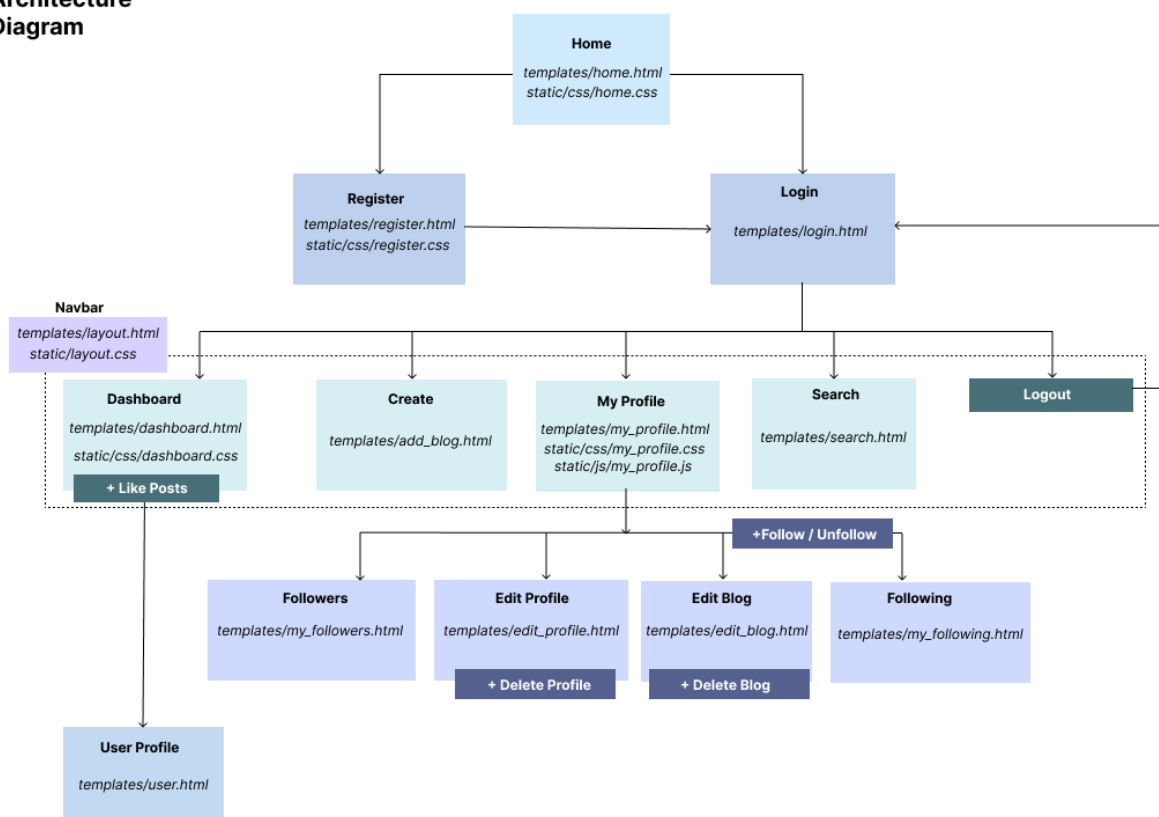
INTRODUCTION

BlogLite is a social media platform that allows people to share photos and posts, as well as follow their friends and like their posts. The following report provides an overview of the system design as well as any other infrastructure-related documentations (such as databases and user models).

FEATURES AND SYSTEM DESIGN

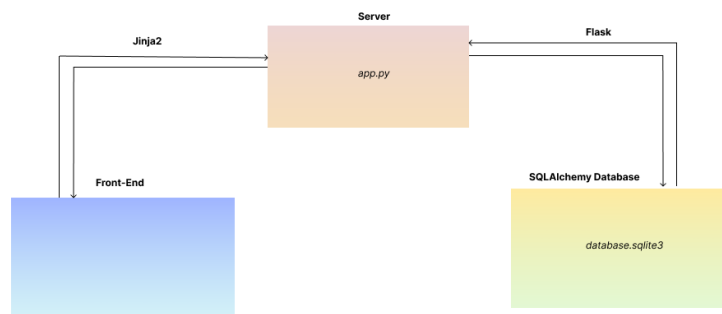
The following is an overview of the system design of the features and front-end functionality available on BlogLite:

Front - End Files System Architecture Diagram



Most features have their own HTML page, but some features such as delete profile / blog do not need one. These are denoted in the darker, smaller rectangles in the above diagram. Additionally, a navigation bar has been included in some of the pages, which has been created in the layout.html page and extended to relevant HTML pages.

**BlogLite Application
System
Architecture
Diagram**



The application uses a templating engine (Jinja2) to communicate between the business logic (server, app.py) and the frontend functionalities. It also uses a database to store any relevant data, and communication between the server and the database is carried out by a web framework (Flask).

MODELS

There are 5 models that correspond to 5 different tables:

- 1) User: metadata related to a user (eg: name, username, profile pic)
- 2) Article: metadata related to a blog post (eg: title, content, picture)
- 3) Article Authors: list of authors and their respective posts
- 4) Follow: list of who follows who
- 5) Like: list of blog posts and the user IDs of those who liked it