Team E and F (Karl Hernandez, Eric Lo, Amelia Chin, Ari Schechter)
SoftDev
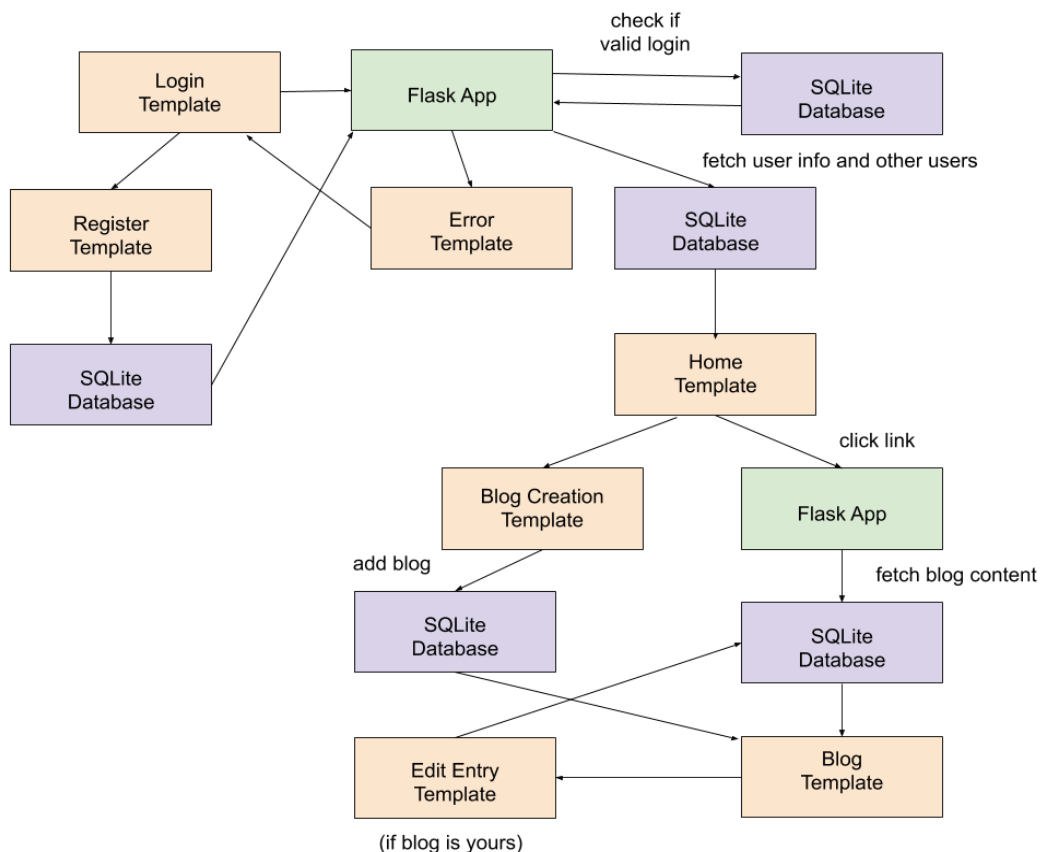P0 -- Da Art of Storytellin' (Pt. 2) DESIGN DOCUMENT
2021-01-04

Program Components and Role of Each:
- **Flask App**: our app framework, manages all our routes
- **Jinja Templates**: has variables and expressions that will be replaced with values when rendered
  - login
  - home
  - user profile
  - error
  - blog creation
  - other user's blog
  - register
  - your blog
  - edit entry
- **SQLite Databases**: holds our information (users, passwords, blog entries, etc) to be used for our site
  - **Database Python Builder**: builds the database in a Python app
- **HTML/CSS Files**: code and styling for our front-end pages

Component Map:

Database Organization:

List of Users:

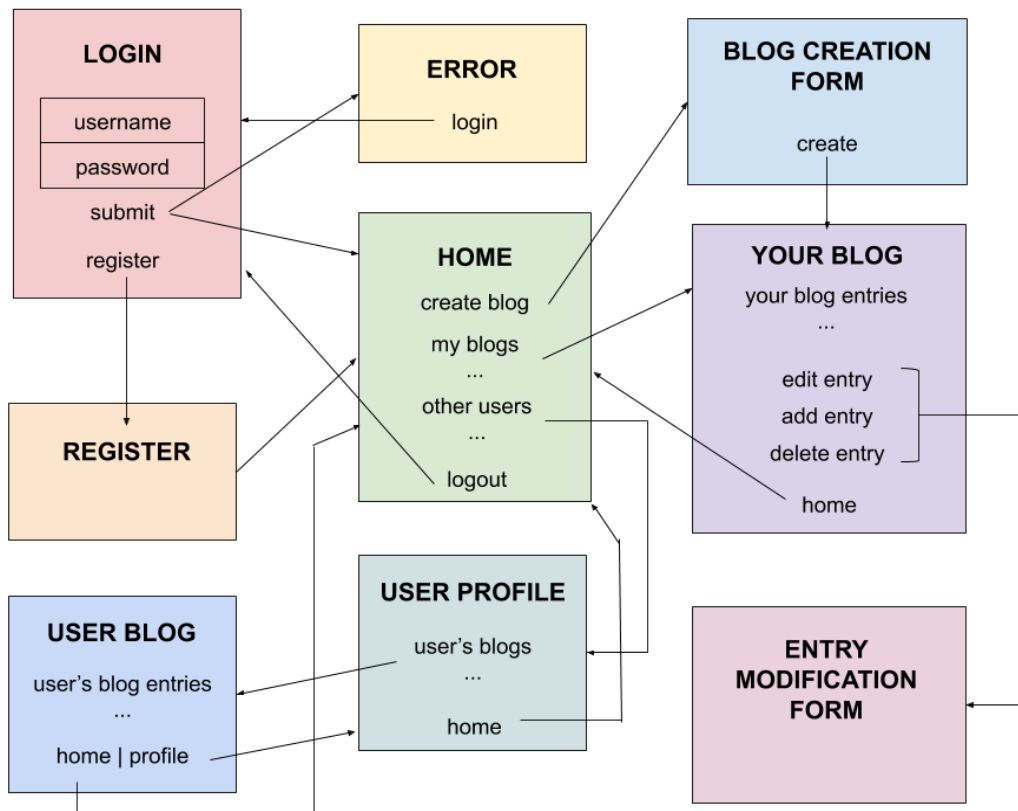| username	password	id
TEXT	TEXT	INT PRIMARY KEY

List of All Blogs:

user id	username	blog title	blog id	date created	blog bio
INT	TEXT	TEXT	INT PRIMARY KEY	TEXT	TEXT

List of All Entries:

blog id	username	entry id	entry title	entry content (text only)	date created
INT	TEXT	INT PRIMARY KEY	TEXT	TEXT	TEXT

Site Map:

<u>Breakdown of Tasks</u>:
- make Python database builder that will create the SQLite tables -- Ari, Karl
    - Python commands/functions to help access, insert, etc data
- make Flask app with different routes -- Eric
    - login, logout, register, error functionality
    - creating a blog
    - editing, adding, deleting entries
    - viewing other users' profiles
    - viewing your blog
    - viewing other users' blogs
- make Jinja templates -- Amelia, Karl
    - HTML: Amelia
    - CSS/Bootstrap: Karl
    - template for login
    - template for register
    - template for error
    - template for home
    - template for user profile
    - template for users' blog(s)
    - template for your blog(s)
    - template for blog creation
    - template for edit/add/delete blog entries

<u>Timeline</u>:
- **Jan 6**: first attempt at fully functional site (as seen in site and component map)
    - templates, check if session works
- **Jan 8**: testing, fixing bugs, check if editing/adding/removing functionality works, all pages should connect to each other, CSS styling