

TNPG: TruthTellingGateOpeningBoyEmployees
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SoftDev pd7
P5 – final project design doc
2023-05-31
Time Spent: 1.5 hrs

Abstract:

_____ is a social media site that allows users to friend one another, message friends, and find new friends.

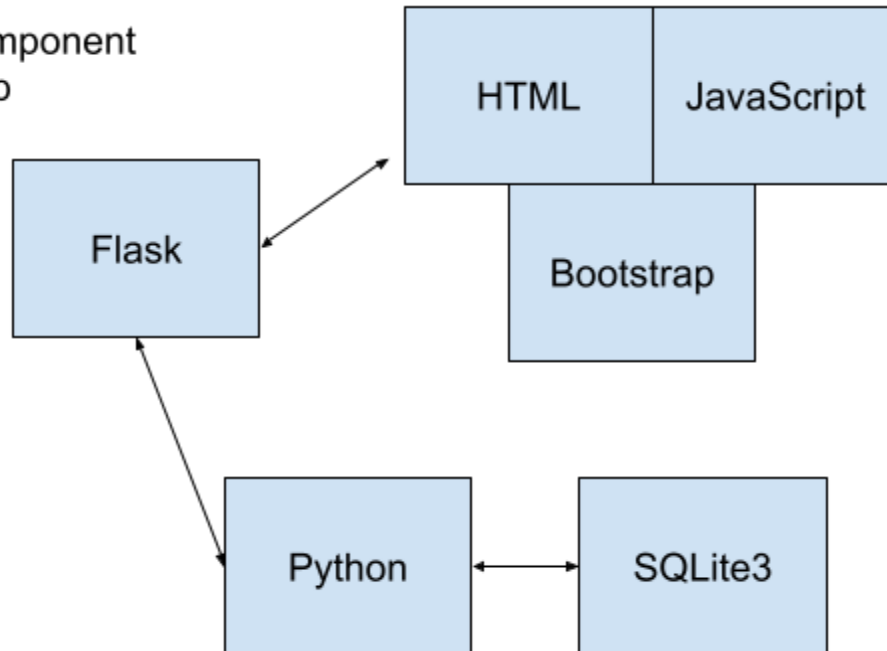
Components:

- FEF – Bootstrap (Emerson)
 - front-end framework to display webpage in nice orderly fashion
 - Make use of cool js animations and features
 - using grid layout, navbar
- JavaScript (*Aden*)
 - Cool animations for buttons and messaging
- Sqlite3 (*Verit*)
 - Stores all user info (friends, messages, profile info)
- HTML
 - Jinja syntax to collaborate with Flask
 - Templates to be rendered by Flask
- Python
 - `__init__.py` uses database functions from `db.py` which holds all database functions
 - middleware
- Flask
 - Our web server and delivery framework
 - Renders html templates to browser
- no APIs currently

How does each component relate to each other?:

- Bootstrap will nicely display information stored in database (mutuals, messages)

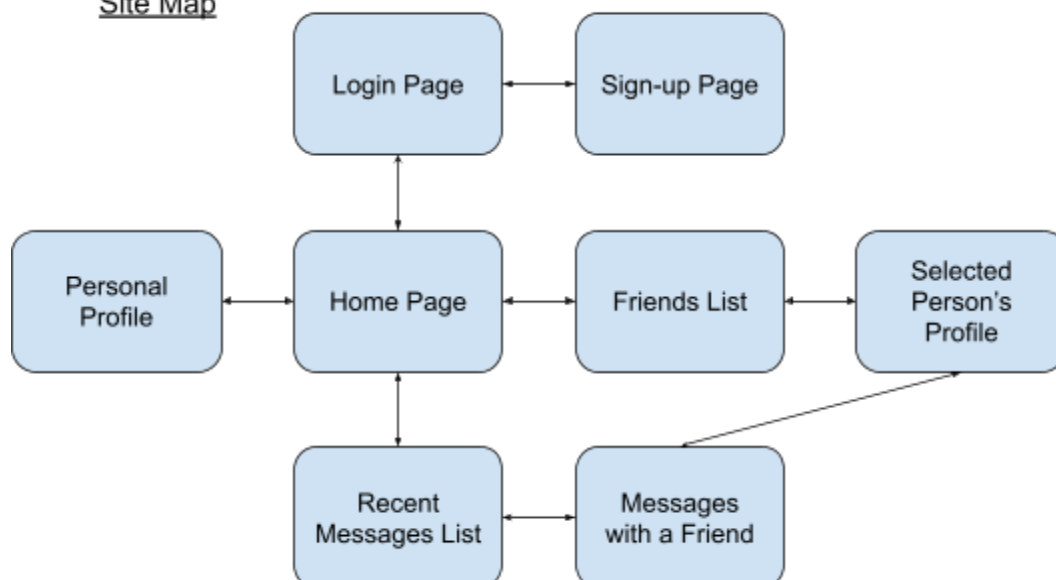
Component Map



Database Organization:

- users table: user_id, username, password, phone_number, e-mail, bio
- friends table: pair_id, friend_0_id, friend_1_id
- messages table: date, time, sequence_id, pair_id, message

Site Map



- Login Page
 - Sent here by root if not logged in
 - Form to fill in username, password to login
 - Upon login sent to Home Page
 - Button to go to sign-up page
- Sign-up Page
 - Form asking for credentials to sign up
 - Asks for username, password, real name, e-mail, phone number
 - Upon sign up sent to Home Page
 - Button to go to login page
- Home Page
 - Sent here by root if logged in
 - logout button that sends to Login Page
 - able to search for a user
 - recommends new friends based on the friends of your current friends
- Personal Profile
 - view personal details
 - option to set a bio
- Recent Messages List
 - list of your chats with a friend with most recent activity
 - displays the friend, last message sent and time it was sent
- Friends List
 - list of friends
 - search feature
- Selected Person's Profile
 - info about a person including bio
 - option to view your messages with that person if friended
 - option to send friend requests if not friended
 - shows mutual friends
- Messages with a Friend
 - your chat history with date, time
 - be able to send/view messages

Tasks: