Week 1 Assignment - Web App Tour

Q1. Investigate the Flask app

First, get a sense of the application.

1. Visit the live site: https://lsls.up.railway.app/
   a. Create a short link by entering a URL in the box
   b. Enter the shortened url in your browser
   c. Note that you are redirected to the original site

2. Navigate the [source code on Github for the _Flask_ version of the app](https://github.com/kiboschool/link-shortener/tree/main/flask). If you prefer, clone code for the whole repository onto your machine.
   a. Read `README.md` first to get an overview of the code.
   b. Scan `app.py`, which has the application logic
   c. Check out the files in the `static/` and `templates/` folders. (It's CSS, an image, and HTML!)
   d. Peek at `initdb.py` and `schema.sql`. They configure the database for the application.

3. Answer the following questions for the Flask version of the application.

Q1.1. Database

What database does the app use to store the Urls?

Q1.2. Template file

What template file shows all of the Urls that have been created?

Q1.3. Steps to run locally

What steps would you follow to run the app locally (on your computer)?_Note: You don't have to run this app, but you can if you like!_

Q1.4. Missing Short Url

When a user tries to access a short url that does not exist...

What lines of code run?What happens? Describe the result in your own words.

Q1.5. Which file typically contains SQL commands to define the structure of the database?

A. database.py

B. app.py

C. schema.sql

D. config.sql

Q1.6. To delete a table in SQL, which command is typically used?

    A. SELECT

    B. INSERT

    C. CREATE

    D. DROP

Q1.7. To run a Flask app, which command is typically used in the terminal?

    A. run-flask

    B. flask-app

    C. python app.py

    D. execute-flask

Q1.8. In Flask, routes are typically defined using which decorator?

    A. @path

    B. @route

    C. @url

    D. @link

Q1.9. In Flask, where are static files like CSS and JavaScript typically stored?

    A. /templates directory

    B. /views directory

    C. /static directory

    D. /assets directory

Q1.10. Which template engine does Flask typically use?

A. EJS

B. Handlebars

C. Jinja2

D. Pug

Q1.11. The requirements.txt file is primarily used to:

A. List application features

B. List Python dependencies

C. Provide application documentation

D. Configure application settings

Q1.12. Which SQL command is primarily used in the schema.sql file to create tables?

A. SELECT

B. INSERT

C. CREATE

D. DROP