

Homework 13: CRUD Web App

CS 250: Web Dev

For this assignment, your task is to create a database-driven **CRUD** web application from. Your data can be anything: e.g., bikes, skis, Pokémon, dragons, climbing gear, etc.; i.e., whatever you want.

REQUIREMENTS

- must use Python3 and Flask microframework
- must use sqlite and flask_sqlalchemy ORM as the database engine
 - database must have *at least one table*
 - table must have *at least 4 columns* (including primary key)
 - table must have *at least one numeric column*
- must use **template inheritance**
- must have a **nav bar** with links to **/**, **/create**, and **/read**
- Handle 5 routes:
 - **/**
 - **/create**
 - **/read**
 - **/update/<id>**
 - **/delete/<id>**
- **/** => home page
 - Have basic instructions for user
- **/create** => *create a database entry*
 - **GET** request: renders *HTML form* for user to enter information
 - Submit form via **POST** request
 - Create entry in database
 - *Redirects* user to **/read** route
- **/read** => *reads all entries in database*
 - must display a table of **all** database entries
 - must include *links to update and delete* each entry
- **/update/<id>** => *updates database entry with primary key <id>*
 - **GET** request: renders *populated HTML form* containing entry data
 - Submit form via **POST** request
 - Updates entry in database
 - *Redirects* user to **/read** route
- **/delete/<id>** => *deletes database entry with primary key <id>*
 - Deletes entry with primary key id
 - *Redirects* user to **/read** route

Submit your entire project (i.e., all files: html, css, py, and sqlite) as a zip file to Canvas.

EXAMPLE: see Canvas