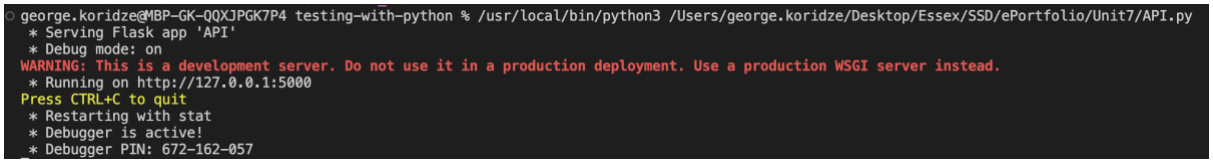
Developing an API for a Distributed Environment

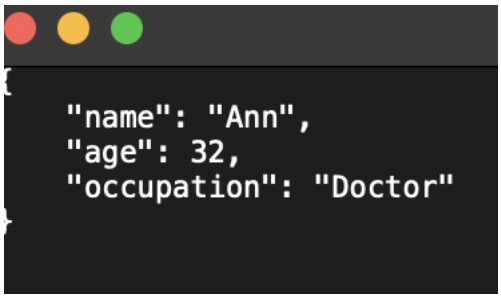
Question 1



Question 2

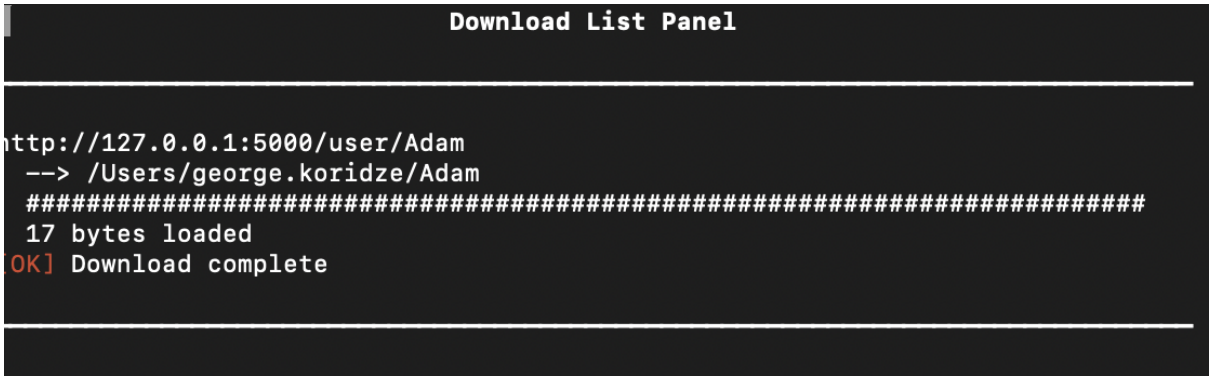
Run: w3m http://127.0.0.1:5000/user/Ann

Output:



Question 3

Run: w3m http://127.0.0.1:5000/user/Adam



Question 4

1. **Routing:** Define endpoints and map them to Python functions (e.g., /user/<string:name>).
2. **Request Parsing:** Handle GET, POST, PUT, and DELETE HTTP methods with ease.
3. **Debugging:** Provides an integrated development server with debugging features.
4. **Extensibility:** Supports additional libraries like Flask-RESTful to simplify API creation.
5. **Template Rendering:** Offers tools to render HTML templates for full-stack web development.
6. **Scalability:** Allows for the development of simple APIs and complex web applications alike.

This makes Flask an excellent choice for developing APIs and small-scale web applications.