API Test

Scenario

Qubix's CloudBridge technical infrastructure includes an API Gateway. The gateway offers a Bridge object, on which a number of operations are performed. Bridges contain information such as name, type (Oracle PBCS or BICS), username, and password.

Your task is to design, develop and deliver to us your version of a set of Bridge operations. Your solution should meet our functional and nonfunctional requirements below.

Functional Requirements

Your API must offer the following operations:
- Fetch a bridge by id
- Fetch all bridge for a specific type (should paginate)
- Update an existing Bridge
- Store a new Bridge
- Delete a Bridge

Don't include any client code e.g. HTML

The service should provide a set of RESTful JSON based routes

Non-functional Requirements

- The service must be built using a modern web application framework
- The code should be 'production ready'
- The service should use the accompanying CSV list of Bridges as the primary data source, which can be loaded into memory (please don't use a database). Feel free to generate additional test data based on the same scheme if it helps.

Please also ensure the following

Finished task should be submitted via email as a ZIP or GZIP attachment. The attachment should include a README file explaining
- How to use your solution
- Your reasons for your choice of web application framework
- Explain how your solution would cater for different API consumers that require different recipe data e.g. a mobile app and the front-end of a website
- Anything else you think is relevant to your solution

Qubix