Final Project: Scenario and Review Criteria

Estimated time needed: 15 mins

You have been hired by CheckNBuy, a product comparison company, to deploy and provide API endpoints for their application. The application is composed of multiple microservices, each serving a specific purpose. We have two backend microservices named Product Details and Dealer Pricing.

Your task is to deploy these microservices using serverless (Code Engine) and obtain URLs to access their respective API endpoints. You will be provided with two different repositories containing the code for these microservices: one for the Product Details microservice, implemented in Python, and another for the Dealer Pricing microservice, implemented using Node.js.

Additionally, you will clone another repository containing the code for the front-end microservice named Dealer Evaluation microservice, which will utilize the API endpoints provided by the Product Details and Dealer Pricing microservices to allow end users to search for products, view dealer information, and compare prices.

After deploying all microservices, you will access the front-end application through its deployment URL. Your task is to showcase the seamless integration of the microservices by providing screenshots of the final application.

Review Criteria – 15 marks total

1. Deploy the Microservice for Product Details (Python) and take a screenshot of the successful deployment on Code Engine. **2 pts**

- **0 pts**: No deployment attempted.
- **1 pt:** Deployment attempted, but not successful.
- **2 pts:** Deployment attempted and is successful.

2. Deploy the Microservice for Dealer Pricing (Node.js) and take a screenshot of the successful deployment on Code Engine. **2 pts**

- **0 pts**: No deployment attempted.
- **1 pt**: Deployment attempted, but not successful.
- **2 pts**: Deployment attempted and is successful.

3. Git clone the Dealer Evaluation (Frontend) Microservice from the provided Git URL and take a screenshot of the cloned repository. **1 pt**
4. Change the code to point to the API endpoints in the placeholders, using the deployed URLs, and take a screenshot of the code change in index.html. **2 pts**

- **0 pts**: No URLs are changed.
- **1 pt**: One of the placeholders is changed to point to the right deployment URL.
- **2 pts**: Both placeholders are changed to point to the right deployment URLs.

5. Deploy the Dealer Evaluation Frontend Microservice and take a screenshot of the successful deployment on Code Engine. **2 pts**

- **0 pts**: No deployment attempted.
- **1 pt**: Deployment attempted, but not successful.
- **2 pts**: Deployment attempted and is successful.

6. Open the deployment link and take a screenshot of the homepage showing the products preloaded in the dropdown. **2 pts**

- **0 pts**: Homepage doesn't load or no deployment link available.
- **1 pt**: Homepage loads but the products list is not populated.
- **2 pts**: Homepage loads and the products list is populated.

7. When a product is selected from the dropdown, the dealers supplying the product should be listed. Take a screenshot of the same. **1 pt**

- **0 pts**: No output is displayed.
- **1 pt**: The dealers supplying the product are listed.

8. When a dealer is selected for a product, the price offered by the dealer should be displayed. Take a screenshot of the same. **1 pt**

- **0 pts**: No output is displayed.
- **1 pt**: The price offered by the dealer for the product is displayed.

9. When all dealers are selected from the list, the price of all dealers offering the product should be displayed. **2 pts**

- **0 pts**: No output is displayed.
- **1 pt**: Only one dealer pricing is displayed, though there are more dealers.
- **2 pts**: All dealer's pricing is displayed.

The images submitted should not be sample screenshots.

Next Steps

Be sure to read the Overview before starting the step-by-step instructions.

Author(s)

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