Final Project: Scenario and Review Criteria

Skills Network

Estimated time needed: 1.5 hours

You now know how to deploy an application from the local directory or a remote git repsitory, and provide the environment it may require, to create an API end point.

In this scenario, you have been hired by CheckNBuy, products comparison company to deploy and provide API end points that will allow the end users to find the dealers for the products they want to buy. They can then find the rates offered by the dealers for each of these products and compare them to get an idea of competitive pricing. There is scope for future enhancements with adding of more end points through microservices.

For this project, you will be provided with two different repositories. One repository has the existing code for a Node.js application and Python application. Your task is to deploy these applications on Code engine and obtain URL to access the API endpoints. You are then asked to clone another repository which will use these API end points and deploy the front-end application. You will access your front-end application through the deployment URL and showcase how seamlessly you have integrated the microservides with screenshots for the final submission.

This project will be graded by your peers who are also completing the course during the same session. This project is worth 15 marks of your total grade, and is distributed as follows:

Review Criteria – 15 marks total

1. Deploy the Python application for Products Details 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 Node.JS application for Dealer Details 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 frontend application from git url provided and take a screenshot of the same. **1 pt**

4. Change the code to point to the API endpoints in the place holders, from the deployed URL and take a screenshot of the code change in index.html. **2 pts**

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

5. Deploy the front-end application 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 home page showing the products preloaded in the dropdown. **2 pts**

   - **0 pts** Home page 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 the product is selected from the drop down, the dealers that supply the product should be listed. Take a screenshot of the same. **1 pt**

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**

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

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

Date	Version	Changed by	Change Description
2023-01-09	1.0	Lavanya	Initial version created

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