**Women Elevate Program: Lab 5 – Explore Generative AI in Azure AI Foundry Portal**

Note:

- This lab uses Azure AI Foundry at https://ai.azure.com
- The Azure AI Foundry resource is pre-configured to be used in this lab.
- Gpt-4o model has been pre-deployed to be used in this lab

**Lab Overview:**

Generative AI describes a category of capabilities within AI that create content. People typically interact with generative AI that has been built into chat applications. In this exercise, you try out generative AI in Azure AI Foundry portal, Microsoft's platform for creating intelligent applications.

This exercise takes approximately 20 minutes.

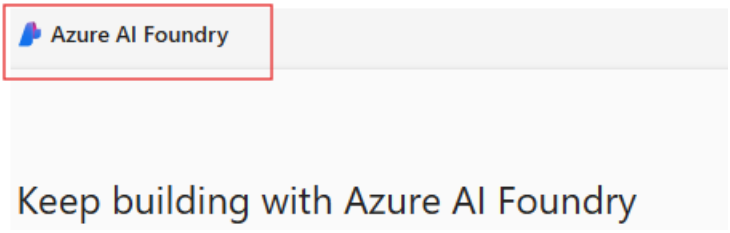
**Lab Steps**

**Step 1: Log in to the Azure AI Foundry Portal**

1. In a web browser, open the Azure AI Foundry portal at https://ai.azure.com
2. Sign in using your provided Azure credentials.
3. Verify that the Azure AI Foundry portal page loads successfully.
4. Close any tips or quick start panes that are opened the first time you sign in.

**Step 2: Open the project in Azure AI Foundry Portal**

1. On the top left of the page, click on the **Azure AI Foundry** button




5. Click on the available resource **"WEFoundryProject"** under "Resource name"

6. When the project opens, you will be taken to an Overview page of the project details.
2. On the left-hand menu on the screen, select **Playgrounds**.
   *Note*: *Expand the menu to read its contents by clicking on the top 'expand' icon*.

**Step 3: Explore generative AI in Azure AI Foundry's chat playground**

1. In Azure AI Foundry's Playgrounds page, select **Try the Chat playground**. The Chat playground is a user interface that enables you to try out building a chat application with different generative AI models.

   *Note*: *If you do not see the **Setup** pane appear on the Chat playground screen, expand the window size*.

2. In order to use Chat playground, you need to associate it with a deployed model. In the Chat playground's *Setup* pane, select the available **gpt-4o** model from the dropdown.
   *Note: the gpt-4o model has been pre-deployed to use in this lab. In the chat playground, you can use your deployed model when it appears in the Deployment selection menu*.

3. Navigate to the *Chat history* pane. You will use the query box to enter your prompts.

4. Consider the following ways you can improve responses from a generative AI assistant:

   - Start with a specific goal for what you want the assistant to do
   - Iterate based on previous prompts and responses to refine the result
   - Provide a source to ground the response in a specific scope of information
   - Add context to maximize response appropriateness and relevance
   - Set clear expectations for the response

5. Let's try generating a response using a prompt with a specific goal. In the chat box, enter the following prompt:

   | |
   |---|
   | I'm planning a trip to Paris in September. Can you help me? |

7. Review the response. **Note**: Keep in mind that the specific response you receive may vary due to the nature of generative AI.

8. Let's try another prompt. Enter the following:

> Where's a good location in Paris to stay?

9. Review the response, which should provide some places to stay in Paris.
10. Let's iterate based on previous prompts and responses to refine the result. Enter the following prompt:

> Can you give me more information about dining options near the first location?

11. Review the response, which should provide dining options near a location from the previous response.
12. Now, let's provide a source to ground the response in a specific scope of information. Enter the following:

> Based on the information at https://en.wikipedia.org/wiki/History_of_Paris, what were the key events in the city's history?

13. Review the response, which should provide information based on the provided website.
14. Let's try to add context to maximize the relevance of the response. Enter the following prompt:

> What three places do you recommend I stay in Paris to be within walking distance to historical attractions? Explain your reasoning.

15. Review the response and reasoning for the response.
16. Now try setting clear expectations for the response. Enter the following prompt:

> What are the top 10 sights to see in Paris? Answer with a numbered list in order of popularity.

17. Review the response, which should provide a numbered list of sights to see in Paris.
18. When you are done, you can close the browser window.