A notebook and ruler on a yellow surface

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**Topic**: Build Prompt AI and embed your custom AI within Power Apps

**Use Case:** RFP Content review and recommendations using AI Prompt & GPT

**Business Value:**

* Utilize Microsoft AI Hub & AI Prompt models to generate outputs that the business needs with accuracy, suggestions, and enhancement.
* Customize the AI prompt and add that to power apps for end user experience.
* Plug the AI prompt into Power Automate for approval and notifications.

**Field Use Cases:**

Some of the potential use cases but not limited to these.

* **Prof Services**: AI generated recommendations for RFP / SOW response to customers by GSI, partners, tax and audit firm. Evaluate against customer requirements to ensure quality and relevance.
* **HR Dept**: Scan resumes against job description to let AI model recommend the best fit there by saves time and ensures quality resumes are shortlisted.
* **Law/Legal**: Utilize AI Prompt model against critical document submission to government, client, and partners.
* **MFG**: SOP documentation updates using AI Prompts to validate and create field/shop floor instruction manual based on company’s safety policies, regulations, and rules.

**Solution Stack:**

Microsoft Power Platform | AI Hub |GPT |Power Automate | Prompt Customization

**Sample:**

A screenshot of a computer

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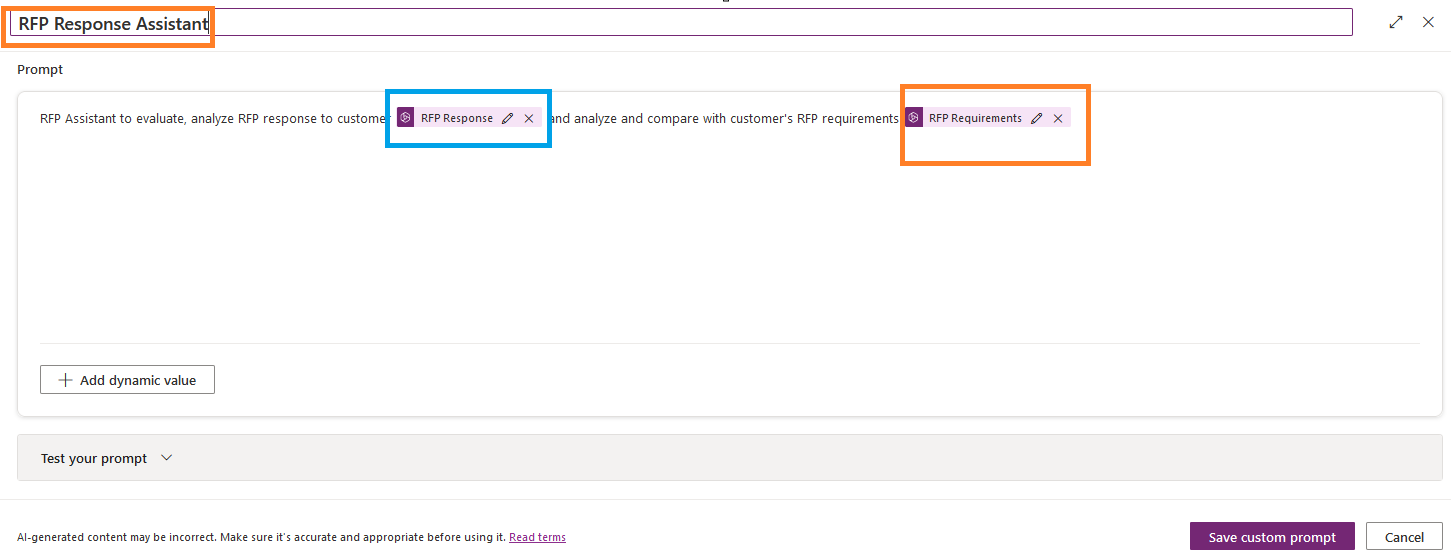
Steps:

* Got to make.powerapps.com 🡪 AI Hub🡪Choose Create text with GPT using a prompt AI model.
* Ensure your Power Platform environment is in the region that supports these features. In this case, I’m using USA/USA\_Preview Environment

A screenshot of a computer

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* Create custom prompt and name it as you like, in this case it is called as RFP Response Assistant
* You will need an input variable and output variable as highlighted below. RFP Response and RFP Requirements are those.



* Save the prompt and click on the Test custom prompt button.
* You will need to provide input samples to test your scenario.
* Detailed and specific inputs will yield better results through AI prompt.

A screenshot of a computer

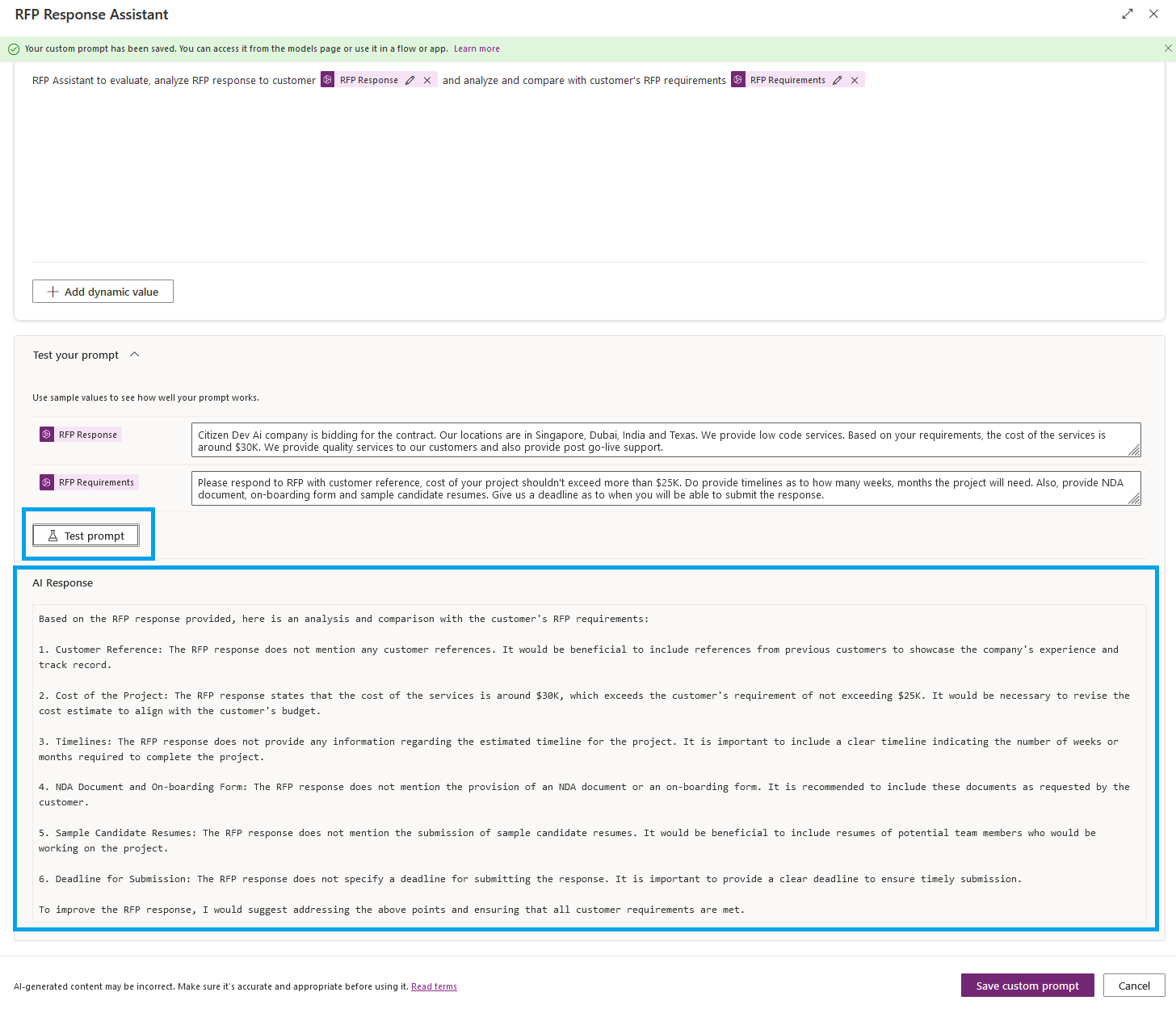
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Only a sample text input applied here. We can utilize automation functions for document input as well.

A close up of a text

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Click on test prompt and AI prompt model will start the action and provide you with the results.



* The results are available for you to review, approve and take the next best actions.
* You can share the prompt with other users for reference. However, prompt in an app will be more meaningful and productive for end users.

**Using AI Prompt as GPT generated text output in Power Apps for users to consume.**

* We shall then utilize this prompt in the Power Apps concepts so we can share the prompt in app form for users to use as part of their job.
* Head over to make.powerapps.com and create a screen with 3 text input boxes.
  + 1 for RFP requirements
  + 1 for RFP response
  + 1 for AI to process the results as output to users.

A screenshot of a computer

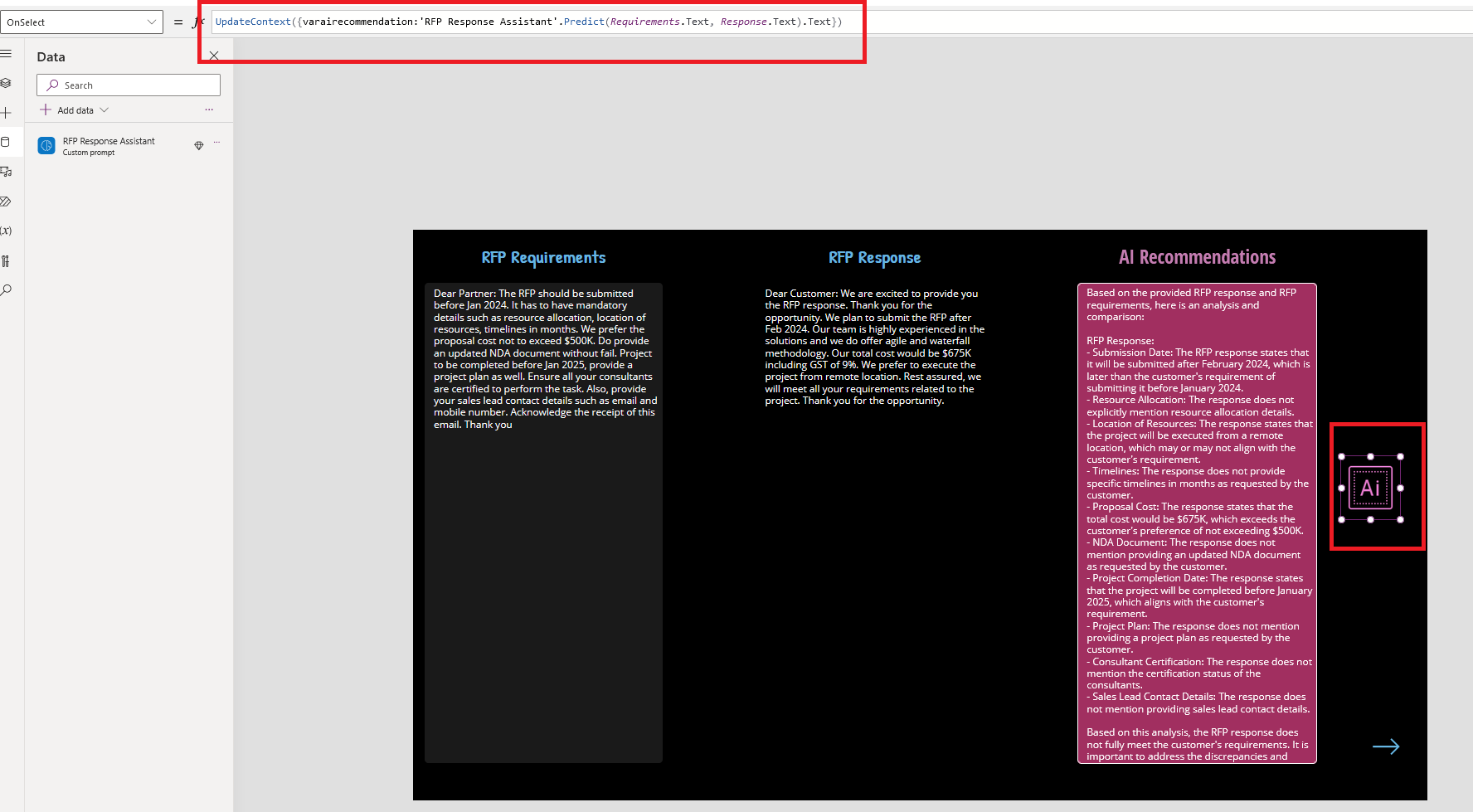
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Data source should point to the custom prompt that you created. In this case it is called RFP Response Assist

A screenshot of a computer

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On click of AI button, call the prompt as a variable which reads both requirements and response and insert the output in the AI recommendation text box.



**Sample Prompt:**

**A screenshot of a document

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**Responsible AI App:** Make sure there is a layer of approval against the data generated before it is used or sent to other parties or internal to your team. In this case, we can add a Power Automate Flow and send the approvals to TEAMS and have an added email button which sends the AI generated output via outlook or any email/SMTP/POP3 provider.

A pink envelope with a blue line

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Email Output of the AI response:

A close-up of a computer screen

Description automatically generated

Teams’ approval over the AI response generated:

A screenshot of a computer

Description automatically generated

**Comments**:

AI prompt is a great addition to the AI Hub within Power Platform for business users to utilize. Though this sample only covers ‘text’ as input and output, utilize pro-dev method along with Azure AI Doc automation capabilities for file ‘attachments’ which uses the same concept.