Code Interpreter MVP feature list, July 1, 2024

1. **Input:**

   Code can be input. In a form of a:

   • Code in a prompt

   • Code in an attached file, like .json, .cpp, .ts. Fill list is below.

   Code interpreter can take the following 27 file types, listed in the "Supported file formats" list in the Slack channel bookmark, and here. Included here are documents, images, code, etc: https://learn.microsoft.com/en-us/azure/ai-services/openai/how-to/code-interpreter?tabs=python

   - Excel files are included in this list, .xlsx and .csv, just FYI
   - Natural language prompts
   - The supported file formats include images, such as .jpg, .gif and .png. So it is likely that user can upload an image of a chart, and ask questions about it.

   Output: code, natural language and charts and diagrams.

2. **The UI is** a combination of the single prompt web UI skill template, and chat skill. In the chat section, chat is a continuous exchange, like all other other chat skills. Code Interpreter is NOT a single-prompt skill.

3. **Skill page description is a dropdown.** "What you can do in Code Interpreter" is not just a line of text. At the end of that sentence, is a dropdown, in a form of a "See more" – "See less".

4. Chat area is white. Background is light gray.

5. **Chat components are from the Copilot Kit:** chat input box, prompt and response are from the Copilot Kit. Same components that are used in CWYD and BYOA.

6. **Attaching document icon is a new component.** The chat input box has a paper clip icon inside. That's a new component. That's where files are attached.

7. **Hyperlinks that launch into modal windows.** Underneath the chat input box are two hyperlinks, that launch modal windows:

   • Supported file formats. See all file formats here: https://learn.microsoft.com/en-us/azure/ai-services/openai/how-to/code-interpreter?tabs=python

   • File size and storage. See Figma for content.

8. **Inline error messages:** As of now, we know 3 error messages that will display as inline messages:

   - When there's a problem with a file user is trying to upload. It could be encrypted.
   - When file is over 100MB.

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- When file Code Interpreter created – expired. Disabled text and icon are optional (see Figma). If too hard to implement that, don't worry about it. Cause it needs to turn disabled after 1 day. So maybe not esy to implement. But we have to have an error message.

- Note: nothing changes or happens to the files user uploaded. They also expire after 1 day. But user cannot do anything with them. Cannot click on them or activate them in any way. So no need for any kind of messaging.

9. **Charts display and function.** Charts are one of the outputs of the Code Interpreter. In the chat exchange, charts display as thumbnails. In MVP, user can only download that chart. There is no way to see it larger in the Code Interpreter UI, for now. We are aiming to add that as Day #2.

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