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**Re: [EXTERNAL]JPMC - Hackathon Prep (Weekly Sync)**

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**Frade, Andre** <andre.frade@jpmchase.com>

To: Souvik Mukherjee &lt;iamsouvik@google.com&gt;

Cc: Nuno Pereira &lt;nzp@google.com&gt;, Rohan Fernandes &lt;rohanfernandes@google.com&gt;, Brant Hummel &lt;branth@google.com&gt;, Abhinav Rau &lt;arau@google.com&gt;, "Cornally, Kevin C" &lt;kevi&lt;br&gt;&lt;angus.sunderland@jpmorgan.com&gt;, "marcus.kaiser@jpmchase.com" &lt;marcus.kaiser@jpmchase.com&gt;, "Moran, Sean J" &lt;sean.j.moran@jpmchase.com&gt;

Hi Souvik,

This is great, thank you for sharing.

Best,

Andre

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**From:** Souvik Mukherjee <iamsouvik@google.com>**Sent:** 24 April 2024 18:39**To:** Frade, Andre <andre.frade@jpmchase.com>**Cc:** Nuno Pereira <nzp@google.com>; Rohan Fernandes <rohanfernandes@google.com>; Brant Hummel <branth@google.com>; Abhinav Rau <arau@google.com>; Cornally, Kevin C (CTC <angus.sunderland@jpmorgan.com>; Kaiser, Marcus <marcus.kaiser@jpmchase.com>; Moran, Sean J <sean.j.moran@jpmchase.com>**Subject:** Re: [EXTERNAL]JPMC - Hackathon Prep (Weekly Sync)

Hi Andre,

Thanks for reaching out. Attached is one of the sample notebooks and json output for your reference.

Please note- as I was not aware of how exactly you wanted to execute the challenge scenarios, my notebook does vary a little from what you executed yesterday.

**Notebook Details-**

- Process Multiple Python Files from GCS:
  - Access and iterate through a set of Python files stored within a Google Cloud Storage bucket (for this example, we'll use 10 files).
- Consolidate File Contents:
  - Merge the contents of all Python files into a single, cohesive text string. Clearly demarcate individual file content using the actual filename as a separator.
- Optimize LLM Prompt:
  - Submit the consolidated text string as a comprehensive prompt to the Gemini 1.5 Pro large language model. This leverages the model's extended context window to process multiple files.
- Extract & Interpret LLM Response:
  - Capture and carefully parse the response generated by the Gemini 1.5 Pro model.
- Structure Output for Analysis:
  - Transform the parsed LLM response data into both CSV and JSON formats, facilitating subsequent in-depth examination and analysis.

As always, please feel free to reach out in case you have any follow up questions.

Best,

**Souvik Mukherjee | Customer Engineer (AI/ML) | Google Cloud**Select Banking  
iamsouvik@google.com  
(224)425.3557

On Wed, Apr 24, 2024 at 10:16AM Frade, Andre &lt;andre.frade@jpmchase.com&gt; wrote:

Hi everyone,

Thank you all for yesterday's great event.

@Abhinav Rau, @Souvik Mukherjee - Nuno mentioned that you ran the example prior to the hackathon and could share your solution. If possible, would you be able to share these notebooks our analysis and to highlight potential learnings for the teams.

For those in JCS tomorrow morning, it would be great to see you.

Many thanks,

Andre

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**From:** Cornally, Kevin C (CTC, IRL) <kevin.c.cornally@jpmchase.com>  
**Sent:** 23 April 2024 07:43  
**To:** Nuno Pereira <nzp@google.com>  
**Cc:** Rohan Fernandes <rohanfernandes@google.com>; Moran, Sean J <sean.j.moran@jpmchase.com>; Kaiser, Marcus <marcus.kaiser@jpmchase.com>; Brant Hummel <branth@google.com>; Angus Sunderland <angus.sunderland@jpmorgan.com>; Abhinav Rau <arau@google.com>; Souvik Mukherjee <iamsouvik@google.com>  
**Subject:** Re: [EXTERNAL]JPMC - Hackathon Prep (Weekly Sync)

We are aiming to be onsite at 8.45 at the agreed location.

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**From:** Nuno Pereira <nzp@google.com>  
**Sent:** Monday, April 22, 2024 10:33:41 AM  
**To:** Cornally, Kevin C (CTC, IRL) <kevin.c.cornally@jpmchase.com>  
**Cc:** Rohan Fernandes <rohanfernandes@google.com>; Moran, Sean J <sean.j.moran@jpmchase.com>; Kaiser, Marcus <marcus.kaiser@jpmchase.com>; Brant Hummel <branth@google.com>; Angus Sunderland <angus.sunderland@jpmorgan.com>; Abhinav Rau <arau@google.com>; Souvik Mukherjee <iamsouvik@google.com>  
**Subject:** Re: [EXTERNAL]JPMC - Hackathon Prep (Weekly Sync)

No, I am based out of the US, but was going to be in the UK & Europe area this week so I volunteered to help out.

On Mon, Apr 22, 2024 at 10:31 AM Cornally, Kevin C <kevin.c.cornally@jpmchase.com> wrote:

Ty

Are you the onsite contact?

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**From:** Rohan Fernandes <rohanfernandes@google.com>  
**Sent:** Monday, April 22, 2024 10:26:14 AM  
**To:** Cornally, Kevin C (CTC, IRL) <kevin.c.cornally@jpmchase.com>  
**Cc:** Moran, Sean J <sean.j.moran@jpmchase.com>; Kaiser, Marcus <marcus.kaiser@jpmchase.com>; Brant Hummel <branth@google.com>; Frade, Andre <andre.frade@jpmchase.com>; Rau <arau@google.com>; Souvik Mukherjee <iamsouvik@google.com>; Nuno Pereira <nzp@google.com>  
**Subject:** Re: [EXTERNAL]JPMC - Hackathon Prep (Weekly Sync)

hi Kevin,

the address is  
East Building, 1 Grand Canal Quay, Grand Canal Dock, Dublin, D02 FF61

my cell is +1.857.499.4852 (on WhatsApp +1.781.718.0357)

Brant is +1.267.303.2997

looking forward to seeing you all in person tomorrow.

Best,  
Rohan

On Mon, Apr 22, 2024 at 10:00AM Cornally, Kevin C <kevin.c.cornally@jpmchase.com> wrote:

Thanks Rohan,

Can we get the building number and contact information for the morning please.

My number is 00 353 86 195 7256 if needed.

Kevin

---

**From:** Rohan Fernandes <rohanfernandes@google.com>  
**Sent:** Friday, April 19, 2024 1:08 PM  
**To:** Cornally, Kevin C (CTC, IRL) <kevin.c.cornally@jpmchase.com>  
**Cc:** Moran, Sean J <sean.j.moran@jpmchase.com>; Kaiser, Marcus <marcus.kaiser@jpmchase.com>; Brant Hummel <branth@google.com>; Frade, Andre <andre.frade@jpmchase.com>; Rau <arau@google.com>; Souvik Mukherjee <iamsouvik@google.com>; Nuno Pereira <nzp@google.com>  
**Subject:** Re: [EXTERNAL]JPMC - Hackathon Prep (Weekly Sync)

Kevin,

Attached are the credentials along with the GCP projects assigned to each member group that will be joining on Tuesday April 23rd for the hackathon.

additionally, link to download the mp4 (780MB) from the office hours recording [here](#)

Marcus,

on your repo question, either should work, will connect with Abhi/Souvik later today and get back with the preference.

Best,  
Rohan

On Tue, Apr 16, 2024 at 9:57AM Cornally, Kevin C <kevin.c.cornally@jpmchase.com> wrote:

[@Brant Hummel](#)

Slight Personal change on Team 5. Jael not coming and Denny and Lu are coming instead.

Kevin

Team 1	Team 2	Team 3	Team 4	Team 5
Rakesh Patil	Igor David	Rachel Horner	Andrea Canitrot	<del>Jael Duran</del>
Kunal Chaturvedi	Sidharth Sahai	Pratik Dansingani	Kaushik MS	Bill O'Hanlon
Raghavendra Dake	Payal Wandhare	Anshika Sharma	Arun Kumar	Praveen Ghatta
				Thomas Denny

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**From:** Moran, Sean J <[sean.j.moran@jpmchase.com](mailto:sean.j.moran@jpmchase.com)>  
**Sent:** Wednesday, April 3, 2024 2:03 PM  
**To:** Kaiser, Marcus <[marcus.kaiser@jpmchase.com](mailto:marcus.kaiser@jpmchase.com)>; Cornally, Kevin C (CTC, IRL) <[kevin.c.cornally@jpmchase.com](mailto:kevin.c.cornally@jpmchase.com)>; Brant Hummel <[branth@google.com](mailto:branth@google.com)>  
**Cc:** Rohan Fernandes <[rohanfernandes@google.com](mailto:rohanfernandes@google.com)>; Frade, Andre <[andre.frade@jpmchase.com](mailto:andre.frade@jpmchase.com)>; Sunderland, Angus <[angus.sunderland@jpmorgan.com](mailto:angus.sunderland@jpmorgan.com)>; Abhinav Rau <[abhinav.rau@jpmorgan.com](mailto:abhinav.rau@jpmorgan.com)>  
**Subject:** RE: [EXTERNAL]JPMC - Hackathon Prep (Weekly Sync)

I will not be attending. Marcus and Andre will attend and represent AI2.

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**From:** Kaiser, Marcus <[marcus.kaiser@jpmchase.com](mailto:marcus.kaiser@jpmchase.com)>  
**Sent:** 03 April 2024 13:59  
**To:** Cornally, Kevin C (CTC, IRL) <[kevin.c.cornally@jpmchase.com](mailto:kevin.c.cornally@jpmchase.com)>; Brant Hummel <[branth@google.com](mailto:branth@google.com)>; Moran, Sean J <[sean.j.moran@jpmchase.com](mailto:sean.j.moran@jpmchase.com)>  
**Cc:** Rohan Fernandes <[rohanfernandes@google.com](mailto:rohanfernandes@google.com)>; Frade, Andre <[andre.frade@jpmchase.com](mailto:andre.frade@jpmchase.com)>; Sunderland, Angus <[angus.sunderland@jpmorgan.com](mailto:angus.sunderland@jpmorgan.com)>; Abhinav Rau <[abhinav.rau@jpmorgan.com](mailto:abhinav.rau@jpmorgan.com)>  
**Subject:** Re: [EXTERNAL]JPMC - Hackathon Prep (Weekly Sync)

Small correction:

Kevin, Andre, Angus and Marcus.

If I am no mistaken, @Moran, Sean J will not be able to attend(?)

BR,

**Marcus Kaiser, PhD** | Vice President – Applied AI/ML Lead (AI2) | **JPMorgan Chase** | 4 John Carpenter Street, London, EC4Y 0JP

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**From:** Cornally, Kevin C (CTC, IRL) <[kevin.c.cornally@jpmchase.com](mailto:kevin.c.cornally@jpmchase.com)>  
**Date:** Wednesday, 3 April 2024 at 13:57  
**To:** Brant Hummel <[branth@google.com](mailto:branth@google.com)>  
**Cc:** Kaiser, Marcus <[marcus.kaiser@jpmchase.com](mailto:marcus.kaiser@jpmchase.com)>, Rohan Fernandes <[rohanfernandes@google.com](mailto:rohanfernandes@google.com)>, Frade, Andre <[andre.frade@jpmchase.com](mailto:andre.frade@jpmchase.com)>, Sunderland, Angus <[angus.sunderland@jpmorgan.com](mailto:angus.sunderland@jpmorgan.com)>, Moran, Sean J <[sean.j.moran@jpmchase.com](mailto:sean.j.moran@jpmchase.com)>, Souvik Mukherjee <[iamsouvik@google.com](mailto:iamsouvik@google.com)>  
**Subject:** Re: [EXTERNAL]JPMC - Hackathon Prep (Weekly Sync)

correct in a support capacity. Listed on the right hand side as the confirmed attendees

Thanks

Kevin

---

**From:** Brant Hummel <[branth@google.com](mailto:branth@google.com)>  
**Sent:** Wednesday, April 3, 2024 1:53 PM  
**To:** Cornally, Kevin C (CTC, IRL) <[kevin.c.cornally@jpmchase.com](mailto:kevin.c.cornally@jpmchase.com)>  
**Cc:** Kaiser, Marcus <[marcus.kaiser@jpmchase.com](mailto:marcus.kaiser@jpmchase.com)>; Rohan Fernandes <[rohanfernandes@google.com](mailto:rohanfernandes@google.com)>; Frade, Andre <[andre.frade@jpmchase.com](mailto:andre.frade@jpmchase.com)>; Sunderland, Angus <[angus.sunderland@jpmorgan.com](mailto:angus.sunderland@jpmorgan.com)>, Moran, Sean J <[sean.j.moran@jpmchase.com](mailto:sean.j.moran@jpmchase.com)>; Souvik Mukherjee <[iamsouvik@google.com](mailto:iamsouvik@google.com)>  
**Subject:** Re: [EXTERNAL]JPMC - Hackathon Prep (Weekly Sync)

Thanks Kevin,

Safe to assume you, Andre, Angus, and Sean will be attending in person as well?

Brant

On Wed, Apr 3, 2024 at 7:06 AM Cornally, Kevin C <[kevin.c.cornally@jpmchase.com](mailto:kevin.c.cornally@jpmchase.com)> wrote:

@Brant Hummel

Here are the name for logistics.

Team 1	Team 2	Team 3	Team 4	Team 5
Rakesh Patil	Igor David	Rachel Horner	Andrea Canitrot	Jael Duran

Kunal Chaturvedi	Sidharth Sahai	Pratik Dansingani	Kaushik MS	Bill O'Hanlon
Raghavendra Dake	Payal Wandhare	Anshika Sharma	Arun Kumar	Praveen Ghatta

---

**From:** Kaiser, Marcus <marcus.kaiser@jpmchase.com>  
**Sent:** Tuesday, April 2, 2024 2:13 PM  
**To:** Rohan Fernandes <rohanfernandes@google.com>; Cornally, Kevin C (CTC, IRL) <kevin.c.cornally@jpmchase.com>  
**Cc:** Frade, Andre <andre.frade@jpmchase.com>; Brant Hummel <branth@google.com>; Sunderland, Angus <angus.sunderland@jpmorgan.com>; Abhinav Rau <arau@google.com>; Mukherjee <iamsouvik@google.com>  
**Subject:** Re: [EXTERNAL]JPMC - Hackathon Prep (Weekly Sync)

Thanks Rohan,

I will be able to make the first 30 minutes.

(I have an internal presentation which has been scheduled a while back, which cannot be moved.)

I will sync with Andre after the call.

@Cornally, Kevin C (CTC, IRL)

On last week's call, we discussed with Rohan and Abi that it might be good to share the data in advance to the hackathon. This would allow them to test the setup on their end.

What would be the easiest way to share the .zip file I shared last week (without getting flagged internally)? Would you be able to share?

BR,

**Marcus Kaiser, PhD** | Vice President – Applied AI/ML Lead (AI2) | **JPMorgan Chase** | 4 John Carpenter Street, London, EC4Y 0JP

---

**From:** Rohan Fernandes <rohanfernandes@google.com>  
**Date:** Tuesday, 2 April 2024 at 14:02  
**To:** Cornally, Kevin C (CTC, IRL) <kevin.c.cornally@jpmchase.com>  
**Cc:** Frade, Andre <andre.frade@jpmchase.com>; Brant Hummel <branth@google.com>; Sunderland, Angus <angus.sunderland@jpmorgan.com>; Abhinav Rau <arau@google.com>; Sean J. Moran <sean.j.moran@jpmchase.com>; Souvik Mukherjee <iamsouvik@google.com>  
**Subject:** Re: [EXTERNAL]JPMC - Hackathon Prep (Weekly Sync)

Happy belated easter :)

let's plan for Tuesday the 16th at 9:00 AM ET for the office hours. invite should hit your inbox shortly.

Currently with Google meet, let us know if this should be switched with your video conferencing tool of choice?

Best,

Rohan

On Tue, Apr 2, 2024 at 5:08 AM Cornally, Kevin C <kevin.c.cornally@jpmchase.com> wrote:

Hi All,

Happy belated easter.

This is a good idea and something we were planning to do. Great minds !

Andre is critical so we can do it on the Tue 16<sup>th</sup> April. I will get someone to set it up.

We will also may need to provide some pre-reading / homework. We should use the event on the 16<sup>th</sup> April to gauge engagement and enthusiasm.

Thanks again to all !

Kevin

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**From:** Frade, Andre <[andre.frade@jpmchase.com](mailto:andre.frade@jpmchase.com)>  
**Sent:** Tuesday, April 2, 2024 10:05 AM  
**To:** Rohan Fernandes <[rohanfernandes@google.com](mailto:rohanfernandes@google.com)>; Brant Hummel <[branth@google.com](mailto:branth@google.com)>  
**Cc:** Cornally, Kevin C (CTC, IRL) <[kevin.c.cornally@jpmchase.com](mailto:kevin.c.cornally@jpmchase.com)>; Sunderland, Angus <[angus.sunderland@jpmorgan.com](mailto:angus.sunderland@jpmorgan.com)>; Abhinav Rau <[arau@google.com](mailto:arau@google.com)>; Kaiser, M: <[sean.j.moran@jpmchase.com](mailto:sean.j.moran@jpmchase.com)>  
**Subject:** RE: [EXTERNAL]JPMC - Hackathon Prep (Weekly Sync)

Hi all,

Having an Office hours session prior to the hackathon is a great idea. One that I'd find very useful myself.

I will be on annual leave, returning to the office on the Tue 16<sup>th</sup> April. Could we consider this date for the pre hackathon session, instead of the 15<sup>th</sup>?

Many thanks,

Andre

---

**From:** Rohan Fernandes <[rohanfernandes@google.com](mailto:rohanfernandes@google.com)>  
**Sent:** 28 March 2024 19:57  
**To:** Brant Hummel <[branth@google.com](mailto:branth@google.com)>  
**Cc:** Cornally, Kevin C (CTC, IRL) <[kevin.c.cornally@jpmchase.com](mailto:kevin.c.cornally@jpmchase.com)>; Frade, Andre <[andre.frade@jpmchase.com](mailto:andre.frade@jpmchase.com)>; Sunderland, Angus <[angus.sunderland@jpmorgan.com](mailto:angus.sunderland@jpmorgan.com)>; <[marcus.kaiser@jpmchase.com](mailto:marcus.kaiser@jpmchase.com)>; Moran, Sean J <[sean.j.moran@jpmchase.com](mailto:sean.j.moran@jpmchase.com)>  
**Subject:** Re: [EXTERNAL]JPMC - Hackathon Prep (Weekly Sync)

Kevin,

Marcus, Andre, Abi (Google) and I continued on with the planning for the April 23rd Hackathon.

We also discussed having a 60-90 minute Office Hour prior to the 4/23 hackathon for the developers that will be attending. The plan is to provide a Gemini overview along with allow the users to focus on the core objective on the 23rd .

If this is something you agree with, would Monday April 15th 9:30 AM ET / 2:30 PM Local time work for this visual office hour?

Have a wonderful long weekend.

Best,

Rohan

On Thu, Mar 28, 2024 at 10:06 AM Brant Hummel <[branth@google.com](mailto:branth@google.com)> wrote:

Sounds good on all fronts Kevin. Rohan will join / lead the call today. We also planned a brief overview of Gemini, the environment we've provisioned, etc at the start of the c

Thanks and have a good weekend all!

Brant

On Thu, Mar 28, 2024 at 8:28 AM Cornally, Kevin C <[kevin.c.cornally@jpmchase.com](mailto:kevin.c.cornally@jpmchase.com)> wrote:

Sorry to hear that Brant.

I am also not able to make this:

by way of an update:

- we have the list of attendees and will have the final list completed and over to you next Wednesday.

-Andre and Marcus have done an amazing job mapping out the tasks and measurement of success. They can Talk Rohan through this on the call if they want.

-We will roll this into a final agenda by end of next week. I am going to ask that we to do a brief 30 mins intro to Gemini at the start of the day.

**From:** Google Calendar <[calendar-notification@google.com](mailto:calendar-notification@google.com)> on behalf of Brant Hummel <[branth@google.com](mailto:branth@google.com)>  
**Sent:** Wednesday, March 27, 2024 7:47 PM  
**To:** Frade, Andre <[andre.frade@jpmchase.com](mailto:andre.frade@jpmchase.com)>; Sunderland, Angus <[angus.sunderland@jpmorgan.com](mailto:angus.sunderland@jpmorgan.com)>; Abhinav Rau <[arau@google.com](mailto:arau@google.com)>; Cornally, Kevin C (CTC, <[marcus.kaiser@jpmchase.com](mailto:marcus.kaiser@jpmchase.com)>; Rohan Fernandes <[rohanfernandes@google.com](mailto:rohanfernandes@google.com)>; Moran, Sean J <[sean.j.moran@jpmchase.com](mailto:sean.j.moran@jpmchase.com)>; Brant Hummel <[branth@google.com](mailto:branth@google.com)>  
**Subject:** [EXTERNAL]JPMC - Hackathon Prep (Weekly Sync)

Hi team,  
 I will unfortunately miss this call tomorrow to attend the funeral of a family friend. Rohan will be leading from the Google side to continue discussing the technical details of the event. On the logistics side, I'll need a list of attendees so I can arrange building access. Would also like to know if folks will be willing/able to have dinner and/or a drink somewhere near the office.  
 Thanks,  
 Brant

Join with Google Meet

**Meeting link**

[meet.google.com/tju-gzcp-sfw](https://meet.google.com/tju-gzcp-sfw)

**Join by phone**

(US) +1 503-755-4242

PIN: 746971579

[More phone numbers](#)

JPMC - Hackathon Prep (Weekly Sync)

Thursday Mar 28, 2024 - 12pm - 12:30pm (Eastern Time - New York)

**Guests**

Brant Hummel - organizer

Rohan Fernandes

Abhinav Rau

[angus.sunderland@jpmorgan.com](mailto:angus.sunderland@jpmorgan.com)

[andre.frade@jpmchase.com](mailto:andre.frade@jpmchase.com)

[marcus.kaiser@jpmchase.com](mailto:marcus.kaiser@jpmchase.com)

[sean.j.moran@jpmchase.com](mailto:sean.j.moran@jpmchase.com)

[kevin.c.cornally@jpmchase.com](mailto:kevin.c.cornally@jpmchase.com)

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