



BGN Hackathon 2021 Brief

Challenge 1: Helping Small Businesses

- Build an application that helps small businesses
- Example 1: an app which allows customers to scan clothes tags themselves, to see whether the store has their size in stock.

Challenge 2: Education and Empowerment

- Build an application that educates or empowers some people
- Example 2: applying sentiment analysis to books and literature to determine whether any bias is present.

Challenge 3: Games and Entertainment

- Build a game or application targeted at Leisure or Entertainment industry.
- Example 3: a simple platformer game which allows users to control a sprite on screen using the Unity engine

Google Technologies

- [Google Maps](#)
- [Google Cloud Platform](#)
- [Angular](#)
- [Flutter](#)
- [Android app](#)
- [YouTube Developers](#)
- [Free GCP Accounts](#)
 - Instructions:
 - Fill out form using your email address
 - Form will now send username & password to email
 - Go to <https://console.cloud.google.com/>

- Sign-in with username & password
- You should now have free access to GCP!

Deliverables

- Essential:
 - 3 minute presentation including a demo
- Optional:
 - Incorporate Google technologies
 - Interactive work: prototype, website, apps
 - Hardware
- What the judges are looking for:
 - Teamwork
 - Good product design
 - Presentation of idea
 - Technical prowess
 - Realistic business capability
 - Innovation

FAQ's

1. How can I connect with a Googler over the weekend if I have a question?

- The environment of our virtual hackathon is designed to encourage everyone to have fun. Should you have a technical question over the weekend that you can't solve within your team you should attend our office hours. You will be pre-assigned office hours on Saturday & Sunday.
- You can email bgn-hackathon-2021@google.com with general queries and we will respond between 9am - 5pm.

2. How can I be assigned an office-hour?

- You'll be emailed your 30 min slot on Saturday and Sunday and be given a hangout link to connect with your Googler.

3. I've logged on to my office hour and the Googler has not turned up

- Wait 5 minutes. Refer to your calendar invite to ensure the timing is correct. At this point we recommend you email bgn-hackathon-2021@google.com to let us know.

4. How much time are we expected to spend working on the challenge each day?

- a. Aside from the recommended sessions that you should have received an invite for, it's up to you and your team to decide how much time and capacity you have to spend on coming up with a reasonable solution. You will be assigned a team on Friday and I encourage you to map out a plan together that suits the team so everyone is clear on the commitment required.

5. How do I connect with my teammates?

- a. We will assign you a team on Friday. At this point you can share contact details with your immediate team and choose a forum to connect together over the weekend that is accessible for everyone.

6. What is the deadline for submitting our team's solution?

- a. You should be ready to present your solution on Monday 8 March at 10am GMT. You do not need to send us your solution in advance.

7. Can I change teams?

- a. No. Teams are formed for the entire weekend.

8. Do all team members need to be present for the presentation?

- a. We encourage everyone to be present for the closing ceremony on Monday.

9. Something has come up over the weekend and I need to drop out. What do I do?

- a. Don't worry, we understand that sometimes things can crop up suddenly and that's ok. However, we do ask that you inform your team and send a courtesy email to bgn-hackathon-2021@google.com.

10. Are there prizes?

- a. Yes! You have an opportunity to win a two hour mentoring session with a Googler as well as Google store vouchers.

11. Can we use any programming language?

- a. Yes

12. I have another question that is not answered in the FAQ's, what should I do?

- a. Email bgn-hackathon-2021@google.com and we will get back to you between 9am-5pm GMT.