

The Hacker's Guide to GunnHaXI

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Introduction

Welcome to GunnHaXI or GunnHacks 11.0! We're super excited to have you here this weekend. This document will lay out everything you need to know as a hacker and will be updated throughout the hackathon.

All participants are expected to follow the [Code of Conduct](#).
TL; DR. Be respectful. Harassment and abuse are never tolerated.
Please notify an organizer if you see a violation of the Code of Conduct.

Important links:

Discord server: <https://discord.gg/pyJmTpRWZJ>
Website: <https://gunnhacks.com>
Devpost site: <https://gunnhacks11.devpost.com/>

What can I build?

You can build **any** software or hardware project you want. There is **no theme**. It must be built **during the GunnHacks hacking period** (Saturday 3PM - Sunday 3PM PST), and **submitted before the deadline** (Sunday 3PM PST).

Cross-submissions are not allowed.

You can check out last year's projects at <https://gunnhax.devpost.com/project-gallery> for inspiration.

What can I build before the hackathon begins?

All projects must be started in the hacking period, but there are some exceptions.

Allowed (these are things you CAN do before the hacking period begins):

- Brainstorm ideas with your team
- Develop an idea through design sketches and written notes (NO pseudocode)
- Actions that take longer than 24 hours (e.g., 3D printing)
 - PLEASE ask in our Discord server beforehand to verify that what you want to do is allowed. A lot of this is very vague and must be handled on a case-by-case basis.

- If you'd like to do something but don't know if it's allowed, PLEASE ping/message an organizer in our Discord server, or your project is at risk for disqualification.

In your Devpost submission, you must note what you did (if anything) before the hacking period started, excluding brainstorming and designing.

NOT allowed (you may not do these things before the hacking period begins):

- Write code
- Write pseudocode

We are requiring GitHub/GitLab links for your projects, so we can check version history. If we find that you are purposefully concealing information, your project is at risk for disqualification.

If we believe that your team has violated our project rules, your project is at risk for disqualification. Simply put, don't be unethical! Act with integrity.

What should I bring to the hackathon?

- λ Computers, phones, and other technology
- λ Chargers
- λ Water bottle
- λ Warm clothes - we will be eating outside
- λ Sleeping bag, if you are planning on sleeping
- λ Hygiene products (i.e., toothbrush)
- λ Medications, if needed

Am I allowed to leave in the middle?

Yes, but please sign out with an organizer. We need to keep track of who is at the venue at all times!

We will not allow entry into GunnHacks if your [field trip waiver](#) has not been signed!

Teams & Team Formation

Teams

- λ Teams can be **at most 4 members**.
- λ **Every member** must fill out **the check-in form** to compete. No exceptions.
- λ If your team changes at any point, you must edit your team formation form submission.

Team Formation

Team Formation from 2:30-3PM on Saturday

Right after the opening ceremony, there will be 30 minutes for team formation. Take this time to mingle with other hackers, form a team (or be solo if you prefer), come up with a team name, and fill out the team selection form.

You can also reach out to friends and hackers on the Discord server to form a team beforehand.

Note: You are NOT allowed to start hacking at this time.

Team Selection Form (REQUIRED!)

After the opening ceremony, all of your team members must fill out **the team selection form** to compete and qualify for prizes. No exceptions.

- λ **Fill out the following form** by the end of the hacking period (Sunday 3PM PST):
forms.gle/cpssvGHwKh8W9TEx8
- λ This is not the same as the registration form, and you still have to fill out the team selection form even if you already completed the registration form.
- λ You will put the **names of your team members into this form**. If your team changes at any point, you must edit your form submission to update your team members.
- λ **If you are competing solo, just put your own name down.**

The Hackathon Project Cycle

Don't know where to start?

1. Talk with your team and brainstorm ideas
2. Settle on an idea
3. Divide tasks and begin!

- a. Example of distribution for a web app for processing restaurant orders:
 - i. Preliminary task: Amy creates a [GitHub](#) repository and sets up the basic structure of the app
 - ii. Amy works on UI/UX design using Figma
 - iii. Bob works on app feature #1: i.e., ordering food from the menu
 - iv. Carole works on app feature #2: i.e., leaving food reviews
 - v. Dan works on the user portal
- b. Utilize each other's strengths!
- 4. 1 hour before hacking ends (2 PM)
 - a. Prepare 3-5 minute project presentation for judges
 - i. Please make a short informal recording of your presentation (including any demonstrations) so we can explore everyone's project on the devpost!
 - b. Upload Devpost project submission (see [Submissions](#))
- 5. Submit at 3 PM on Sunday
- 6. Celebrate!

Submissions + Judging

Submissions

YOU MUST SUBMIT YOUR PROJECT TO DEVPOST AND HAVE ALL TEAM MEMBERS FILL OUT THE TEAM SELECTION FORM TO BE ELIGIBLE FOR PRIZES:

GunnHaXI Devpost Link: gunnhacks11.devpost.com

GunnHaXI Team Selection Form: forms.gle/cpssvGHwKh8W9TEx8

After the submission deadline, teams will be called in to give a demo presentation of their project to the judges.

Submission requirements

- λ In the Devpost, submit **a link to your code** (GitHub, GitLab, Replit, etc.)
 - Don't know how to use GitHub? Check out their [docs](#), and ask an organizer if you need help!
- λ Each team will give a 3-5 minute presentation to a panel of judges
 - Demonstrate what your project does and explain the process behind it

Submission rules

- λ All team members **MUST** be **added to the Devpost** submission.
- λ You can submit a project early and continue working on / editing your submission *until the hacking period ends*.
- λ **NO late submissions.** Your project must be submitted to Devpost by **Sunday 3PM PST**.
- λ Your project **MUST** have been created entirely **within the GunnHaXI hacking period** (Saturday 3PM PST to Sunday 3PM PST).
 - See "What can I build before the hackathon begins?" on Page 1 for more specifics and exceptions.
- λ You may **NOT** submit your project to multiple hackathons.

We highly recommend creating a Devpost submission early. This will make your life MUCH easier when the deadline comes, because then you won't need to worry about late submissions. **Submissions can be edited after you create it.**

FIND AN EXAMPLE DEVPOST SUBMISSION HERE:

<https://devpost.com/software/example-template-submission>

Note: You do not need to make a demo video. You will be giving an in-person presentation instead.

Judging Criteria

λ Technical Difficulty

Is the hack technically interesting or difficult? Is it just some lipstick on an API, or were there real technical challenges to surmount? This is the most important criterion that your hack will be judged upon for the general prizes.

λ Practicality

Is the hack practical? Is it something people would actually use? Does it fulfill a real need people have?

λ Creativity

Is the hack more than just another generic social/mobile/local app? Does it do something entirely novel, or at least take a fresh approach to an old problem?

λ Design

How does the hack look and feel? Is it aesthetically pleasing?

Workshops

- λ The schedule is located later in this guide and on our website <https://gunnhacks.com>.
- λ There will be an announcement when each workshop begins.
- λ Workshops will take place in the main library section, the Academic Centre (AC), or the Test-Retaking Centre (TRC).

Etiquette

- λ Please be respectful to our workshop hosts.
- λ Don't be afraid to ask questions or for help.
- λ Have fun!

Schedule

Workshops

Opening/Closing Ceremony

Deadlines

Activities

Meals

Day	Time (PST)		Event	Where
Saturday	1:30 PM		Doors open	
	2:00 PM	2:30 PM	Opening ceremony	Library
	2:30 PM	3:00 PM	Team formation	
	3:00 PM		Commence Hacking!	
	3:00 PM	4:00 PM	Intro to Code	AC
	4:45 PM	6:15 PM	Basic AI and ML	AC
	4:45 PM	6:15 PM	Web scraping	TRC
	6:30 PM		Dinner	Library (Clean up after yourself & don't spill food)
	7:00 PM	7:30 PM	Coding Trivia Kahoot	Library

	7:45 PM	9:15 PM	Web Development	AC
	7:45 PM	9:15 PM	Discord Bots	TRC
	9:30 PM	10:00 PM	Cow Drawing Competition	Library
	10:00 PM	12:00 AM	Movie Night	Library (Sleeping will be in TRC and AC)
Sunday	8:00 AM		Breakfast	
	10:00 AM	10:30 AM	Programming-themed Skribbl.io	Library
	12:00 PM		Lunch	
	3:00 PM		Hacking Ends	
	3:00 PM	5:00 PM	Presentations & Demos (Judging)	
	4:00 PM	4:45 PM	Code Golf	Library
	5:00 PM	5:30 PM	Awards & Closing Ceremony	Library
	5:30 PM	6:00 PM	Awards Distribution	
	6:00 PM	6:30 PM	Cleanup & Doors Close	

For Gunn AP CSA students only

As a reminder, the two extra credit opportunities (laid out by Mr. Paley) are:

- 1 point for **attending Gunnhacks for 4 hours (please submit a project!)**
- 1 point for **getting a non-CS student** (a student that has not taken a CS class in high school) to **attend Gunnhacks for 4 hours**.

We will be tracking the hours everyone attends the events using our sign-in/sign-out forms.

Resources

.xyz is offering free .xyz domains to all participants for a year!