JINGLE WEB JAM 2025 GUIDE (EN)

This document was written to guide participants in the Jingle Web Jam competition, organized by Google Developer Groups on Campus TEDU, in creating their websites.

The tools allowed for use during the competition are:

For AI Agent usage: Google Antigravity / Cursor / VSCode Copilot (all AI models within these tools are free; it is up to you to choose and use the most suitable AI model for your purpose.)

To keep the project in a repository: GitHub

To deploy your website: Netlify / Vercel / GitHub Pages / Render

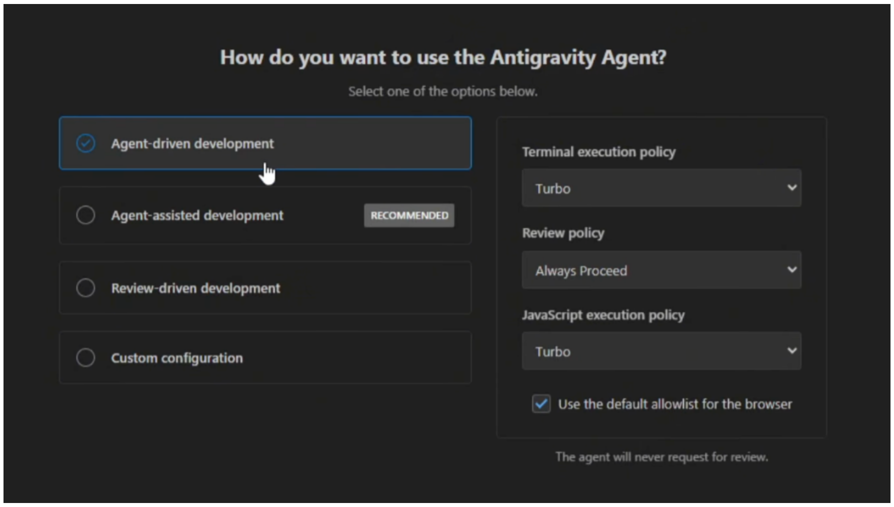
This guide will only discuss the use of some tools. These tools are: Google Antigravity, GitHub, and Netlify.

You can find information for some important questions on the last page of this document. Our mentors will support you during the competition with any questions you may have.

Start building your site locally:

Download Google Antigravity: https://antigravity.google/download

The only important step during installation is choosing the authorization level of the Antigravity Agent. Start by selecting either 'Agent-assisted development' (controlled authorization for the AI agent) or 'Agent-driven development' (full authorization for the AI agent). (We recommend the Agent-driven development option for beginners.)



How do you want to use the Antigravity Agent?

Select one of the options below.

- ● Agent-driven development
- ○ Agent-assisted development RECOMMENDED
- ○ Review-driven development
- ○ Custom configuration

Terminal execution policy: Turbo

Review policy: Always Proceed

JavaScript execution policy: Turbo

☑ Use the default allowlist for the browser

The agent will never request for review.

- If you have a Google AI Pro subscription, we recommend logging in with your account within Antigravity. This will give you a higher usage limit for AI models. (The Google AI Pro subscription is free for students until December 9th. If you haven't subscribed to it, you will still have a certain quota on Antigravity. If your quota runs out, you can follow our suggestion at the bottom of the document.)

Once the program is installed, choose a folder where you will create the project: On the Antigravity start window, select ‘Create a new folder’ – create a folder on your desktop (preferably) and select that folder.

If the empty folder is successfully selected as the project location, you can start creating the website: Start with the first prompt from the chatbot section on the right.

Example simple prompts:

a) “Create a Christmas-themed website for Santa’s portfolio.”

b) “Let’s choose a more fun font.”

c) “Make the site title animated.”

d) “Run the site locally and give me the link” (you can view your website with a link like localhost:8000)

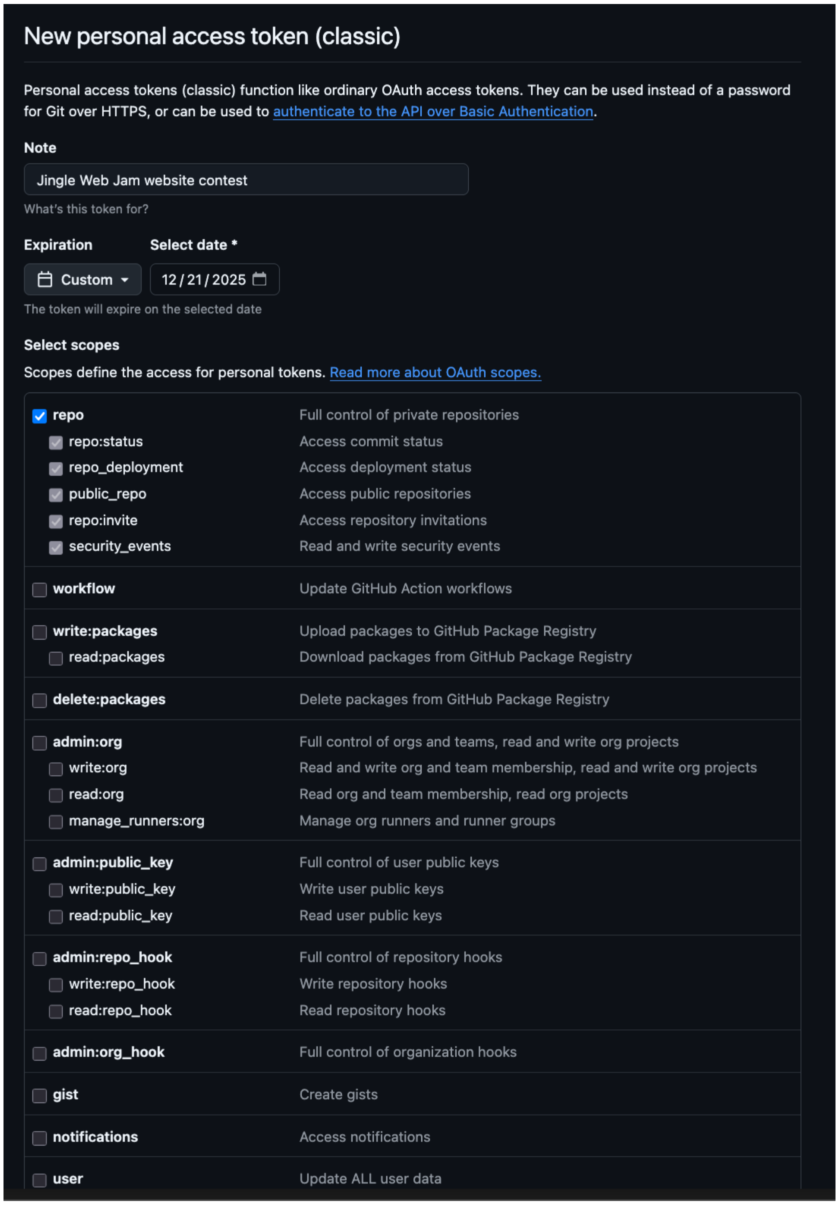
e) “My GitHub repo link is: ..., push my project here.” f) “I received this error on Netlify, investigate the problem and explain the solution.”

To release the project on GitHub:

If you don't have a GitHub account, create one.

Create a 1-day Personal Access Token on GitHub (Settings – Developer Settings – Personal Access Key Tokens – Tokens (classic) – Generate New Token (classic))

When creating your Personal Access Key, you can select your settings as follows:



New personal access token (classic)

Personal access tokens (classic) function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to authenticate to the API over Basic Authentication.

Note

Jingle Web Jam website contest

What's this token for?

Expiration: Custom

Select date *: 12 / 21 / 2025

The token will expire on the selected date

Select scopes

Scopes define the access for personal tokens. Read more about OAuth scopes.

☑ repo	Full control of private repositories
☑ repo:status	Access commit status
☑ repo_deployment	Access deployment status
☑ public_repo	Access public repositories
☑ repo:invite	Access repository invitations
☑ security_events	Read and write security events
□ workflow	Update GitHub Action workflows
□ write:packages	Upload packages to GitHub Package Registry
□ read:packages	Download packages from GitHub Package Registry
□ delete:packages	Delete packages from GitHub Package Registry
□ admin:org	Full control of orgs and teams, read and write org projects
□ write:org	Read and write org and team membership, read and write org projects
□ read:org	Read org and team membership, read org projects
□ manage_runners:org	Manage org runners and runner groups
□ admin:public_key	Full control of user public keys
□ write:public_key	Write user public keys
□ read:public_key	Read user public keys
□ admin:repo_hook	Full control of repository hooks
□ write:repo_hook	Write repository hooks
□ read:repo_hook	Read repository hooks
□ admin:org_hook	Full control of organization hooks
□ gist	Create gists
□ notifications	Access notifications
□ user	Update ALL user data

Press the Generate Token button and **copy the given Token to a safe place where you won't lose it**. (If you close the page and don't copy it, **you will not be able to access this Token again**, and you will need to obtain a new Token.)

Then create a new GitHub repository and name it as you wish: for example, 'JingleWebJamWebsite' (you don't need to make any changes to the settings that appear when creating the repository**; the repository must be public**.)

Go to your Antigravity project, add your GitHub repository and Access Key to the AI Agent, and request it to push.

Once completed, go to your GitHub repository and check if the entire project has been uploaded to your repository.

Netlify Stage:

Next, log in to Netlify and register with the GitHub account you used earlier. You should be able to see your GitHub repositories through Netlify.

Find your GitHub repository on Netlify and deploy it (deploy using the free .netlify.app extension; you don't need to pay for a domain).

> - ! If you encounter problems during deployment, the AI assistant in Netlify will explain the problem to you. Paste that explanation into the Antigravity AI agent, and when it solves the problem, push the updated project back to your GitHub repository. Netlify will try to automatically build the pushed code; repeat this step until no problems occur.

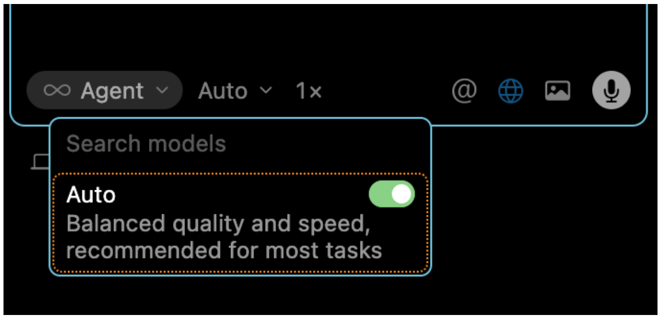
Even if you have deployed your site to Netlify, you can continue to make changes to your site as you wish; to see the changes, simply push the file to your GitHub repository. Your site will be updated on Netlify within 1-2 minutes of pushing.

FAQ:

“I’ve used up my Antigravity AI agent quota, what should I do?”

> -You can try other models in the model options on the Antigravity chatbot window.

-If you run out of usage limits for each model, you can install Cursor and quickly continue the project from where you left off. For further support, please contact us.



Auto
Balanced quality and speed, recommended for most tasks

Cursor download link: https://cursor.com/download

“How will our websites be evaluated?”

-The criteria used by our judges generally include: design and functional success, suitability to the given theme, how many of the given challenges have been successfully completed, the cleanliness of the overall code structure of the project, and the site's compatibility with different devices.

“I want to use a different tool than those permitted.”

-We kindly request that you consult us beforehand; using it without permission may result in disqualification.

“I couldn't complete all the challenges, will that be a problem?”

-No, challenges are only a bonus point factor. You are not obligated to complete all the challenges, and completing some will not be a negative consequence.