

About

For this project, we'll be creating a task scheduler for my daily activities. Previously, I had a daily planner book, which can be a pain to take with you everywhere. This project, however, is free and will be created using PartyRock, AWS' new generative AI platform.

There are 4 major steps in this project that we'll be going through.

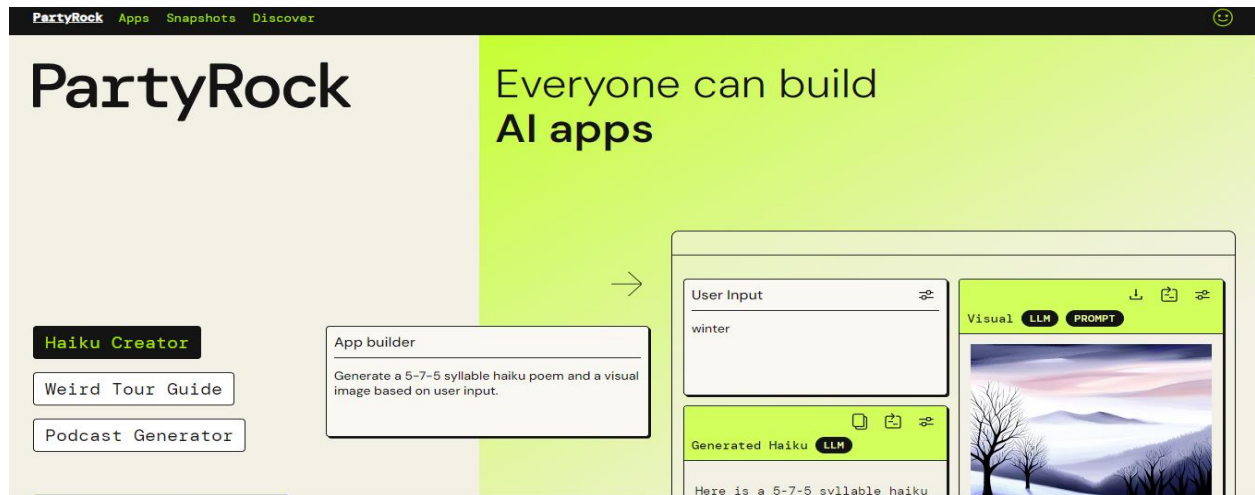
1. Generating the daily task scheduler application.
2. Make changes in existing widgets.
3. Adding new widgets.
4. Publishing our app.

Services Used/Time & Cost

The only service we'll be using here is AWS PartyRock, used to create applications with AI. It's very accessible, since you can create these apps without any knowledge of, or experience with coding.

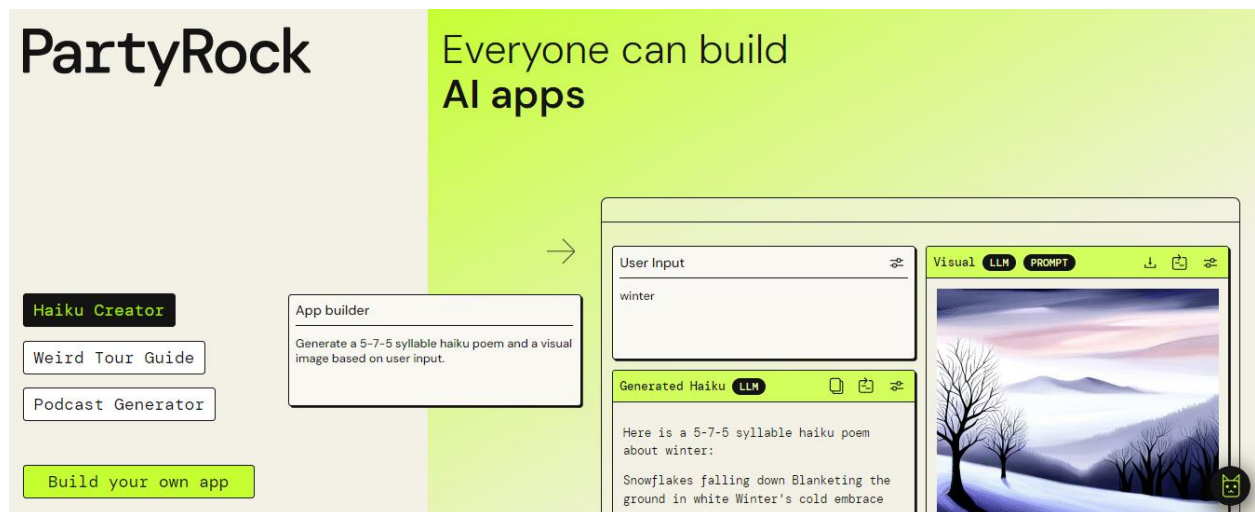
At the time of this writing (March 2024), AWS PartyRock offers a free new user trial, which gives us more than enough time to complete our application.

We'll start by going to the [AWS PartyRock site](#), which looks like this:



Our finished project will look like this:

To get started, click “Build your own app”



From here, describe what you want the app to do and click Generate app.

App builder



Describe what you would like your app to do

Generate app

Start from an empty app

STEP 1

This works similarly to other AI generated prompt services, this one creates applications based on the prompt, instead of images or text-based answers.

Since I need a daily task scheduler, I'll input that below and click Generate app

App builder



Generate a daily task scheduler

Generate app

Start from an empty app

Now, PartyRock will ask for additional input from our end, which will be used to create our scheduler.

Task List

→ Enter your tasks for the day, one per line

Prioritized Tasks

Generating as soon as Task List is filled.

Task Schedule

Generating as soon as Prioritized Task is filled.

In the picture above, the Prioritized tasks and Task schedule sections are blank. After filling them out, my responses are taken, and this comes up:

Prioritized Tasks LLM

Based on the tasks provided in 30 minutes of exercise, here is a prioritized list from most important to least important:

1. Study for AWS certification

- Studying for the AWS certification should be the top priority as it will enhance your knowledge and skills in AWS, potentially leading to better job opportunities or career advancement.

2. Work on AWS project

- Working on an AWS project allows you to apply the knowledge you've gained from studying for the certification and gain practical experience, which is invaluable.

Within the "Work on AWS project" task, you can further prioritize the sub-tasks as follows:
a. Identify and address any critical issues or bugs that may impact the project's functionality or performance. b. Implement new features or enhancements that are essential for the project's success or meeting client requirements. c. Optimize existing resources or configurations to improve efficiency, cost-effectiveness, or scalability. d. Refactor or restructure code for better maintainability and future extensibility. e. Enhance security measures, such as implementing access controls, encryption, or compliance with industry standards. f. Improve monitoring and logging capabilities for better visibility and troubleshooting. g. Enhance documentation or create training materials for other team members or stakeholders. h. Perform testing and quality assurance activities to ensure the project meets the desired standards. i. Investigate and experiment with new AWS services or features that could benefit the project in the future. j. Optimize the user experience or user interface, if applicable.

Please note that the prioritization of sub-tasks within the "Work on AWS project" task may vary depending on the specific project requirements, deadlines, and other factors. It's essential to regularly review and adjust priorities as needed to ensure the most critical

Task Schedule LLM

Based on the provided prioritized list of tasks and the 30-minute time frame, here's a suggested schedule:

1. Study for AWS certification (15 minutes)

- Review key concepts, services, or areas you're currently focusing on for the certification exam.
- Go through practice questions or mock exams to reinforce your understanding.

2. Work on AWS project (15 minutes)

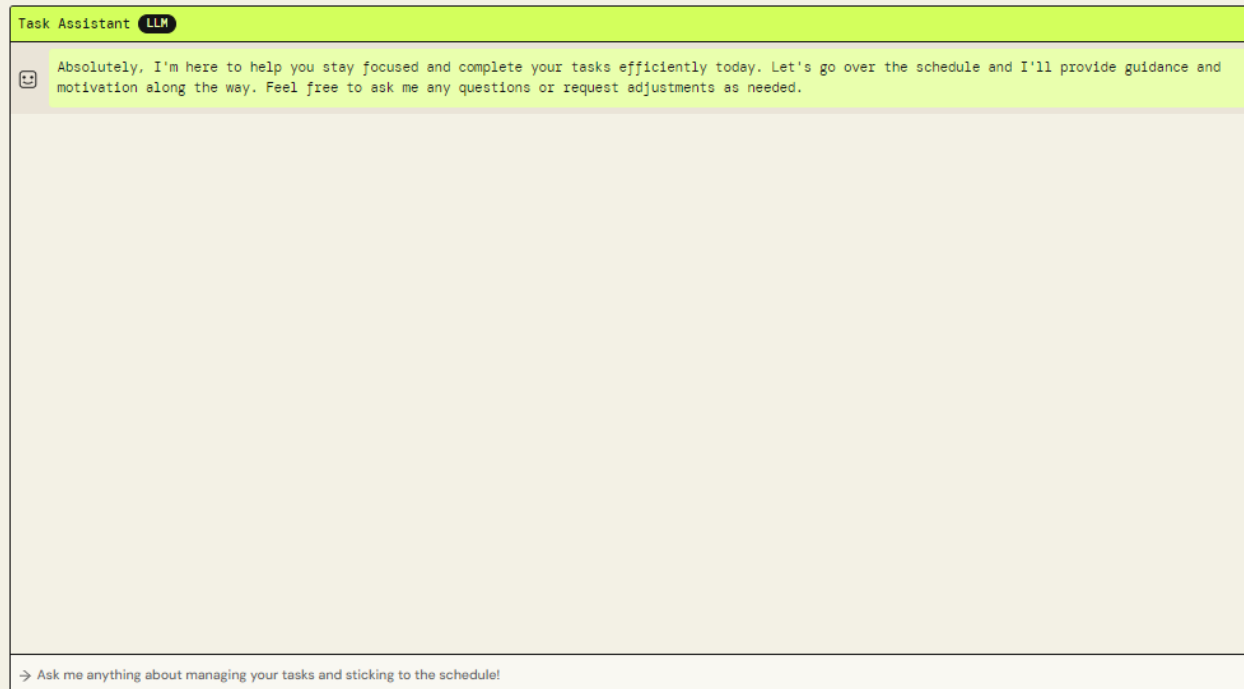
- Prioritize the sub-tasks within the "Work on AWS project" task based on their importance and urgency.
- Focus on addressing any critical issues or bugs that may impact the project's functionality or performance.
- If there are no critical issues, work on implementing essential new features or enhancements.
- If time permits, optimize existing resources or configurations for better efficiency or cost-effectiveness.

It's important to note that 30 minutes is a relatively short time frame, so it's crucial to be realistic about what can be accomplished within that timeframe. It's better to make meaningful progress on the most important tasks rather than trying to tackle too many tasks and not completing any of them effectively.

Additionally, it's recommended to take short breaks every 25-30 minutes to maintain focus and productivity, known as the Pomodoro technique. During these breaks, you can step away from your work, stretch, or engage in a brief relaxing activity before returning to your tasks refreshed.

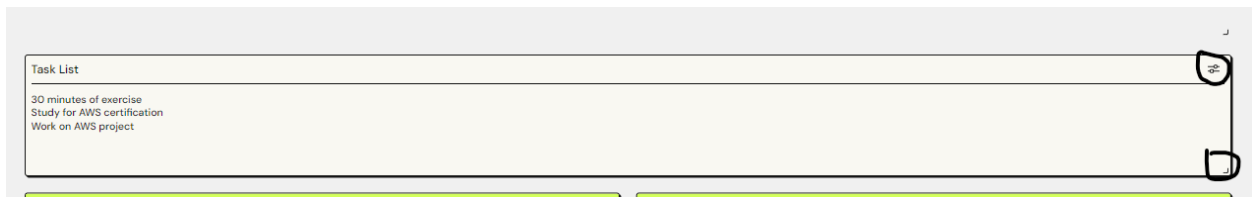
Remember, this schedule is a suggestion, and you should adjust it based on your specific priorities, project requirements, and personal work style. Regularly reviewing and adjusting

In addition to generating content based on your prompt, it also provides a chatbot that allows you to refine and clarify your prompt.



STEP 2

We can now modify the widgets by grabbing the bottom right of the box to enlarge or shorten them for easier viewing. The top right of the box allows you to edit the widget, with options such as title or different AI models, which change the output generated.



✕

Edit Prioritized Tasks >

Widget title

Prioritized Tasks

Model ⓘ

Claude 3 Sonnet ▲

Claude 2.0 ▮▮▮

Claude 3 Haiku ▮▮▮

Claude 3 Sonnet ▮▮▮

Claude Instant ▮▮▮

Titan Text Lite ▮▮▮

Titan Text Express ▮▮▮

▶ Advanced settings ⓘ

Delete widget Cancel Save

STEP 3

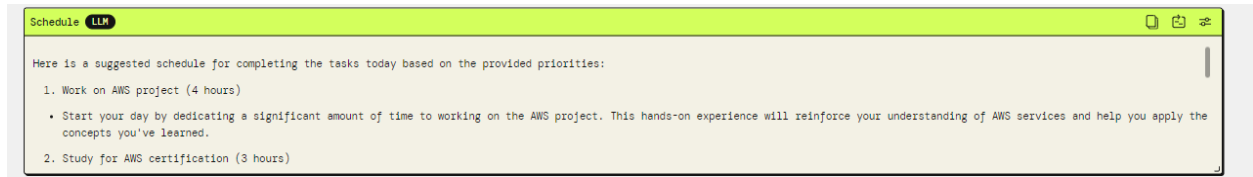
Another option we have is adding widgets; let's add a time widget that calculates the time required for each task. We accomplish this by clicking "Add Widget" at the top of the screen.



This allows us to give the widget a title, use an AI model and the prompt, using the information we already have in our widgets.

The screenshot shows the 'Edit Schedule' dialog box. It has a title bar 'Edit Schedule' with a right-pointing arrow. The dialog contains several sections: 'Widget title' with a text input field containing 'Schedule'; 'Model' with a dropdown menu showing 'Claude Instant' and an information icon; 'Prompt' with a text area containing the prompt 'How long should I spend on these tasks:' and two highlighted widget names, 'Task Schedule' and 'Prioritized Tasks', which are used as references in the prompt. Below the prompt section is an 'Advanced settings' section with an information icon. At the bottom, there are three buttons: 'Delete widget', 'Cancel', and 'Save'.

Click save, and this results in:



Now that we have our daily tasks and a game plan to complete them, lets add some motivational content.

Edit widget6



Widget title

Motivational Picture

Model

Stable Diffusion XL




Style preset

No style preference



Image description



Press  to reference another widget.

Create picturesque vacation images
in sunny locales. Make a new image
every day.

► Advanced settings



Delete widget

Cancel

Save

Edit Motivational Words

Widget title

Motivational Words

Model

Claude 2.0

Prompt

Press @ to reference another widget.

Write a daily motivational quote to go along with

Motivational Picture

Advanced settings

Delete widget

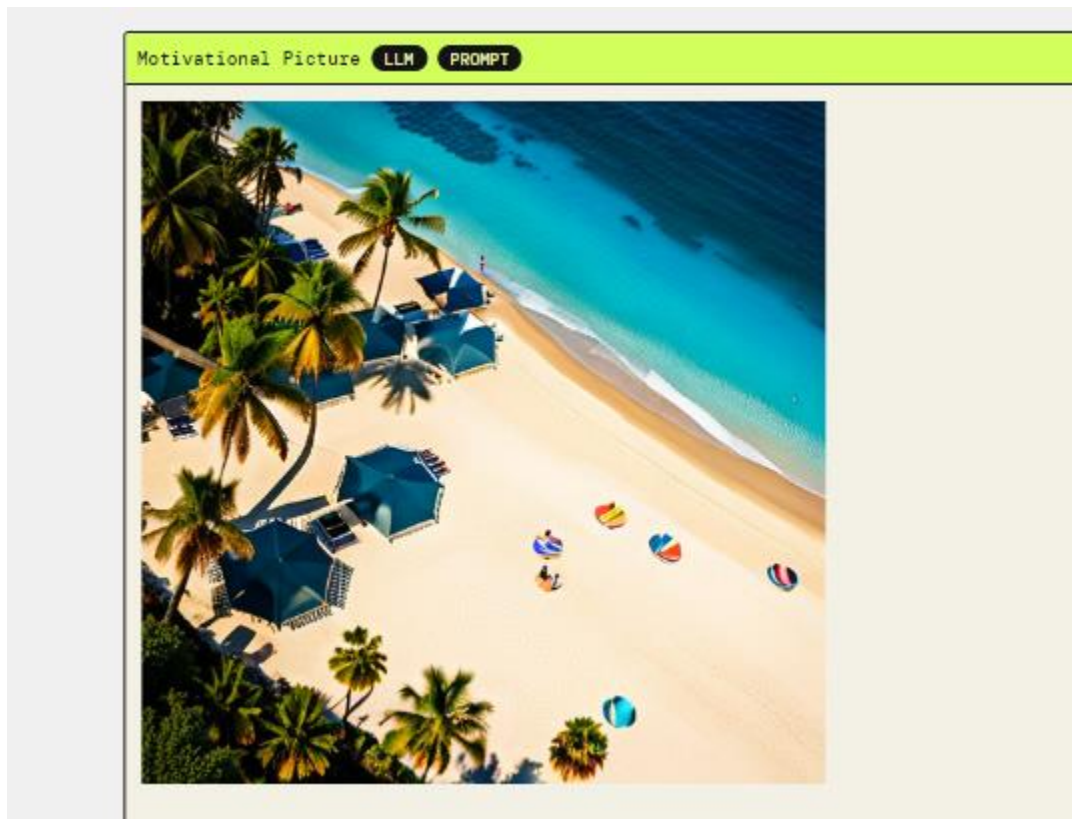
Cancel

Save

The result:



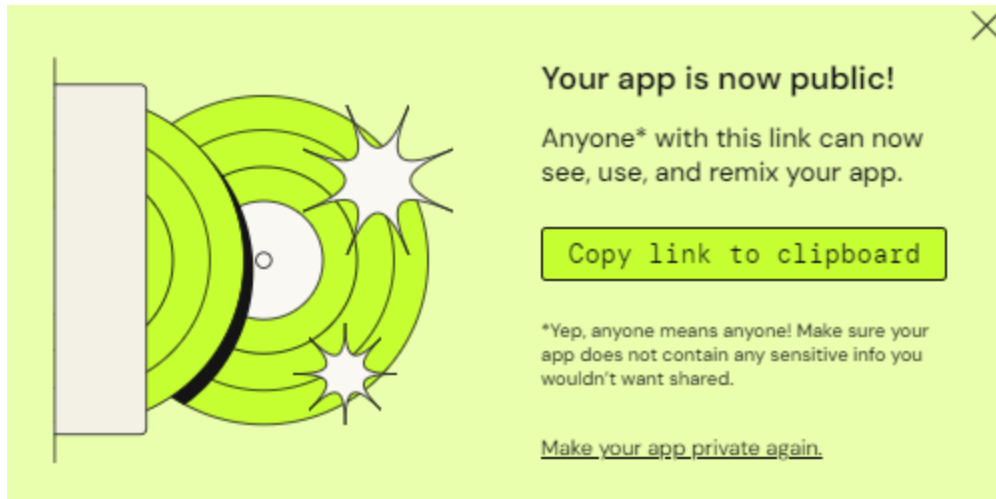
The picture isn't exactly what I asked for, so I'll change my parameters a bit.



Much Better!

STEP 4

Now that we're finished, we can make our app public for others to view and "remix" to suit their own interests.



Takeaways

One major factor that influences your usage of the PartyRock app is your initial prompt. Using a very detailed and specific prompt allows you to create my app, with all the added widgets, in the very beginning!