

Experience AI Challenge

Blueprint



Name:

Think: Where have you seen technology recommending things you might like?

First, have a [play with the Thing translator by clicking this link](#) (you'll need a computer or device with a camera - if you don't have one, you can skip these two questions). While you're taking pictures of things, think about:

- 1.** What is the application doing? What clues can you see on the screen?

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- 2.** How do you think the application works to output/ produce these predictions?

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Once you've had enough of the Thing Translator, have a [play with an AI powered game called Quick Draw by clicking this link](#). (You can use your mouse or trackpad to draw.)

While you're drawing, think about:

- 3.** What is the application doing? What clues can you see on the screen?

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- 4.** How do you think the application works to predict what you are trying to draw?

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Watch the [Video about Quick Draw](#) now, to see the designers of the game explain what it does, and have a look through the [Quick Draw image dataset gallery](#) to see what *thousands* of other people drew!

Testing Your Model's Results

Once you have tested a few of the images, answer the following questions:

Describe the results of your testing. How accurate was the model?

Why do you think the prediction is sometimes wrong?

How could you improve the accuracy of the model?

Choose: Pick two or three playlist classes for your model

Fill out the table for each of your playlist classes. For each playlist class, try to think of some musical **genres** that might match the energy you're going for. This will help later, when we are searching for music. Knowing artists and songs that fit the playlists is helpful too; you can find out what genres your favourite artists fall under and find more artists like them which you may not know!

Some tips:

- Pick two or three genres for each playlist class (you can have a genre in more than one class) so you don't end up with a playlist that is too narrow or 'samey'
- Think of some of your favourite songs or artists and use a search engine to find out what genre of music they play - [there is an excellent tool available at everynoise.com](https://everynoise.com) where you can search by artist and see their genre
- Think about TV, movie or video game soundtracks that inspire you and search up the artists and genres of the music it contains

Playlist	Artists & Songs	Musical Genres

NAME OF MODEL

Model description: *What does the model do?*

Intended use: *who might use this app and for what purpose/how it would benefit them?*

Limitations: *Describe any limitations in the data used to train the model: number of songs heard, where the data has come from, . What potential bias might be in the data?*

Data set: *Reference source of data. Number of items of data used to train model.*

Accuracy: *Report on results of testing - how well does your model pick music?*

Music prediction model

Model card

Model description:

Intended use:

Limitations:

Data set:

Accuracy: