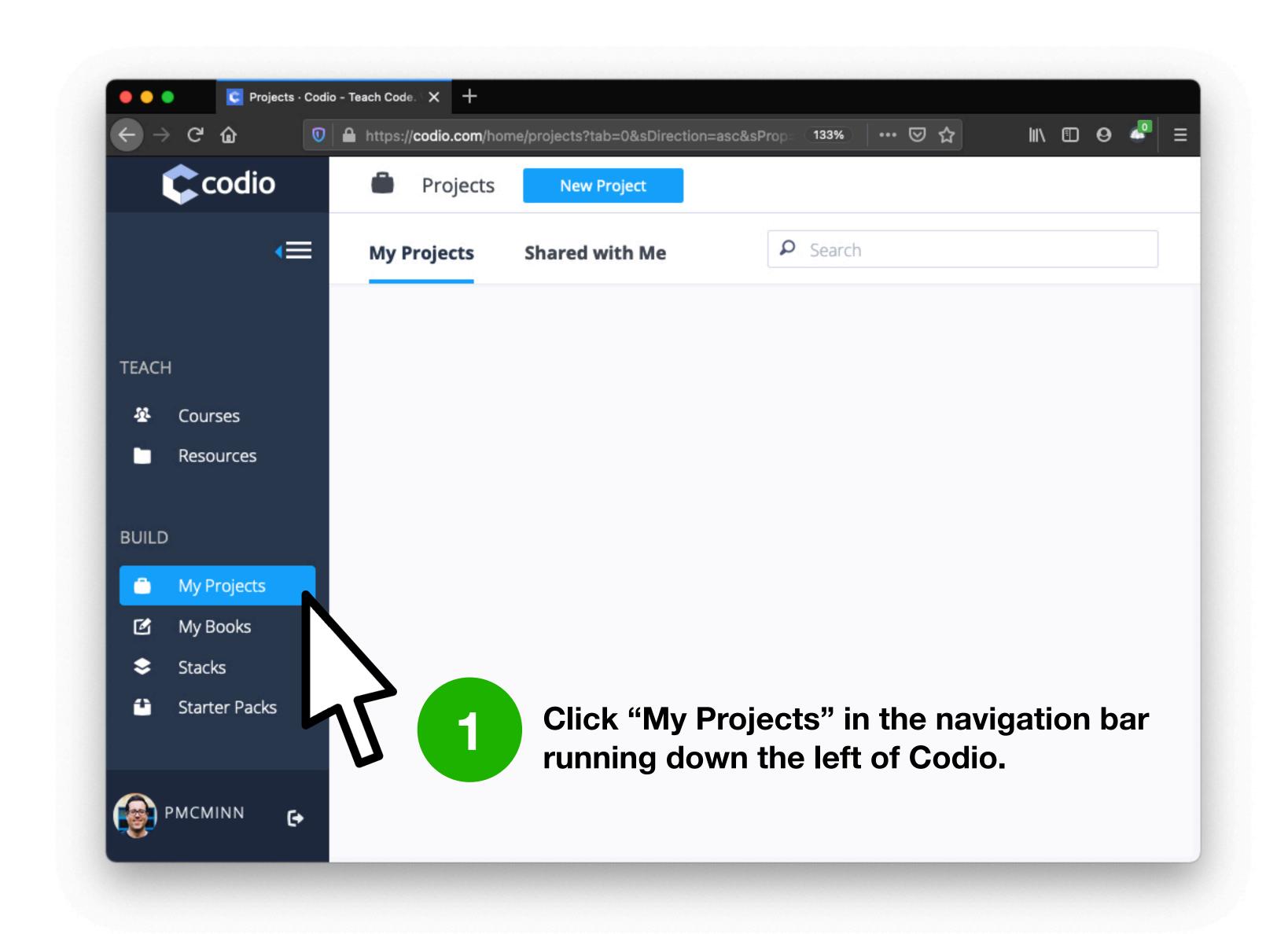


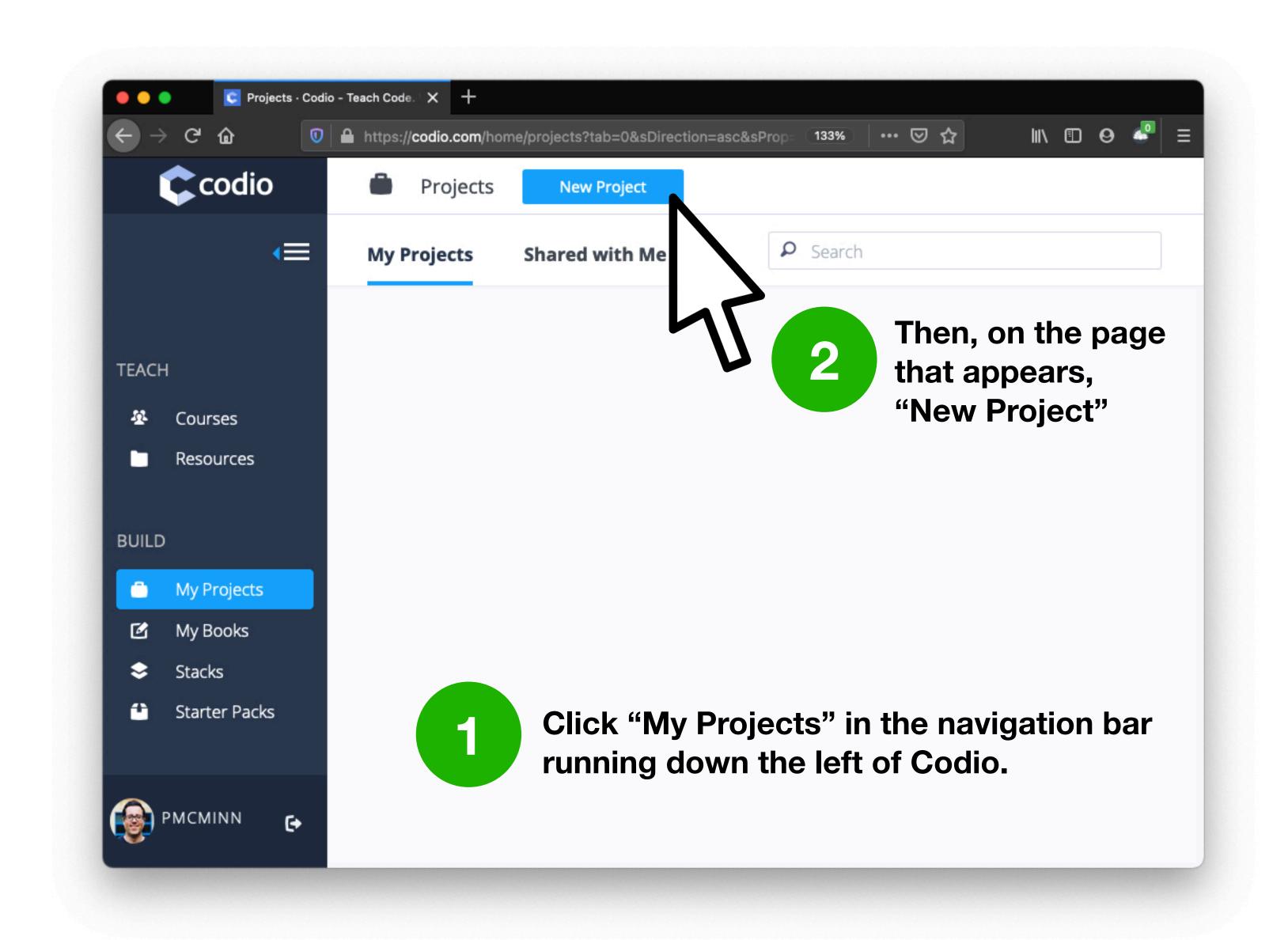
Professor Phil McMinn

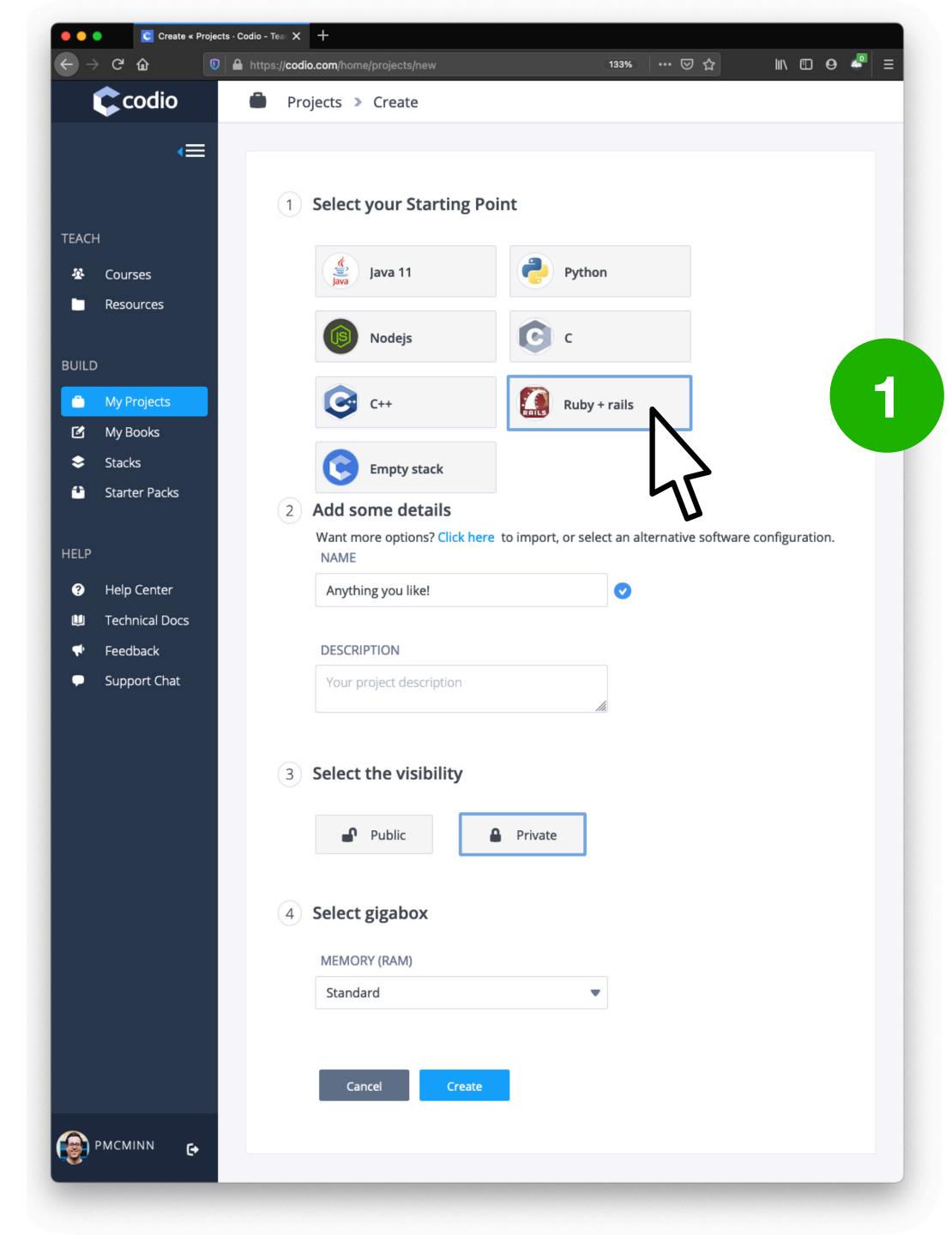
Getting Everything Setup for COM1001 Spring Semester

Before We Start... We Need to Setup Codio

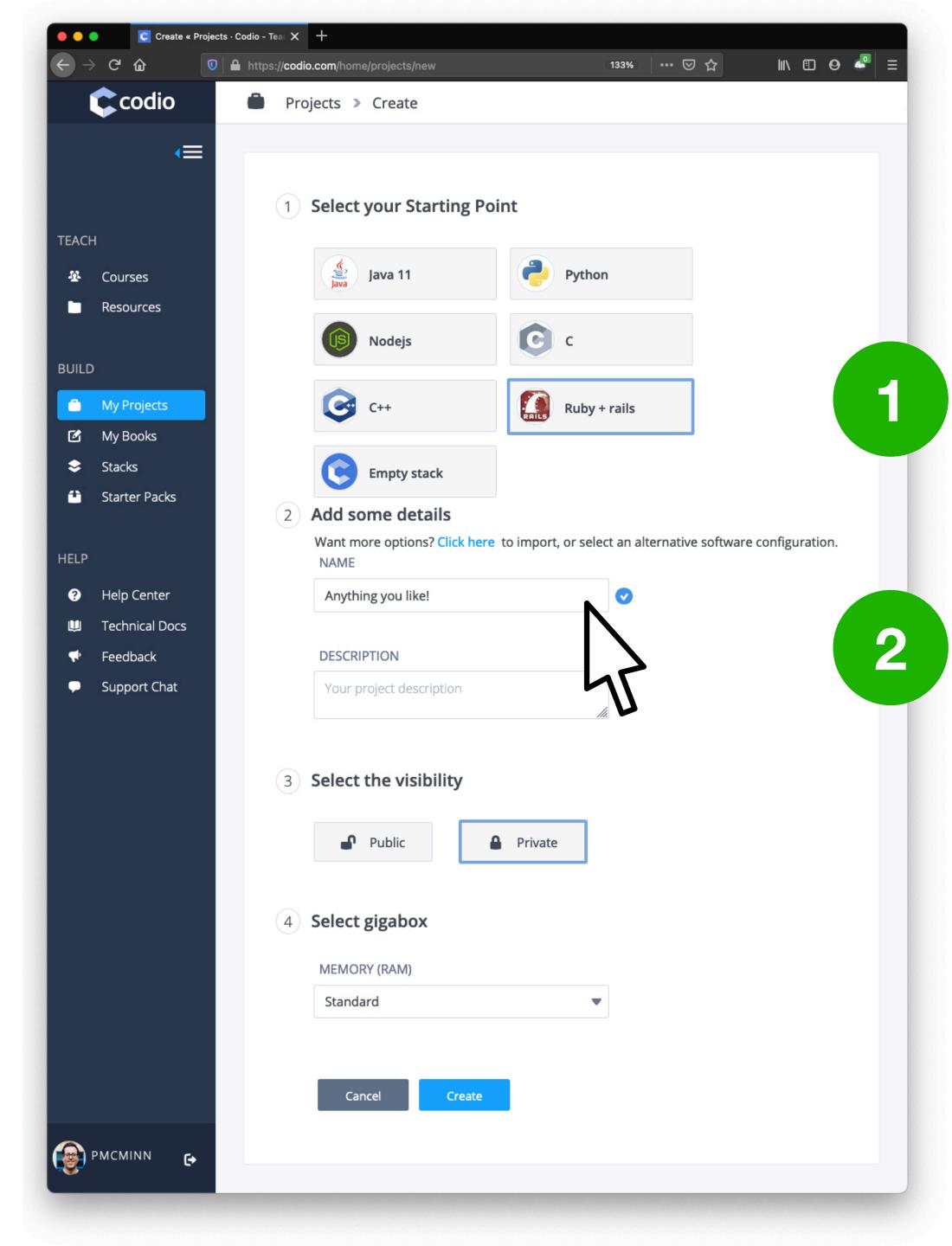


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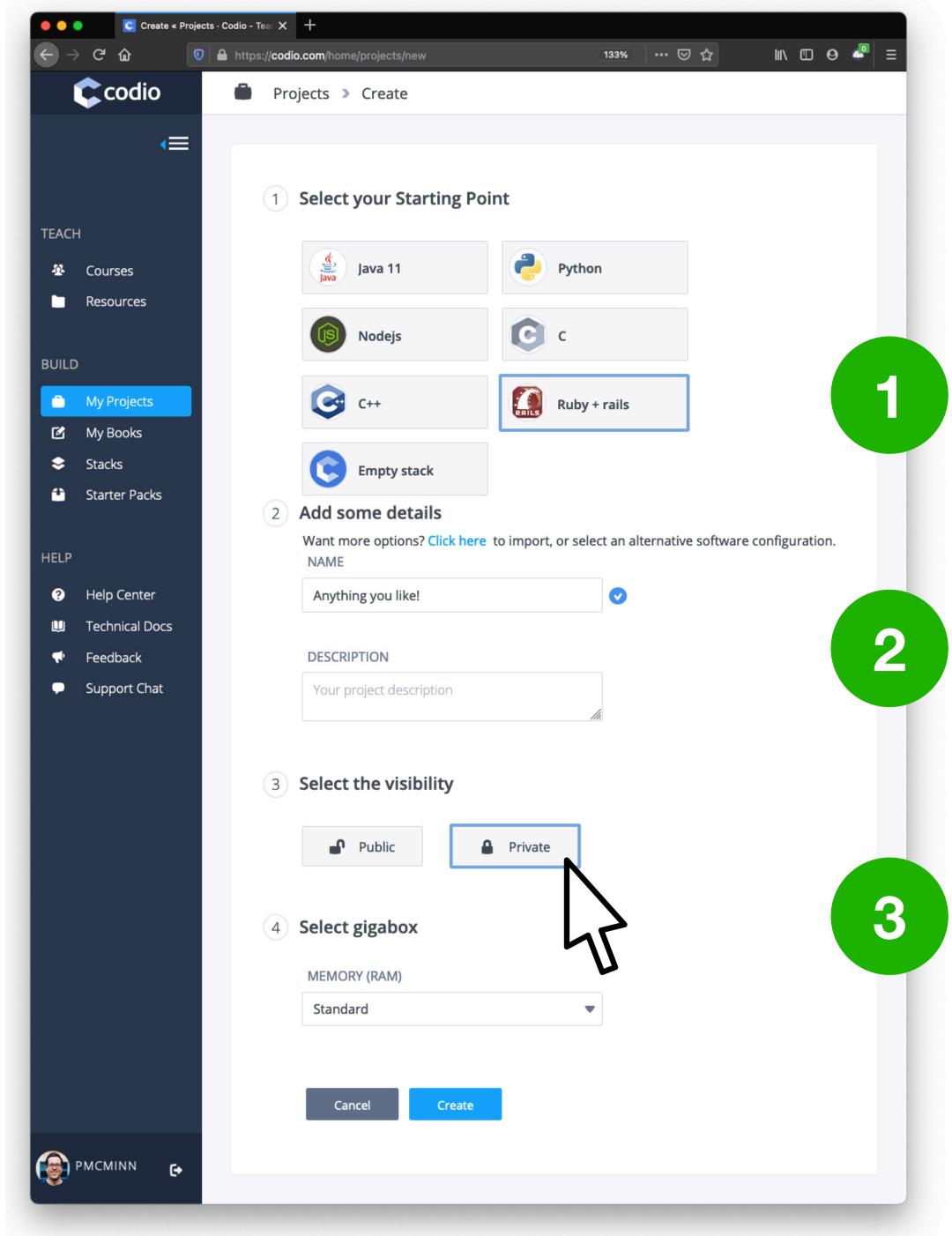


Ensure you select "Ruby + rails" as the starting point. This will ensure your Codio box has the closest set up for web application development with Sinatra. We will need to install more things later so that it's all perfect.



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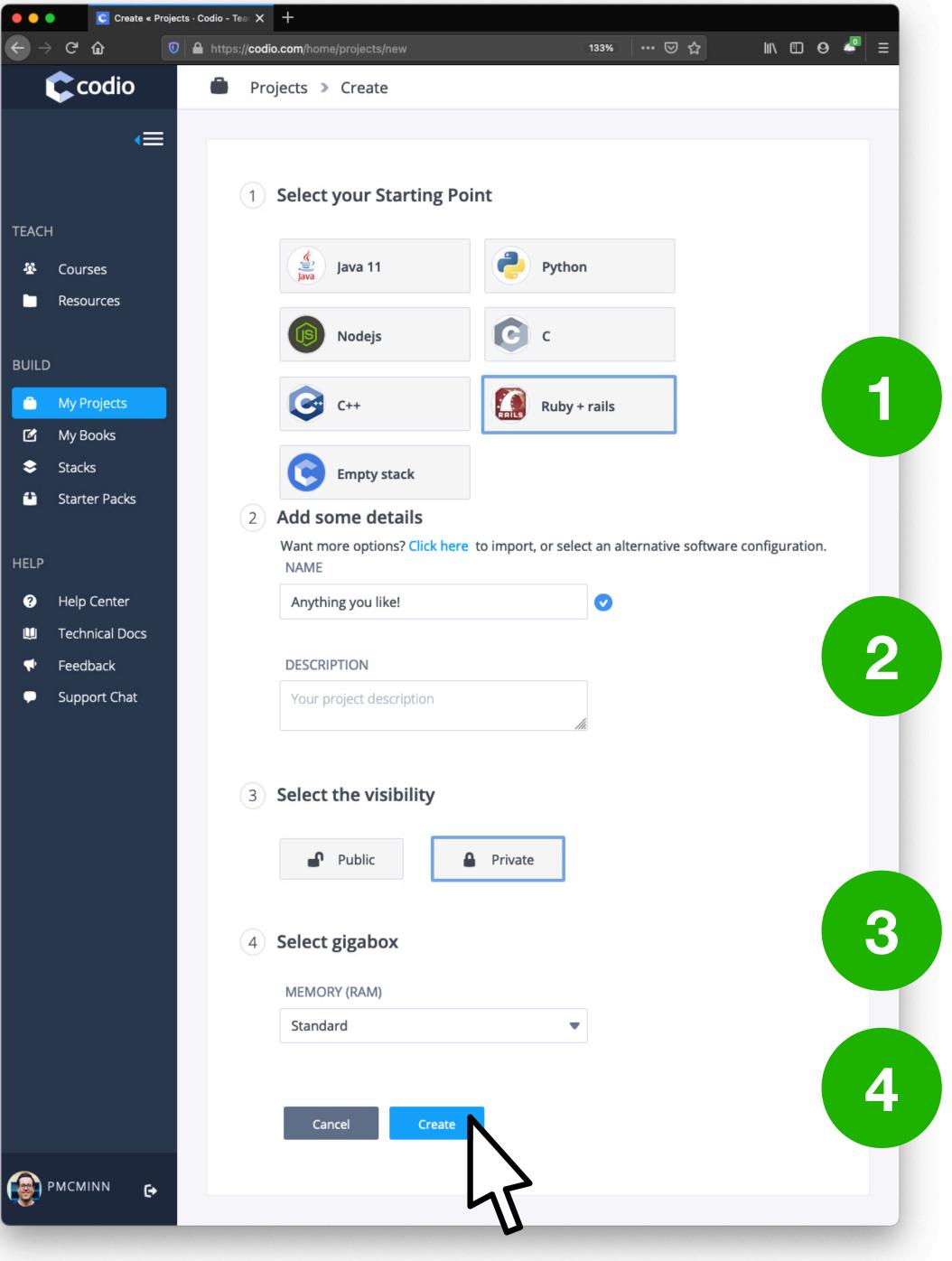
You can call your project anything you like. Mine is simply "com1001". This just helps you find it later. Codio will automatically generate a unique name for your box, which we'll need later. We'll come back to this.



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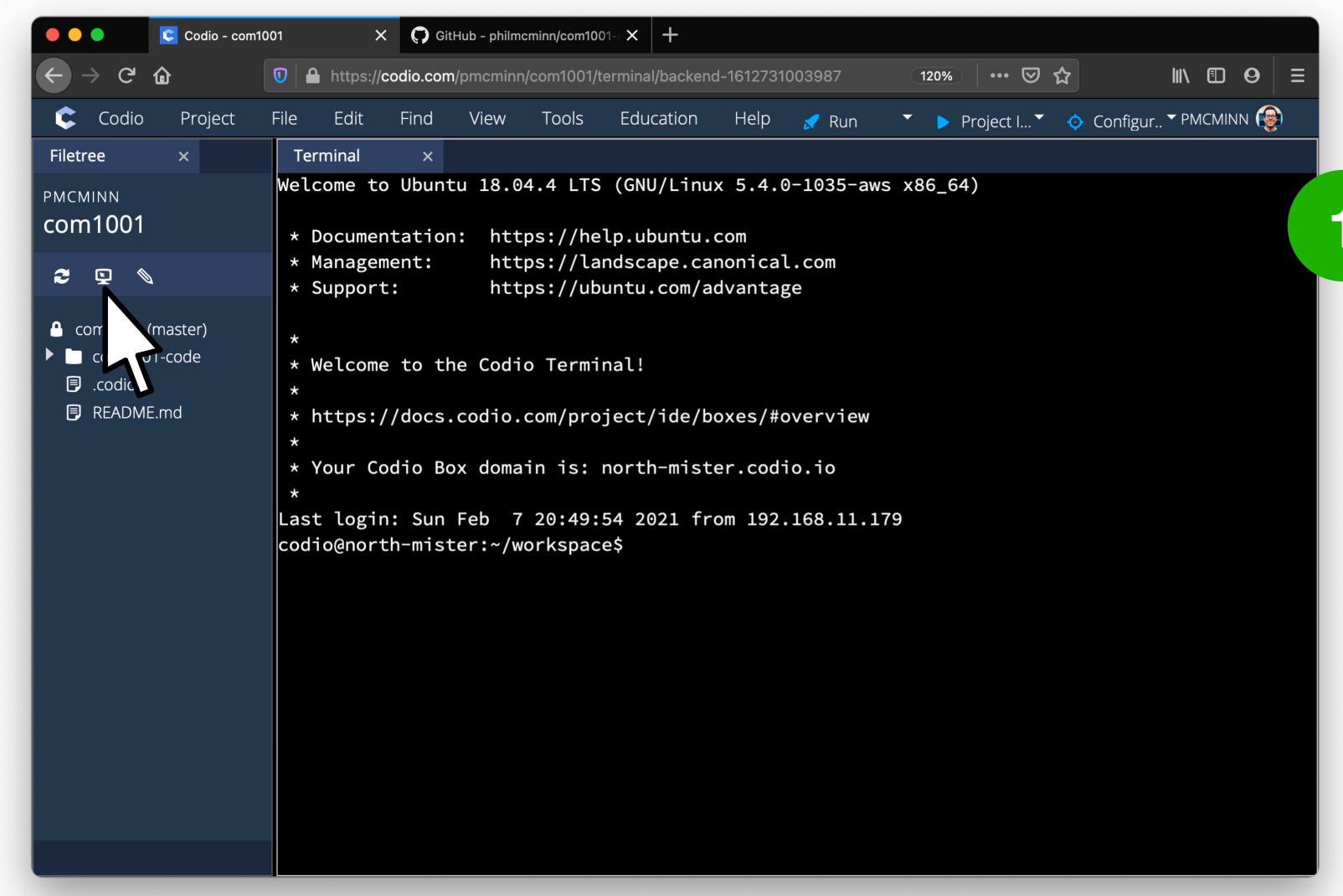
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Ensure your project, and all of its files are private to you.

Click "Create". The project will now be listed under "My Projects" for next time, so you can just click on it to boot up your Codio box, rather than recreating it.

Clone the Examples Repository

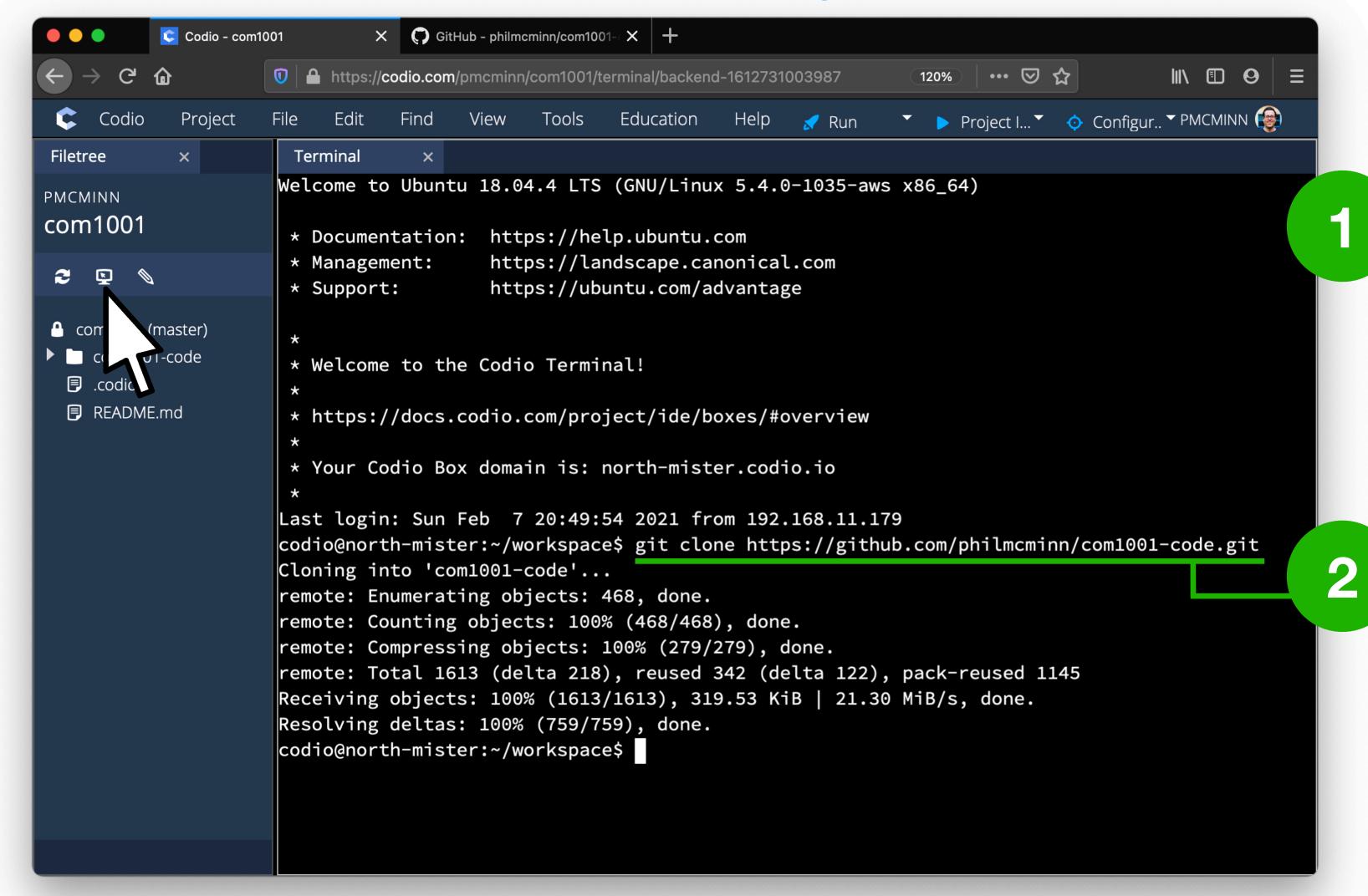
Home page: https://github.com/philmcminn/com1001-code



Open a terminal. It's the first option under the "Tools" menu. Or click the middle icon above the file tree that looks like a computer display.

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Home page: https://github.com/philmcminn/com1001-code



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Clone the repository by issuing this command.

Examples in the Repository

The first time an example appears from the repository in the slides, I will include its path and filename, like this:

This so that you can find it, try it out, study it, change it, and figure out how it works.

Usually you will need to change directory in which the file exists, e.g. cd com1001-code/basics

Unless otherwise stated, you will need use the ruby command to run the examples, e.g., ruby hello_world.rb

```
require "sinatra"
set :bind, "0.0.0.0"

get "/hello-world" do
   "Hello, World!"
end
```

basics/hello_world.rb

Sometimes, the example will need specific gems to run the code. If this is the case, you will find a Gemfile in the directory in which the code file lives, so that you can issue a bundle install command to get them. If you do not have Bundler installed issue gem install bundler at the terminal. (You will not need to do this on Codio.)