**Python (3.9+)** **or Typescript Backend** **Challenge**

**Task**:

* Build a RESTful api that services requests for sprocket factory data and sprockets.
* The app should be built using either Python (3.9+) or Typescript.
* For data retention, a database or cache can be used.
* Ideally, use docker/docker-compose for standing up the datastore.
* The code should be on a github repository that should be shared with your engineering contact.

**Requirements**:

* RESTful Endpoints
  + An endpoint that returns all sprocket factory data
  + An endpoint that returns factory data for a given factory id
  + An endpoint that returns sprockets for a given id
  + An endpoint that will create new sprocket
  + An endpoint that will update sprocket for a given id

   -  Seed data/examples of the factory and sprocket are in the attached JSON files

   -  Include a README with instructions on how to stand up the database and application