

“Star Wars”

Create a “Star Wars” backend with API (GraphQL or RESTful) for managing characters (see example data structure below). Include all CRUD (Create, Read, Update, Delete). Design or document API using tools like OpenAPI/Swagger or GraphQL SDL, implement unit/integration tests (whatever you see suit), use pagination to get a list of characters.

Use [NestJS](#) framework, Node.js and TypeScript.

Think how to best model and store data.

If you had to make any choices, document them as you go! We want to see your approach to the problem.

Additionally, include a short description of how you would ensure the application continues to run well in a production environment.

Example data structure in JSON:

```
{
  "characters": [{
    "name": "Luke Skywalker",
    "episodes": ["NEWHOPE", "EMPIRE", "JEDI"]
  },
  {
    "name": "Darth Vader",
    "episodes": ["NEWHOPE", "EMPIRE", "JEDI"]
  },
  {
    "name": "Han Solo",
    "episodes": ["NEWHOPE", "EMPIRE", "JEDI"]
  },
  {
    "name": "Leia Organa",
    "episodes": ["NEWHOPE", "EMPIRE", "JEDI"],
    "planet": "Alderaan"
  },
  {
    "name": "Wilhuff Tarkin",
    "episodes": ["NEWHOPE"]
  },
  {
    "name": "C-3PO",
    "episodes": ["NEWHOPE", "EMPIRE", "JEDI"]
  },
  {
    "name": "R2-D2",
    "episodes": ["NEWHOPE", "EMPIRE", "JEDI"]
  }
]
```