# Exercise and Questions for Quality Engineer Interview

Your dev team has been given the below requirements and have used it to build the API that can be found here:<https://swapi.dev>

## Requirements:

* The API should be able to return a list of all the Star Wars characters
* The API should be able to return the details of a specified Star Wars Character
* The API should be able to return a list of all the Star Wars planets
* The API should be able to return the details of a specified Star Wars planet
* Users should be able to search for the details of a character or planet
* "people": "http://swapi.dev/api/people/",
* "planets": "http://swapi.dev/api/planets/",
* "films": "http://swapi.dev/api/films/",
* "species": "http://swapi.dev/api/species/",
* "vehicles": "http://swapi.dev/api/vehicles/",
* "starships": "http://swapi.dev/api/starships/"

## Your Task:

1. Create functional test cases that validate that the requirements have been met.
2. Create a test suite that automates the tests written in step 1
   1. The tests should be formatted such that they can be shared with non-technical reviewers (eg: in plain English)
   2. The test results should be included in an automatically generated report that can be shared with the same non-technical reviewers
   3. The test suite should be capable of being incorporated into an automated integration and deployment pipeline
3. Question – which level of the test pyramid would these tests represent? Why are the concepts of the test pyramid important?
4. What are some factors you would take into account when designing the tests and the automation suite?

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1. Json schima check (validating for json data), structure of api validation