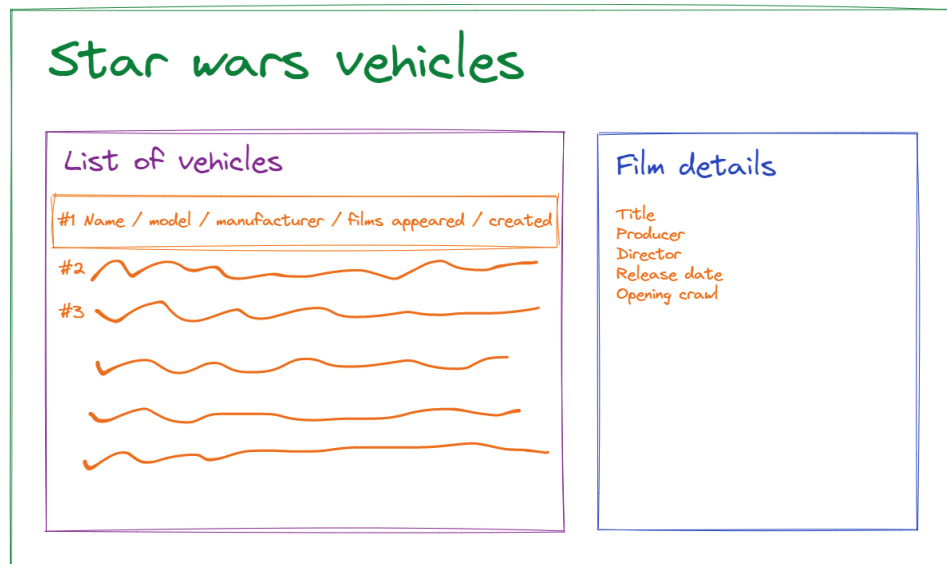# Take-Home (React Assignment)

OVERVIEW

As you might know, we are a vehicle tech company. We also love Star Wars!

Your task is to use the Star Wars API, aka SWAPI, to fetch all the vehicles featured in Star Wars films and present them into a UI according to the rough mock up provided. You do not need to adhere to the mockup exactly, but your work should roughly resemble it.

API DETAILS

Vehicles: https://swapi.dev/api/vehicles?format=json

 (data might be spread across multiple pages, use search params to specify page)

Films: https://swapi.dev/api/films/3/?format=json

PROGRAM REQUIREMENT

Must Have

1. Present the list of vehicles on the page.

2. With each vehicle, show all of the films each vehicle is featured in.

3. When clicking on a particular film, the film details should populate into the film section.

4. Selected film should persist across browser refresh

Bonus:

1. Optimize number of network calls / cache API requests

2. Add sorting functionality

3. Add filtering functionality

Rules:

1. Use ReactJS with hooks and Typescript to complete this task.

2. You can see the API implementation and data format by exploring the API docs at https://swapi.dev/.

3. You can use any styling utility of your choice, eg. Tailwind, Bootstrap or Material-UI.

Expected Deliverables

- Save code to a public GITHUB repo
- Bonus: Add unit tests
- Bonus: Sample run results

Expected Duration

2-4 hours