

## Brain in Hand

### Technical Exercise

**Role:** Full Stack Developer

**Objective:** To allow candidates to demonstrate their technical skills as well as their softer skills through presenting their work, discussing the choices made and possible alternatives and answering questions about the exercise.

**Task:**

- Create a simple Star Wars Character web app
- Use the API <https://swapi.dev/> for the content (or a similar API if you have a preference)
- The app should allow a user to:
  - List the characters from the show
    - Drill down to see a given Character's details, detailed info
    - Allow a character to be "liked" to show against the top-level listing (local store only)
    - Allow the user to create a character review containing:
      - Their Name
      - Date they watched (date via picker)
      - Review detail / description (multi line)
      - Rating (select from a list of 10 options)
      - Other appropriate fields if desired
      - Submit the review via a plausible API endpoint (the API does not support this so it will fail) and handle the inevitable error from the backend

**Tech:**

Vue 3

Pinia

Vue Router

Vuetify

**Bonus Points for:**

Add an example C# endpoint to showcase your C# skills and add wire into the frontend

Use of appropriate 3<sup>rd</sup> party libraries

Automated / unit tests

**What we are looking for:**

Technical:

- Demonstrate the use of Vue and common libraries where appropriate (or at least a capacity to pick up new tech fast)

- Demonstrate a software design and logical breakdown of components that would support further development and utilise SOLID principles
- Demonstrate use of Vuex and Vue Router
- Demonstrate a familiarity with SASS

**Soft Skills:**

- Demonstrate the ability to explain your work and indicate its good points and its shortcomings. Present ideas clearly and concisely.
- Demonstrate the ability to interact with your audience at the appropriate level

**How long:**

Most people say they spend approximately 6hrs but its up to you, do what you want/need to showcase your skills.