



Front End Technical Test

Connectr, our onboarding platform, uses a combination of content, quiz-style self assessment and personalisation to help our clients find top talent and our users find great employers. We have big plans for Connectr and are currently building a new version with a shiny new front end. This test is designed to assess the skills we use everyday.

Goal

Build a React quiz/game application using the Star Wars API. The rules of the game are based on the popular card game [Top Trumps](#) where a player with the highest score for an attribute wins the round e.g. the Millenium Falcon has greater speed than the Death Star.

Duration

Spend as much time as is required to demonstrate a solution approach and we expect that this should take 90 minutes or less. Aim to showcase your Front End skills

Requirements (priority order)

1. Display one Starship at random from the API. This should include the categories Starship name and class, maximum speed, cost in credits, number of passengers, and the total number of films featuring the Starship.
2. Categories should be clickable. Clicking a category (excluding Starship name and class) will return the data for another Starship which should be displayed to the user. The selected category is highlighted.
3. Compare the value of the clicked category to the category on the new card.
4. Display a message - "You win!", "You lose!" or "Draw!" - depending on the outcome of the comparison.
5. Display a score for the user and the computer. The score should be incremented or decremented accordingly.
6. A new card is retrieved for the winner (see constraints). The game continues.

Constraints

- Cards played by either the user or computer should not have been played before.
- Cards played by either the user or computer should not have been "won" by either player i.e. the computer should not play a card that has been won by the user in a previous round.

- On mobile devices the cards should stack. On tablet devices the cards should be displayed side by side. When the screen width grows very large a margin should appear either side so that the boxes don't keep getting larger.
- If there is any information that you feel is missing from the story then please make sensible decisions (for example, size of 'mobile', design of 'highlighted'). It is ok to use [Create React App](#) to get started. Use your judgement on look and feel but it should be easy to use.

Criteria for Assessment

- Coding style, i.e. your approach not whether you use semicolons or not ;)
- Your overall solution approach
- Maintainability and extensibility
- Use or responsive design
- Accessibility
- Meeting the requirements

API Details

REST: <https://swapi.co/>

GraphQL: <https://graphiql.graphcms.com/simple/v1/swapi>