Disney - Living Room Devices Client Engineering
Interview Candidate Assignment

Exercise: Take-Home Coding Assignment

Welcome to Disney!

We'd like to have you code an implementation of a common use case in the Disney Living Room Device Engineering group.

Please use the following technologies to complete the exercise.

Standard client-side web stack (HTML, JavaScript, CSS)
- HTML should be rendered on the client rather than server
- You may specify a specific browser that the app targets
- Use of 3rd party libraries or frameworks should be limited. Frameworks such as React or Angular should not be used. Build tools like Webpack are acceptable.

Assignment

Although the assignment is fairly limited in scope, treat it as a feature in a larger real-world application. Architecture, code quality, separation of concerns, and defensive coding are important. Quality is desired over quantity, so proper coding and architectural decisions have more impact than completing any of the extra credit tasks. Once the assignment is complete, we will review your work to assess the technical decisions made as well as the completeness and quality of the work.

1. Review the requirements below and ask any questions you have.
   a. Our intent is not to take too much of your time, so try to scope a solution that can be completed with a reasonable amount of effort.
   b. In the interview, we will discuss things you might do differently if given more time.
2. Code the example and please feel free to ask any additional questions during this phase.
3. Provide the code for review, either on a code repository or by email, DropBox, etc.
4. Provide instructions for running the app.
   a. The simplest instruction might be to provide a URL where the app is hosted.
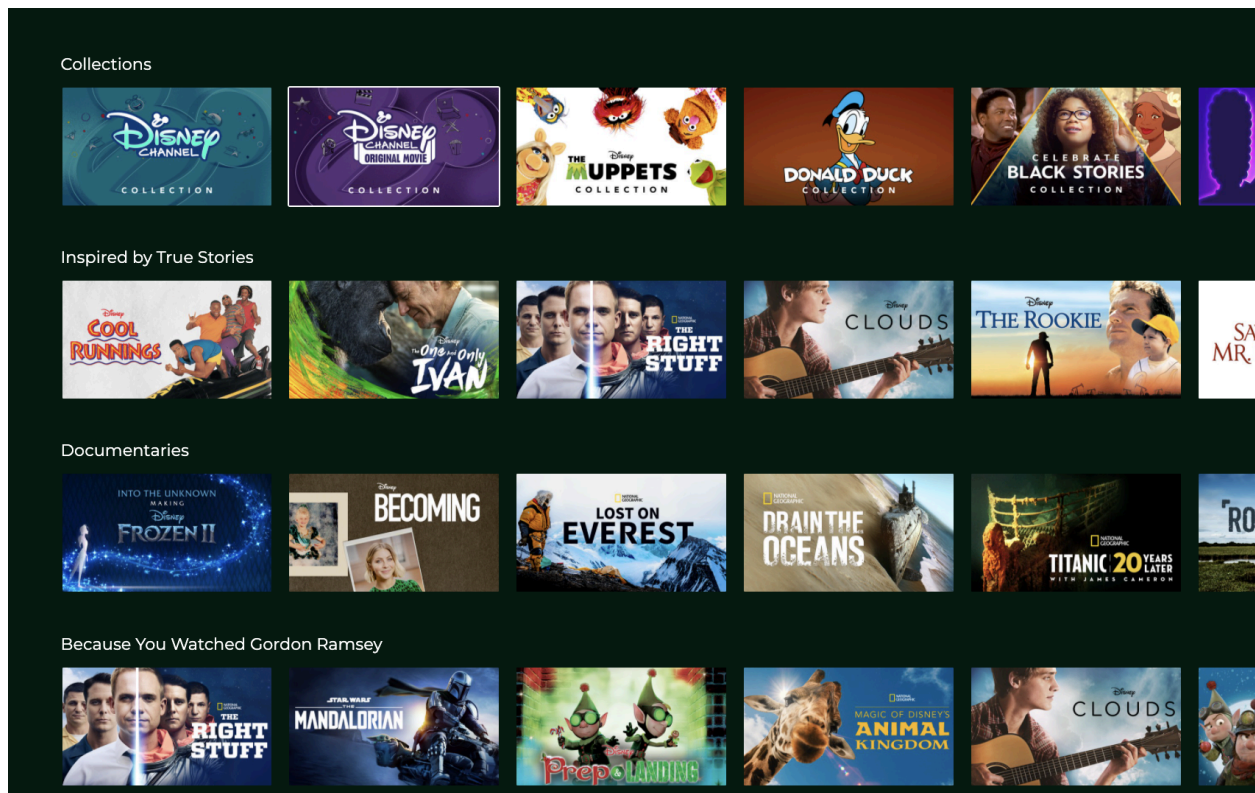   b. If desired, provide installation instructions for running locally including any build scripts if applicable.

Data API

- https://cd-static.bamgrid.com/dp-117731241344/home.json will provide data to populate a "Home" page similar to the current Disney+ experience.
- https://cd-static.bamgrid.com/dp-117731241344/sets/<ref id>.json will provide data for dynamic "ref" sets. The "ref id" will be provided in the "home.json".

Requirements

- Create a page that consumes the home page API and renders the pre-populated data onto the screen.
- The focused tile must be scaled up.
- The app should support navigation similar to a remote control, e.g. up/down/left/right/enter/back/etc. Avoid mouse input.
- Minimum layout should be multiple rows of data, but please feel free to add in your own design ideas as well!
- Allow interaction or selection of a tile. For example, show a modal with data on selection.
- Handle any UX or data issues.

Example Layout Idea

Extra Credit

1. Dynamically populate the "ref" sets as they come into view.
2. Incorporate transitions and/or visual aesthetics.
3. Use the Video Art included in the data as part of the tile interaction.
4. Add some Disney magic.