It is the year 2050 and SpaceX has made travel to Mars a common place for everyday people. Unfortunately, they've had a few accident(s) along the way. Therefore, as the intrepid reporter you’re, with a knack for web development, you decide to bootstrap an application that will allow you to review all of their records and file reports on anything that you find suspicious via their publicly accessible [GraphQL API](https://studio.apollographql.com/public/SpaceX-pxxbxen/variant/current/explorer).

Your final source code will need to be pushed to a publicly accessible repository as well as publicly hosted, via a service like [Netlify](https://www.netlify.com/).

Good luck and remember to have fun!

**Required technologies:**

1. React
   1. Version 18 or greater
2. TypeScript
   1. Version 5 or greater
3. React Router
   1. Version 6 or greater
4. React Hook Form
   1. Or any other similar package
5. Apollo/Client
   1. Version 3.5 or greater
6. Sentry.io *(BONUS)*
   1. Version 7 or greater

**Minimum requirements for the application:**

* Query component
  1. Objectives
     + Dynamic event selection
       - Launch pads
       - Launches
       - Upcoming launches
       - Capsule information
       - Company information
       - Etcetera
     + Dynamic field selection per event *(BONUS)*
  2. Functionality
     + Filtering (if applicable for event)
     + Sorting (if applicable for event)
* Report component
  1. Objective
     + Stores filed reports in global state via Redux
  2. Functionality
     + Filtering (if applicable for event)
     + Sorting (if applicable for event)
     + Field validation
       - Do not allow in any field:
         * HTML
         * Credit Card numbers
         * SQL *(BONUS)*
* Reports component
  1. Objective
     + Displays reports
  2. Functionality
     + Filtering (if applicable for report)
     + Sorting (if applicable for report)
     + Retrieve and view results that were set to be reviewed *(BONUS)*

**Bonus Project:**

Please check out the C# ASP.NET MVC application hosted here. It is in need of some TLC. Perform a code review on the provided project, refactor and optimize as you see fit.

*Hint:* The code may not all work.

Repo:

https://github.com/developers-d2ggroup/dotnet-mvc-refactor-codebase/tree/main