**Test exercise**

**Task:** To develop a website for searching movies and finding details about the movie. In the attached document, you’ll find 4 views (1, 2.1, 2.2, 3), an excel file having list of movies and Xd file for the prototype. If you don’t have Adobe Xd, you can visit <https://xd.adobe.com/view/58515680-d783-4262-51d2-364650e2cce6-2e60/> to see the prototype. Using that you’re required to develop a ‘responsive website’ with following requirements.

1. Signup screen: It has a form with 3 fields i.e. Full name, email address and password. You have to apply validators with given conditions:
   1. Full name: String consisting only of alphabets (without any special character or number)
   2. Email: must be in standard email format ([abc@xyz.com](mailto:abc@xyz.com))
   3. Password: At least 8 character long. Must have an uppercase letter and an integer

Signup button should only work once all three required conditions are met.   
  
Tip: You might want to provide visual cues to user in case of incorrect data.

1. Movie index page: Movie index page has 3 components. List of 100 movies with year, rating is provided as sample data with this document. Feel free to convert it to any format of your choice
   1. On top there is a search bar which searches the movie by its name and show it in the content space below
   2. Sort: It is to sort the movies in 3 order.
      1. By name: Alphabetically. A -> Z
      2. By year: Most recent first. (reverse chronological order)
      3. By rating: Highest rating first
   3. Movie cards: Max 9 cards are displayed with a ‘Load more’ button at the bottom. Once the ‘Load more’ is pressed, another 9 results are displayed (as in 2.2) till all results are displayed

Hint: you can use ‘pagination’

1. Detail page: This page has a carousel on the top with featured movie cards {Provided in excel document with isFeatured = true} Design of cards is same as Movie index page. Below that, a card for selected movie is displayed.

Anything in addition to these requirements is always appreciated. Feel free to show your skills and creativity.

Once you’re done, you can deploy the project on any service of your choice. Else you can provide us the source code in .zip file or GitHub link. Your code will be evaluated on following parameters:

·         Approach to solve the problem

·         Quality and scalability of your code

·         Best practices like comments, proper naming convention, etc.

For this exercise, you’re provided a period of 14 days.

We hope you enjoy working on this challenge and give your best input.

We reviewed your product and appreciate that you focused on aesthetics of the product and making code more understandable. However, there are a few points that you might need to re-work on:

* **Name validator:** The name validator in your signup form notifies user that only alphabets are allowed once user fills entire form and hits SignUp button. However, user should be notified that his input is not valid even before pressing that button. A more desired solution would be to have message display as soon as an incorrect data is entered. Also, the field as per exercise is Full name not first name, so spaces should be valid input.
* **Password:** Password validator currently displays only one error message that ‘Password must be (at least) 8 character long.’ However, it doesn’t say about other conditions like a special character, an alphabet and a number is required. The challenge here is to work with multiple validators and error messages.
* **Search:** The search isn’t yielding the correct results. Test case: typing ‘ice’ in search bar should ideally show Ice-age movie at top. Currently that’s not happening. Check that
* **Sort:** Visual cues are required for sort to indicate what kind of sort is active. Currently, user doesn’t know whether its sorted by name or rating or year which shouldn’t be the case.
* **Responsive design:** The website design is not truly responsive in the sense that it lacks readability at smaller screens. Currently font size is also reducing with screen size making it hard to read on mobile devices.
* **Header:** Header is missing on movie detail view making it difficult to navigate back to index page.
* **Infinite scrolling:**Since you mentioned that in your cover mail, I wanted to take this point in detail. Currently your site loads all the cards in one go which tremendously increases the page-load time and data consumption (even worse for mobile devices). Still its manageable in small sites however imagine loading ten-thousand cards in one go. Load more might not be the best solution but has its purpose. Since you mentioned Instagram, it is based on concept of ‘infinite loading’. It loads the data in small chunks and as soon as user reaches end of page, it loads more data. So, I’ll recommend you to introduce that in your project. You may assume a batch of 10 cards and which are loaded once user scroll down to bottom.

That’s all for now. Hope to see the updated version soon.