Sogeti Frontend Developer

Assessment

1. Introduction

This is the Sogeti Frontend Developer Assessment. The assessment is intended to give the reviewer insight in your technical abilities, development approach and general technical working habits. We view your performance on this assessment as indicative of the work you will deliver as a Sogeti frontend developer.

The assessment can be made privately and is to be later discussed during an interview. We have prepared a "Movie app" case, further described below. Read the case carefully and approach as you would with a regular project. The assignment should be implemented in JavaScript. You are free to use any library, framework or superset of your choice. We expect that you'll need about 5 to 8 hours to work on the assessment.

For the assessment discussion, please bring a laptop with a working development environment so that we can look at parts of the application together.

Make sure to prepare yourself to tell something about the following subjects:

the overall approach you took to implement the assignment, the architecture of the solution and the technologies used your solution for each of the user stories.

Good luck with the assignment!

The case

A cinema asks Sogeti to create a web application in which information about movies can be easily accessed.

The client does not have any framework or library requirements. The application will be used as an internal, stand-alone application. As such you are free to use a framework or library of your choosing. The application will be accessible for all employees within the client's network, authentication is not required.

2. Requirements

Minimal requirements

Search page

1. The application can search movies by title.

2. A single search query returns the top 5 movies as provided by the Search API

3. For each movie the following information will be displayed:

   o Poster

   o Title (Released)

   o Type

   o Year

   o Rated

   o Genre

   o Director

   o Actors

   o Plot (full)

   o Awards

Featured page

1. The application highlights two predefined movies, displaying the following information:

   o Title

   o Year

   o Awards

   o Poster

   o Plot (full)

2. On page load the data of the two movies must be retrieved from the API.

Bonus requirements

1. When searching movies plot can be set to either 'full' or 'short'.

2. Read more functionality for full plot after 200 characters.

3. Display genre, writer and actors as a list instead of comma separated.

4. Responsive design

Resources

The information will be based on IMDB data provided by a publicly available OMDB API. Documentation can be found at http://www.omdbapi.com. Use the following API key: *6c3a2d45*

Example search

Request method	GET
Request URL	http://www.omdbapi.com/?s=bridge&apiKey=6c3a2d45
Status code	200 OK
Response	```{
"Search": [
{
"Title": "Bridge of Spies",
"Year": "2015",
"imdbID": "tt3682448",
"Type": "movie",
"Poster": "https://domain.com/example.jpg"
},
{
"Title": "The Bridge on the River Kwai",
"Year": "1957",
"imdbID": "tt0050212",
"Type": "movie",
"Poster": "https://domain.com/example.jpg"
},
{
"Title": "Bridge to Terabithia",
"Year": "2007",
"imdbID": "tt0398808",
"Type": "movie",
"Poster": "https://domain.com/example.jpg"
}, {…}, {…}, {…}, {…}, {…}, {…}
],
"totalResults": "804",
"Response": "True"
}```

Example search by ID

Request method	GET
Request URL	http://www.omdbapi.com/?i=tt3682448&apikey=6c3a2d45
Status code	200 OK
| Response | ```json
{
  "Title": "Bridge of Spies",
  "Year": "2015",
  "Rated": "PG-13",
  "Released": "16 Oct 2015",
  "Runtime": "142 min",
  "Genre": "Drama, History, Thriller",
  "Director": "Steven Spielberg",
  "Writer": "Matt Charman, Ethan Coen, Joel Coen",
  "Actors": "Mark Rylance, Domenick Lombardozzi, ...",
  "Plot": "During the Cold War, an American lawyer ...",
  "Language": "English, German, Russian",
  "Country": "USA, Germany, India",
  "Awards": "Won 1 Oscar. Another 30 wins & 97 nominations.",
  "Poster": "https://domain.com/example.jpg",
  "Ratings": [
    { "Source": "Internet Movie Database",
      "Value": "7.6/10" },
    { "Source": "Rotten Tomatoes",
      "Value": "91%" },
    { "Source": "Metacritic",
      "Value": "81/100" }
  ],
  "Metascore": "81",
  "imdbRating": "7.6",
  "imdbVotes": "213,475",
  "imdbID": "tt3682448",
  "Type": "movie",
  "DVD": "02 Feb 2016",
  "BoxOffice": "N/A",
  "Production": "Dreamworks Pictures",
  "Website": "http://bridgeofspies.com/",
  "Response": "True"
}
``` |