**User Stories**

* US-01: As a user, I want a list of movies available as soon as I open the web application, so I can scroll through without knowing the movies.
* US-02: As a user, I want to filter through a list of movies by its title, so I can find the movies I want.
* US-03: As a user, I want to move between web app pages if the list is too big, so I don’t have an extensive list of movies.
* US-04: As a user, I want to be able to use the app for Chrome, Safari, and Edge, so I it will be available on all my devices.
* US-05: As a user, I want the system to implement caching, so repeat requests do not trigger subsequent requests to external systems.
* US-06: As a user, I want the system to handle API issues, so I can see a detail message.

**Acceptance Criteria**

**US-01:**

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| --- | --- |
| **Scenario** | Read movies list |
| **Given** | The user navigates to the main page |
| **When** | The user enters the page |
| **Then** | The system must load a list of movies |

**US-02:**

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| **Scenario** | Filter movies list |
| **Given** | The user navigates to the main page |
| **When** | The user types on the search field |
| **Then** | The system must search for the movies |

**US-03:**

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| **Scenario** | Movie paging |
| **Given** | The user navigates to the main page |
| **When** | The user types on the search field |
| **Then** | The system must search for the movies that have in the title the given search |

**US-04:**

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| --- | --- |
| **Scenario** | App usage |
| **Given** | The user accesses the web app |
| **When** | The user accesses the web app from the browser chrome |
| **Then** | The system must work as intended |

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| --- | --- |
| **Scenario** | App usage |
| **Given** | The user accesses the web app |
| **When** | The user accesses the web app from the browser edge |
| **Then** | The system must work as intended |

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| **Scenario** | App usage |
| **Given** | The user accesses the web app |
| **When** | The user accesses the web app from the browser safari |
| **Then** | The system must work as intended |

**US-05:**

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| **Scenario** | App Requests |
| **Given** | The user requests movies |
| **When** | The user requests data already requested |
| **Then** | The system must not request the data to the external API |

**US-06:**

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| --- | --- |
| **Scenario** | App Exceptions |
| **Given** | The system has an exception |
| **When** | The there is a malfunction |
| **Then** | The system must handle the errors to show |

**Required Stack**

* The back end should be in C# (.NET Core).
* The front end should be in React.
* The back end should be a Web API (Restful).

**Delivery Requirements**

* The complete source code of the project must be provided.
* Instructions on how to run the project must be provided (and should be standard, with no custom deployment or build tools).
* Code must run on Windows.
* UI elements can be done using React Material, but we are less concerned with the design, and more concerned with the approach and quality of the code itself.

**External System Documentation**

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| --- | --- | --- |
| **URL** | **Description** | **Query Parameters** |
| https://jsonmock.hackerrank.com/api/movies/search/ | API | **Title**  Type: string  **page**  Type: number |