

VISOKA ŠKOLA STURKOVNIH STUDIJA ZA INFORMACIONE I  
KOMUNIKACIONE TEHNOLOGIJE

Internet tehnologije

# INFOFILM

<https://bekamarkovic.github.io/infofilm/>

Student:

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# Sadržaj

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# 1. UVOD

## 1.1. Korišćeni programski jezici

Za izradu sajta korišćeni su HTML 4, CSS3, JavaScript, jQuery, AJAX i JSON. Program u kom je pisan kod je Visual Studio Code.

## 1.2. Opis funkcionalnosti

Sajt ima sledeće:

Na svim stranicama meni i ikonice u futeru se učitavaju dinamički pomoću AJAX-a iz JSON fajlova.

U JSON-u film.json, glumci i pisci su sačuvani kao običan niz jer se sa njima ništa konkretno ne radi, služe samo za ispis.

### 1.2.1. Index.html

- Na vrhu stranice nalazi se dinamički učitani slajder iz JSON fajla.
- Link Filter na koji kada se klikne animacijom se pojavi div u kom se nalaze padajuće liste i checkboxovi za filtriranje i sortiranje.
- Dinamički učitani flimovi iz JSON fajla sa dugmetom "Add to watchlist" na koje kada se klikne izabrani film se čuva u LocalStorage-u i ispisuje na strani Watchlist.
- Slika i naziv filma su link koji vodi do stranice na kojoj se nalazi više informacija vezanih za izabrani film.
- Forma za koju je urađena validacija kroz JavaScript.
- Deo sa slikom autora i kratkom biografijom.

### 1.2.2.Watchlist.html

- Kada je stranica prazna ispisuje se obaveštenje i link za vraćanje na početnu stranu.
- Kada korisnik klikne na dugme “Add to watchlist”, koje se nalazi na strani index.html, na stranici se ispisuje izabrani film uz pomoć filtriranja i LocalStorage-a.
- Sve informacije ispisane za film su iz JSON fajla.
- U gornjem levom uglu tabele nalazi se broj filmova na stranici koji se menja dodavanjem i brisanjem filmova.
- U gornjem desnom uglu nalazi se padajuća lista za sortiranje dodatih filmova.
- Svaki film se može izbrisati iz watchliste klikom na dugme “Remove”.

### 1.2.3.Film.html


- Klikom na sliku ili naziv filma na stranici index.html, otvara se stranica film.html, na kojoj postoje dodatne informacije vezane za film, koje su iz JSON fajla.
- Na stranici se radi filtriranje na osnovu id-ja prosleđenog u url adresi.
- Korisnik na ovoj stranici može oceniti film, ali samo jednom. Njegova ocena se čuva u LocalStorage-u.

## 1.3. Template

Za sajt nije korišćen gotov template.

[Home](#)
[Movies](#)
[Watchlist](#)
[Author](#)
id="meni"
id="meni"
id="logo"
[InfoFilm](#)

id="header"



## Sonic The Hedgehog

After discovering a small, blue, fast hedgehog, a small-town police officer must help it defeat an evil genius who wants to do experiments on it.

Director: Jeff Fowler  
Writers: Patrick Casey, Josh Miller  
Stars: Ben Schwartz, James Marsden, Jim Carrey

class="slika"

class="opisFilma"











id="slajder"

id="sredina"

Filter

id="filter"


id="filmovi"

 <p><b>Sonic The Hedgehog</b> Action, Adventure, Comedy Stars: Ben Schwartz, James Marsden, Jim Carrey</p> <p>★ 6.9 <a href="#">Add to watchlist</a></p>	 <p><b>Call Of The Wild</b> Adventure, Drama, Family Stars: Harrison Ford, Omar Sy, Cara Gee</p> <p>★ 6.8 <a href="#">Add to watchlist</a></p>	 <p><b>Parasite</b> Comedy, Drama, Thriller Stars: Kang-ho Song, Sun-kyun Lee, Yeo-jeong Jo</p> <p>★ 8.6 <a href="#">Add to watchlist</a></p>	 <p><b>1917</b> Drama, War Stars: Dean-Charles Chapman, George MacKay, Daniel Mays</p> <p>class="slikaFilma"</p> <p>class="informacije"</p> <p>class="film"</p> <p>★ 8.5 <a href="#">Add to watchlist</a></p>	 <p><b>Joker</b> Crime, Drama, Thriller Stars: Joaquin Phoenix, Robert De Niro, Zazie Beetz</p> <p>★ 8.6 <a href="#">Add to watchlist</a></p>
 <p><b>The Irishman</b> Biography, Crime, Drama Stars: Robert De Niro, Al Pacino, Joe Pesci</p> <p>★ 8 <a href="#">Add to watchlist</a></p>	 <p><b>Frozen II</b> Adventure, Animation, Comedy Stars: Kristen Bell, Idina Menzel, Josh Gad</p> <p>★ 7.1 <a href="#">Add to watchlist</a></p>	 <p><b>The Dark Knight</b> Action, Crime, Drama Stars: Christian Bale, Heath Ledger, Aaron Eckhart</p> <p>★ 9 <a href="#">Add to watchlist</a></p>	 <p><b>Interstellar</b> Adventure, Drama, Sci-Fi Stars: Matthew McConaughey, Anne Hathaway, Jessica Chastain</p> <p>★ 8.6 <a href="#">Add to watchlist</a></p>	 <p><b>Inception</b> Action, Adventure, Sci-Fi Stars: Leonardo DiCaprio, Joseph Gordon-Levitt, Ellen Page</p> <p>★ 8.8 <a href="#">Add to watchlist</a></p>

### Send in new movies

id="forma"

### About author








My name is Aleksandra Markovic. I am from Gornji Milanovac and I am 20 years old. I study internet technologies at ICT college and I am interested in programming and design.

id="autor2"

id="formaAutor"

© Aleksandra Markovic

id="futer"

filter

id="sortiranje"


id="search" Search movies

id="sortiranje" Sort


Choose a genre

- Action
- Adventure
- Animation
- Biography
- Comedy
- Crime
- Drama
- Family
- Horror
- Music
- Mystery
- Romance
- Sci-Fi
- Thriller
- War


id="zanrovi"




**Wild**  
na, family  
Fred, Omar




**Parasite**  
Comedy, Drama, Thriller  
Stars: Kang-ho Song, Son-kyun Lee, Ye-jung Jo




**Zen II**



**The Dark Knight**  
Action, Crime, Drama  
Stars: Christian Bale, Heath Ledger, Aaron Eckhart



**The Irishman**  
Biography, Crime, Drama  
Stars: Robert De Niro, Al Pacino, Joe Pez



**Frozen II**  
Adventure, Animation, Comedy  
Stars: Kristen Bell, Idina Menzel, Josh Gad

## Watchlist.html

[Home](#) [Movies](#) [Watchlist](#) [Author](#)

InfoFilm

id="drzac"

Number of movies: 1

Sort



class="sikaWatchlist"

### Parasite

2019 | 120 min | Comedy, Drama, Thriller | ★ 8.6

A poor family, the Kims, con their way into becoming the servants of a rich family, the Parks. But their easy life gets complicated when their deception is threatened with exposure.

Stars: Kang-ho Song, Sun-kyun Lee, Yeo-jeong Jo

Remove

class="infoWatchlist"

© Aleksandra Markovic

[f](#) [@](#) [t](#) [u](#) [i](#)

## Film.html

[Home](#) [Movies](#) [Watchlist](#) [Author](#)

InfoFilm

id="movie"

## Parasite

id="content"

Release Date: 30.5.2019.

Contry: USA

Running Time: 120min

Genre: Comedy, Drama, Thriller

Starring: Kang-ho Song, Sun-kyun Lee, Yeo-jeong Jo

Written by: Bong Joon Ho

Directed by: Bong Joon Ho

[Watch trailer](#)

★ 8.6/10

Your rating:



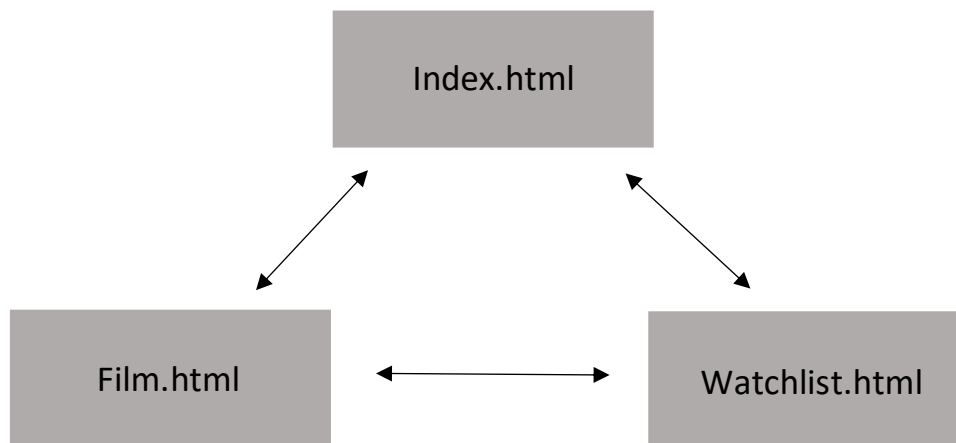
A poor family, the Kims, con their way into becoming the servants of a rich family, the Parks. But their easy life gets complicated when their deception is threatened with exposure.

id="image"

## 2. ORGANIZACIJA

### 2.1. Organizaciona šema

Sve stanice na sajtu su međusobno povezane. Postoji jedan izuzetak, ukoliko se na strani watchlist ne nalazi ništa, ne može se pristupiti strani film.html.



### 2.2. Mapa sajta

```
<?xml version="1.0" encoding="UTF-8"?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
  <url>
    <loc>https://bekamarkovic.github.io/infofilm/</loc>
    <lastmod>2020-03-27</lastmod>
    <changefreq>daily</changefreq>
    <priority>1</priority>
  </url>
```



```
<url>
  <loc>https://bekamarkovic.github.io/infofilm/watchlist.html</loc>
  <lastmod>2020-03-27</lastmod>
  <changefreq>monthly</changefreq>
  <priority>0.9</priority>
</url>
<url>
  <loc>https://bekamarkovic.github.io/infofilm/film.html?id=1</loc>
  <lastmod>2020-03-27</lastmod>
  <changefreq>yearly</changefreq>
  <priority>0.8</priority>
</url>
</urlset>
```

## 2.3. Stranice

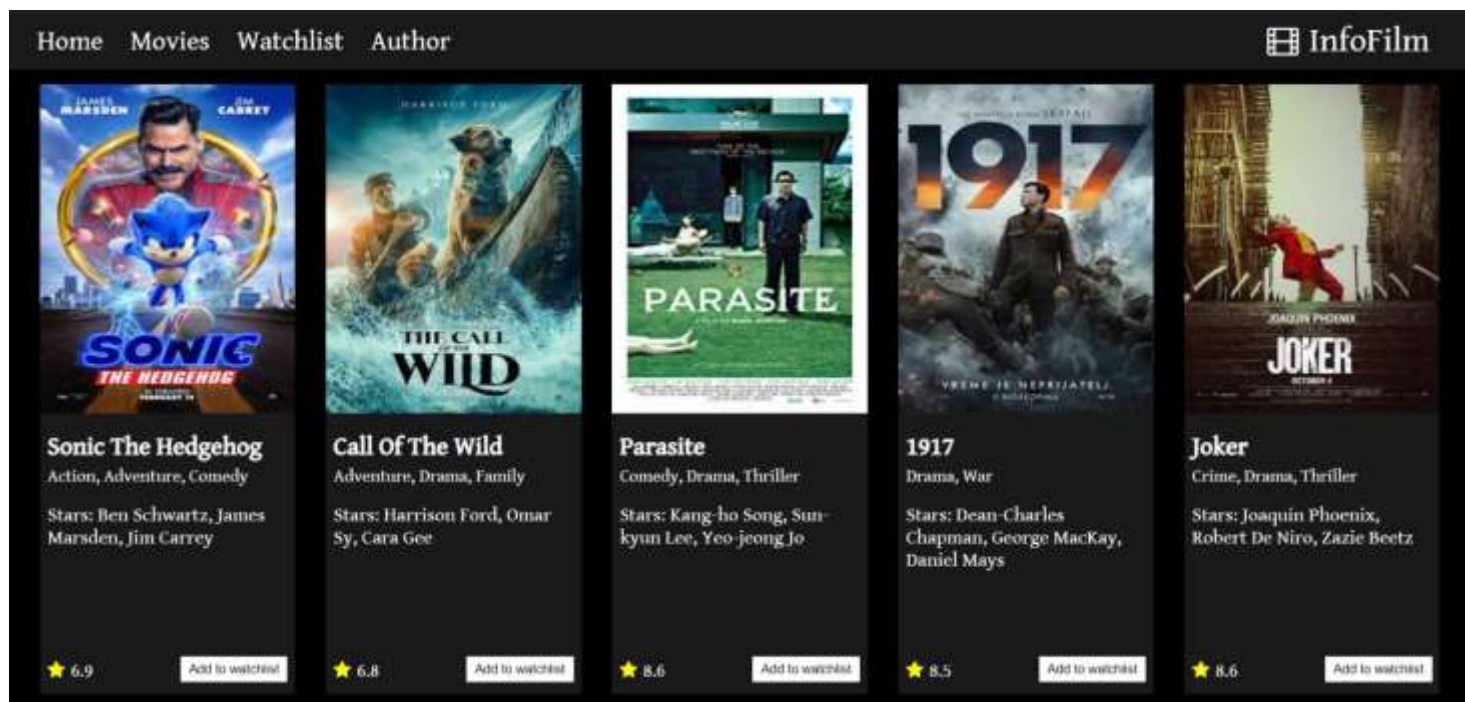
Na svim stranicama meni je učitán dinamički pomoću JavaScript-a, JSON-a i AJAXA. U JSON fajlu menu.json sačuvan je tekst i putanja do koje linkovi vode. Napravljena je funkcija u JavaScriptu koja dinamički ispisuje li elemente u listu i koja se poziva u AJAX-u koji dohvata podatke iz napomenutog JSON fajla.

Ikonice u futeru takođe su učitane dinamički na svim stranama. U JSON fajlu ikonice.json sačuvane su klase za ikonice (npr. fa-instagram) i putanja. Funkcija koja ih ispisuje se poziva u AJAX-u kojim se podaci dohvataju iz JSON-a.

## Index.html



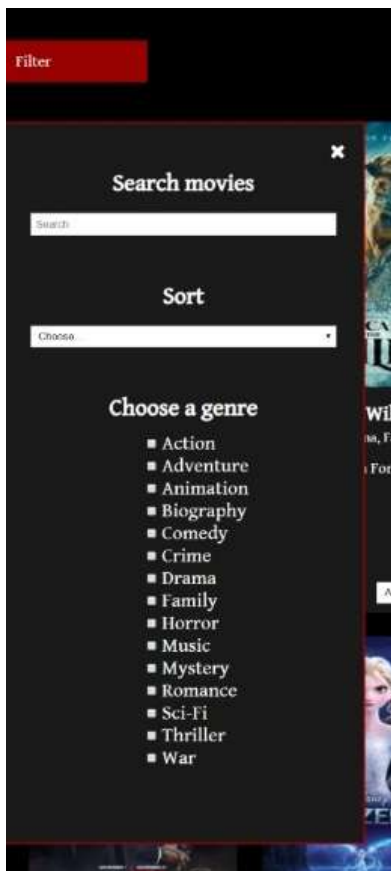
Na vrhu početne stranice nalazi se slajder u kojem se sadržaj menja na svakih 10 sekundi i koji je urađen pomoću jQuery-ja. Sve informacije dohvataju se AJAX-om iz JSON fajla filmovi.json i ispisuju pomoću funkcije u JavaScript-u. U JSON-u postoji svojstvo "slajder" kojoj je boolean i na osnovu njega se filmovi prikazuju u slajderu. Klikom na naziv filma ili na dugme "See more" odlazi se na posebnu stranicu na kojoj se nalaze dodatne informacije za izabrani film.



Ispod slajdera ispisani su filmovi. Oni se ispisuju dinamički kroz JavaScript, informacije se dohvataju AJAX-om iz JSON-a [filmovi.json](#).

Za žanrove i glumce postoji funkcija koja vrši obradu i dodaje zarez, koja je takođe korišćena za ispis glumaca i pisaca u slajderu. Slika i naziv su link koji vode do posebne strane za film.

Klikom na dugme “Add to watchlist”, id filma se čuva u LocalStorage-u i na osnovu njega se ispisuje sadržaj na stranici [watchlist.html](#). Kada se klikne na napomenuto dugme pojavi se popup prozor na kom piše poruka na osnovu toga da li je film već dodat u watchlistu ili ne.



Sa leve strane nalazi se link Filter na koji kada se klikne, animacijom urađenom u jQuery-ju, pojavi div koji sadrži liste za sortiranje i filtriranje.

Prva je pretraga koja je urađena na događaj keyup i filmovi se mogu pretraživati po nazivu filma i po imenima glumaca.

Nakon toga postoji padajuća lista za sortiranje filmova. Mogu se sortirati po nazivu, od a do z, po datumu, najnovije, po oceni, najbolje ocenjeno i po popularnosti, najpopularniji. Sve informacije se dohvataju is JSON-a.

Na kraju postoje checkboxovi za filtriranje po žanru. Žanrovi su dohvaćeni iz JSON-a [zanrovi.json](#). Može se čekirati više žanrova i takođe kada se neki checkbox odčekira ti filmovi se sklone. Sortiranje i filtriranje je povezano, što znači da ukoliko se prvo filtira, sortiraće se samo ti filmovi.

### Send in new movies

First Name


Last Name

Email

Movie

Send

### About author



My name is Aleksandra Markovic, I am from Gornji Milanovac and I am 20 years old. I study internet technologies at ICT college and I am interested in programming and design.

© Aleksandra Markovic

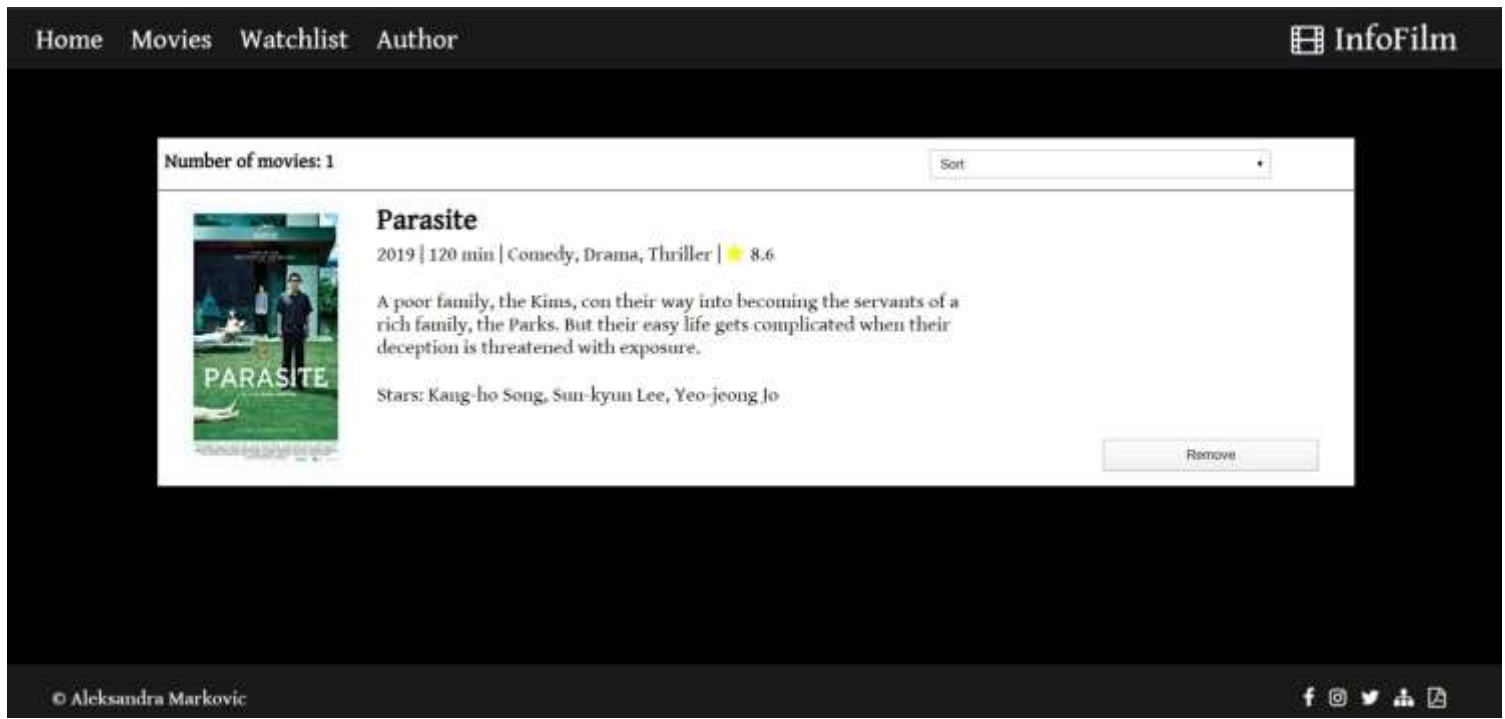
[f](#) [@](#) [t](#) [u](#) [p](#)

Na dnu početne strane nalazi se forma za kontakt i informacije o autoru.

Za autora postoji slika i kratka biografija.

Za formu je urađena validacija u JS-u. Klikom na dugme proverava se da li forma ispravno popunjena. Ako je prazna ili se ne slaže sa napisanim regularnim izrazima ivice inputa će pocrveneti. Kada se popuni kako treba iskoči popup prozor u kom piše da su podaci uspešno poslati i nakon toga forma se prazni.

## Watchlist.html



U watchlisti se ispisuju filmovi koje je korisnik prethodno dodao klikom na dugme “Add to watchlist”. Takođe, kao i pre, sve informacije se dohvataju iz JSON-a.

U LocalStorage-u se čuva id na osnovu koga se filmovi filtriraju i ispisuju funkcijom u JS-u. U donjem desnom uglu, kod svakog filma, nalazi se dugme “Remove”. Klikom na njega film se briše iz LocalStorage-a i sklanja iz watchliste. Ukoliko je prazna, ispisuje se poruka.

U gornjem levom uglu nalazi se broj filmova koji se menja dodavanjem ili brisanjem filma.

U gornjem desnom uglu nalazi se lista za sortiranje. Mogu se sortirati isto kao na stranici [index.html](#).

## Film.html

[Home](#) [Movies](#) [Watchlist](#) [Author](#)

InfoFilm

### Parasite

Release Date: 30.5.2019.

Contry: USA

Running Time: 120min

Genre: Comedy, Drama, Thriller

Starring: Kang ho Song, Sun-kyun Lee, Yeo-jeong Jo

Written by: Bong Joon Ho

Directed by: Bong Joon Ho

[Watch trailer](#)

★ 8.6/10

Your rating:



A poor family, the Kims, con their way into becoming the servants of a rich family, the Parks. But their easy life gets complicated when their deception is threatened with exposure.

Postoji jedna strana film.html, na njoj se sadržaj filtrira na osnovu informacija poslatih kroz url adresu. Ovoj strani se može pristupiti klikom na sliku ili naziv filma na početnoj strani kao i u watchlisti.

Sve informacije dohvaćene su iz JSON-a. Za ispis žanrova, pisaca i glumaca korišćena je gore napomenuta funkcija. Takođe postoji funkcija za ispis datuma.

Na ovoj strani korisnik može oceniti film. Ocena koju izabere čuva se u LocalStorage-u i prikazuje mu se i nakon ponovnog učitavanja stranice. On može oceniti film samo jednom, nakon toga polje za ocenu postaje disabled.

## 3. KODOVI

### 3.1. HTML

#### 3.1.1. Index.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>InfoFilm</title>
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <meta name="keywords" content="informative, movie, genre, best, popular">
    <meta name="description" content="Hi this is a an informative website
      about movies."/>
    <meta name="author" content="Aleksandra Markovic"/>
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font
-   awesome/4.7.0/css/font-awesome.min.css" />
    <link rel="shortcut icon" href="images/film-solid.ico" />
    <link href="assets/css/style.css" type="text/css" rel="stylesheet" />
    <link href="assets/css/responsive.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>
    <div id="meni">
      <ul id="meni1">

      </ul>
      <div id="meni2">
        <i class="fa fa-bars"></i>
        <div id="lista">
          <div id="logo2">
            <p><a href="#"><i class="fa fa-film"></i>InfoFilm</a></p>
          </div>
          <ul id="meniLista">

          </ul>
        </div>
      </div>
```



```

        </div>
        <div id="logo">
            <p><a href="#"><i class="fa fa-film"></i>InfoFilm</a></p>
        </div>
    </div>
    <div id="header">
        <div id="slajder">

        </div>
    </div>
    <div id="sredina">
        <div id="filter"><a href="#">Filter</a></div>
        <div id="glavniDeo">
            <div id="sortiranje">
                <a href="#"><i class="fa fa-times"></i></a>
                <div id="search">
                    <h2>Search movies</h2>
                    <input type="search" id="searchMovies" name="search"
                        placeholder="Search" />
                </div>
            <div id="sortiraj">
                <h2>Sort</h2>
                <select id="listaZaSortiranje">
                    <option value="0">Choose...</option>
                    <option value="adoz">Alphabetical</option>
                    <option value="najnovije">Newest</option>
                    <option value="najbolji">Best rated</option>
                    <option value="najpopularnije">Most popular</option>
                </select>
            </div>
            <div id="zanrovi">
                <h2>Choose a genre</h2>
                <ul id="listaZanrova">

                </ul>
            </div>
        </div>
        <div id="filmovi">
            <div class="cleaner"></div>
        </div>
    </div>
    <div id="formaAutor">
        <div id="forma">
            <h2>Send in new movies</h2>
            <form action="" method="">

```

```
<table>
  <tr>
    <th>
      <input type="text" id="firstName" name="firstName"/>
    </th>
  </tr>
  <tr>
    <th>First Name</th>
  </tr>
  <tr>
    <th>
      <input type="text" id="lastName" name="lastName"/>
    </th>
  </tr>
  <tr>
    <th>Last Name</th>
  </tr>
  <tr>
    <th>
      <input type="email" id="email" name="email" />
    </th>
  </tr>
  <tr>
    <th>Email</th>
  </tr>
  <tr>
    <th>
      <input type="email" id="filmForma" name="filmForma"/>
    </th>
  </tr>
  <tr>
    <th>Movie</th>
  </tr>
  <tr>
    <th>
      <input type="button" id="submit" name="submit"
        value="Submit" />
    </th>
  </tr>
</table>
</form>
</div>
<div id="autor2">
  <h2>About author</h2>
```

```
        
        <p>My name is Aleksandra Markovic. I am from Gornji Milanovac
        and I am 20 years old. I study internet technologies at ICT
        college and I am interested in programming and design.</p>
    </div>
</div>
<div id="popup">
    <p id="textModal"></p>
    <input type="button" id="ok" value="OK" />
</div>
<div id="futer">
    <p>&copy; Aleksandra Markovic</p>
    <ul id="futerIkonice">
    </ul>
</div>
</div>
    <script src="assets/js/jquery-3.4.1.min.js"></script>
    <script src="assets/js/main.js" type="text/javascript"></script>
</body>
</html>
```

### 3.1.2.Film.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>InfoFilm | Film</title>
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <meta name="keywords" content="page, movie, one, rate, trailer"/>
    <meta name="description" content="This is a page that shows one movie." />
    <meta name="author" content="Aleksandra Markovic"/>
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css" />
    <link rel="shortcut icon" href="images/film-solid.ico" />
    <link href="assets/css/style.css" type="text/css" rel="stylesheet" />
    <link href="assets/css/responsive.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>
    <div id="meni">
      <ul id="meni1">

      </ul>
      <div id="meni2">
        <i class="fa fa-bars"></i>
        <div id="lista">
          <div id="logo2">
            <p><a href="#"><i class="fa fa-film"></i>InfoFilm</a></p>
          </div>
          <ul id="meniLista">

          </ul>
        </div>
      </div>
      <div id="logo">
        <p><a href="#"><i class="fa fa-film"></i>InfoFilm</a></p>
      </div>
      <div id="movie">

      </div>
      <div id="popup">
        <p id="textModal"></p>
        <input type="button" id="ok" value="OK" />
      </div>
    </div>
  </body>
</html>
```

```

    </div>
    <div id="futer">
        <p>&copy; Aleksandra Markovic</p>
        <ul id="futerIkonic">

            </ul>
    </div>
    <script src="assets/js/jquery-3.4.1.min.js"></script>
    <script src="assets/js/main.js" type="text/javascript"></script>
</body>
</html>

```

### 3.1.3. Watchlist.html

```

<!DOCTYPE html>
<html>
    <head>
        <title>InfoFilm | Watchlist</title>
        <meta name="viewport" content="width=device-width, initial-scale=1.0" />
        <meta name="keywords" content="watchlist, movies, film, add, remove"/>
        <meta name="description" content="Watchlist of movies of your choice."/>
        <meta name="author" content="Aleksandra Marković"/>
        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font
- awesome/4.7.0/css/font-awesome.min.css" />
        <link rel="shortcut icon" href="images/film-solid.ico" />
        <link href="assets/css/style.css" type="text/css" rel="stylesheet" />
        <link href="assets/css/responsive.css" type="text/css" rel="stylesheet"/>
    </head>
    <body>
        <div id="meni">
            <ul id="meni1">

            </ul>
            <div id="meni2">
                <i class="fa fa-bars"></i>
                <div id="lista">
                    <div id="logo2">

```

```

        <p><a href="#"><i class="fa fa-film"></i>InfoFilm</a></p>
    </div>
    <ul id="meniLista">

        </ul>
    </div>
</div>
<div id="logo">
    <p><a href="#"><i class="fa fa-film"></i>InfoFilm</a></p>
</div>
</div>
<div id="drzac">
    <div id="tabela">
        <table>
            <thead>
                <th id="brojFilmova"></th>
                <th>
                    <select id="sortirajWatchlist">
                        <option value="0">Sort</option>
                        <option value="adoz">Alphabetical</option>
                        <option value="najnovije">Newest</option>
                        <option value="najbolji">Best rated</option>
                        <option value="najpopularnije">Most popular</option>
                    </select>
                </th>
            </thead>
            <tbody id="bodi">
            </tbody>
        </table>
    </div>
    <div id="prazno">
        <h1>Your watchlist is empty!</h1>
        <a href="index.html"><i class="fa fa-arrow-left"
            aria-hidden="true"></i>Back to home page</a>
    </div>
</div>
<div id="futer">
    <p>&copy; Aleksandra Markovic</p>
    <ul id="futerIkonice">
    </ul>
</div>
<script src="assets/js/jquery-3.4.1.min.js"></script>
<script src="assets/js/main.js" type="text/javascript"></script>
</body>
</html>

```

## 3.2. CSS

### 3.2.1.Style.css

```
@import url('https://fonts.googleapis.com/css?family=Gentium+Book+Basic&display=swap');

* {
    margin: 0px;
    padding: 0px;
}

html {
    scroll-behavior: smooth;
}

body {
    background-color: #000000;
    font-family: 'Gentium Book Basic';
}

h1, h2, p, span, a {
    color: #ffffff;
}

a{
    text-decoration: none;
}

#header {
    width: 100%;
    min-height: 650px;
    border-bottom: 2px solid #990000;
    display: flex;
    align-items: center;
    justify-content: center;
    margin-top: 50px;
}
```

```
#sredina {
  width: 100%;
  margin-top: 50px;
  position: relative;
}

.film {
  width: 17.4%;
  min-height: 630px;
  background-color: #1a1a1a;
  display: flex;
  flex-direction: column;
  float: left;
  margin-left: 2.1%;
  margin-bottom: 30px;
  position: relative;
}

.informacije {
  margin-top: 15px;
  margin-left: 3%;
  width: 90%;
  min-height: auto;
}

.informacije h3{
  font-size: 26px;
}

.informacije a h3:hover, .infoWatchlist a h1:hover{
  color: #990000;
}

.informacije p {
  font-size: 20px;
  margin-top: 5px;
}

.informacije p:nth-child(2){
  font-size: 18px;
}
```



```
.informacije p:nth-child(3){
    margin-bottom: 20px;
    margin-top: 18px;
}

.watchlist {
    margin-left: 37%;
    position: absolute;
    bottom: 2%;
    right: 3%;
    background-color: #ffff;
    border: none;
    width: 42%;
    padding: 2%;
}

.watchlist:hover, #submit:hover {
    background-color: #990000!important;
}

.cleaner {
    clear: both;
}

#meni{
    width: 100%;
    height: 60px;
    background-color: #1a1a1a;
    display: flex;
    justify-content: space-between;
    position: fixed;
    top: 0;
    left: 0;
    border-bottom: 1px solid #000000;
    z-index: 2;
}

#meni2 {
    display: none;
}
```

```
#logo {
    width: 40%;
    text-align: right; }
#logo p {
    font-size: 35px;
    margin-top: 10px;
    margin-right: 8%;
}

#logo i, #logo2 i {
    margin-right: 2%;
    font-size: 30px;
}

#meni ul {
    width: 30%;
    margin: 1%;
    display: flex;
    justify-content: space-around;
}

#meni ul li {
    display: inline;
}

#meni ul li a {
    color: #ffff;
    font-size: 1.8vw;
}

#meni ul li a:hover, #zanrovi ul li a:hover {
    text-decoration: underline;
}

#slajder {
    width: 90%;
}

.slika {
    width: 65%;
}

.opisFilma {
    width: 30%;
    position: relative;
```

```
}

.opisFilma h1{
    font-size: 42px;
    margin-bottom: 40px;
    text-decoration: underline;
    text-decoration-color: #990000;
}

.opisFilma p {
    font-size: 22px;
    margin-bottom: 35px;
}

img {
    width: 100%;
}

.seeMore{
    position: absolute;
    bottom: 0;
    padding: 2%;
    background-color: #990000;
    border: none;
    width: 40%;
}

.seeMore:hover{
    background-color: #1a1a1a;
    color: #ffffff;
}

.slajderFilm{
    width: 100%;
    display: flex;
    justify-content: space-around;
}

#glavniDeo {
    width: 100%;
}

#sortiranje {
    width: 30%;
```

```
height: fit-content;
background-color: #1a1a1a;
border: 2px solid #990000;
border-left: none;
margin-left: -100%;
position: absolute;
z-index: 1;
}

.fa-times {
float: right;
margin-top: 5%;
margin-right: 5%;
color: #ffff;
font-size: 25px;
}

#filmovi {
width: 100%;
margin-top: 50px;
}

#filter {
width: 10%;
margin-bottom: 50px;
padding: 1%;
background-color: #990000;
}

#filter a {
font-size: 20px;
}

span {
position: absolute;
bottom: 2%;
left: 3%;
font-size: 19px;
}

#sortiranje h2 {
font-size: 30px;
text-align: center;
```

```
        margin-top: 40px; }
#searchMovies, #listaZaSortiranje {
    width: 85%;
    padding: 1%;
    margin-top: 20px;
}

#zanrovi, #sortiraj, #search{
    width: 100%;
    text-align: center;
    margin: 0px auto;
    margin-top: 60px;
}

#zanrovi {
    margin-bottom: 80px;
}

#zanrovi {
    text-align: unset;
}

#listaZanrova{
    list-style-type: none;
    padding: 3%;
    margin-left: 37%;
}

#zanrovi ul li{
    color: #ffff;
    font-size: 25px;
}

.slikaFilma {
    width: 100%;
    min-height: 150px;
}

.slikaFilma img:hover, .slikaWatchlist img:hover {
    opacity: 0.7;
}

.slikaFilma img {
    height: 340px; }
.slikaWatchlist img {
```

```
    height: 270px;
}

#movie {
    width: 90%;
    min-height: 75vh;
    display: flex;
    flex-direction: row;
    justify-content: space-evenly;
    margin: 140px auto;
}

#image {
    width: 50%;
    margin-left: 3%;
}

#image img {
    height: 370px;
}

#image p {
    font-size: 25px;
    margin-top: 35px;
}

#content {
    width: 30%;
    font-size: 23px;
    position: relative;
}

#content h1 {
    font-size: 45px;
    margin-bottom: 25px;
}

#content p {
    margin-top: 20px;
}

#content a {
    color: #990000;
}
```

```
#content p:first-child{
    margin-top: 17%;
}

.fa-star {
    color: yellow;
    margin-right: 2px;
}

#tabela {
    width: 80%;
    margin: 120px auto;
}

table {
    width: 100%;
    background-color: #ffff;
    color: #000;
    border-collapse: collapse;
}

table, tr, td {
    border: 1px solid black;
    padding: 1%;
}

th {
    padding: 1%;
    font-size: 20px;
}

#sortirajWatchlist {
    width: 70%;
    padding: 1%;
}

td {
    position: relative;
}

th:first-child {
    float: left;
    margin-top: 5px;
}
```

```
.filmWatchlist {
  width: 70%;
  display: flex;
  justify-content: space-around;
}

.infoWatchlist {
  width: 73%;
}

.infoWatchlist h1, .infoWatchlist p {
  color: #000000;
  margin-bottom: 5px;
}

.infoWatchlist p:nth-child(3){
  margin-top: 25px;
  margin-bottom: 25px;
}

.infoWatchlist h1 {
  font-size: 30px;
}

.infoWatchlist p {
  font-size: 20px;
}

.slikaWatchlist {
  width: 20%;
}

.slikaWatchlist img {
  width: 100%;
}

.remove {
  position: absolute;
  right: 3%;
  bottom: 5%;
  width: 18%;
  padding: 0.5%;
}
```



```
#prazno {
  width: 100%;
  min-height: 500px;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
}

#prazno h1 {
  font-size: 60px;
}

#prazno a {
  color: #ffffff;
  font-size: 30px;
  margin-top: 60px;
  text-decoration: underline;
}

#prazno i {
  margin-right: 10px;
}

#futer {
  width: 100%;
  display: flex;
  justify-content: space-between;
  align-items: center;
  color: #ffffff;
  font-size: 20px;
  background-color: #1a1a1a;
  height: 70px;
  margin-top: 50px;
}

#futer ul {
  list-style-type: none;
  margin-right: 3%;
}

#futer ul li {
```

```
    margin-right: 15px;
    display: inline;
}

#futer p {
    margin-left: 3%;
}

#forma {
    width: 90%;
    margin: 100px auto;
}

#forma h2, #autor2 h2 {
    font-size: 40px;
    text-align: center;
    margin-bottom: 20px;
}

#forma table {
    width: 100%;
    text-align: center;
}

#drzac {
    width: 100%;
    min-height: 85vh;
    display: flex;
    align-items: center;
}

#popup {
    display: none;
    position: fixed;
    z-index: 1;
    left: 30%;
    top: 40%;
    width: 40%;
    height: 150px;
    background-color: #ffff;
    text-align: center;
}
```

```
#textModal {
  color: black;
  font-size: 30px;
  margin-top: 5%;
}

#ok {
  position: absolute;
  bottom: 5%;
  right: 5%;
  width: 10%;
  padding: 1%;
}

#autor2{
  width: 45%;
  text-align: center;
  margin: 0px auto;
}

#autor2 h2{
  margin-top: 15%;
}

#autor2 img {
  width: 50%;
  margin-top: 7%;
}

#autor2 p {
  margin-top: 7%;
  font-size: 22px;
}

#formaAutor {
  width: 100%;
  display: flex;
  justify-content: space-evenly;
}

#forma {
  width: 45%; }
#forma table {
  margin: 20px auto;
```

```
background-color: #000000;
color: #ffff;
}

#forma table tr {
border: none;
text-align: center;
}

#forma table tr th, #forma table tr td {
width: 100%;
padding: 0px;
margin-bottom: 10px;
font-size: 25px;
}

#forma input{
width: 80%;
text-align: center;
padding: 0.7%;
background-color:#0000;
color: #ffff;
border: none;
border-bottom: 2px solid #ffff;
}

#submit {
width: 25%!important;
border: 1px solid #000!important;
padding: 0.5%!important;
margin-bottom: 10px;
background-color: #ffff!important;
color: #000!important;
}

.crveno {
border-bottom: 2px solid red!important;
}

#userRating {
width: 70%;
display: flex;
flex-direction: row;
}
```

```
#ocenaKorisnika {  
    margin-left: 10%;  
    height: 35px;  
    width: 40%;  
    margin-top: 15%;  
}
```

### 3.2.2. Responsive.css

```
* {  
    margin: 0px;  
    padding: 0px;  
}  
  
@media screen and (max-width:1024px){  
    #image {  
        width: 70%;  
    }  
  
    #userRating {  
        margin: 0px auto;  
        justify-content: center;  
    }  
  
    #movie {  
        flex-direction: column-reverse;  
    }  
  
    #content, #image {  
        width: 93%;  
        margin: 0px auto;  
    }  
  
    #image img{  
        height: 420px;  
    }  
}
```

```
#content {
    margin-top: 100px;
    text-align: center;
}

.slika {
    margin-top: 5%;
}

}

@media screen and (max-width:992px){
    .film {
        min-height: 650px;
    }

    .slikaFilma {
        min-height: 100px;
    }

    .filmWatchlist {
        width: 100%;
    }

    .slikaWatchlist {
        width: 40%;
    }

    .infoWatchlist {
        width: 55%;
    }

    .infoWatchlist h1, .infoWatchlist p {
        margin-bottom: 20px;
    }

    .remove {
        width: 20%;
    }

    .slajderFilm {
        flex-direction: column;
        height: inherit;
    }
}
```

```

#content {
    text-align: left;
    margin-top: 40px;
}

#image p {
    display: none;
}

.slika {
    width: 100%;
    margin-top: 50px;
}

.opisFilma {
    width: 100%;
    margin-top: 50px;
}

.opisFilma p:nth-child(3) {
    margin-bottom: 120px;
}

.seeMore {
    right: 0;
    bottom: 5%;
    width: 23%;
}

#userRating {
    margin: 0px;
    justify-content: flex-start;
}
}

@media screen and (max-width:768px){
    #sredina {
        margin-top: 10px;
    }

    #glavniDeo {
        flex-direction: column;
    }
}

```

```
#filmovi {
    width: 100%;
}

.film {
    width: 45%;
    height: 700px;
    margin-left: 3.3%;
}

#sortiranje {
    width: 100%;
    margin-bottom: 90px;
    border-right: none;
    border-bottom: 2px solid #990000;
    border-top: 2px solid #990000;
    padding-top: 2%;
    padding-bottom: 2%;
}

#filter {
    width: 20%;
    margin-top: 40px;
    margin-bottom: 0px;
}

#zanrovi ul {
    margin-left: 40%;
}

#autor {
    display: none;
}

.slikaWatchlist {
    display: none;
}

.infoWatchlist {
    width: 90%;
    margin-top: 10px;
}
```



```
.infoWatchlist p:nth-child(4) {  
    margin-bottom: 100px;  
}
```

```
.remove {  
    width: 20%;  
}
```

```
#drzac {  
    min-height: 84vh;  
}
```

```
#popup {  
    width: 90%;  
    min-height: 200px;  
    left: 5%;  
}
```

```
.slikaFilma img {  
    height: 420px;  
}
```

```
#formaAutor {  
    justify-content: center;  
    flex-direction: column;  
}
```

```
#autor2 {  
    display: block;  
    width: 90%;  
    margin: 0px auto;  
}
```

```
#autor2 h2, #forma h2 {  
    font-size: 45px;  
    text-align: center;  
}
```

```
#autor2 p {  
    font-size: 30px;  
    margin-bottom: 30px;  
}
```

```
#autor2 img, #autor2 p {
    margin-top: 20px;
    text-align: center;
}

#meni ul{
    display: none;
}

#logo {
    display: none;
}

#meni2 {
    display: block;
    width: 100%;
}

.fa-bars {
    color: #fff;
    font-size: 25px;
    margin-left: 5%;
    margin-top: 3%;
}

#lista {
    width: 100%;
    height: 100px;
    background-color: #1a1a1a;
    height: 100vh;
    z-index: 1;
    padding-top: 10%;
}

#meni2 ul {
    width: 50%;
    display: flex;
    flex-direction: column;
    margin: 20px auto;
    text-align: center;
}

#lista ul li {
    margin-top: 10px; }
```

```
#lista ul li a {
    color: #fff;
    font-size: 50px;
}

#logo2 {
    width: 80%;
    margin: 0px auto;
    text-align: center;
}

#logo2 p {
    font-size: 60px;
}

#logo2 i {
    margin-right: 5%;
}

#userRating p, #ocenaKorisnika {
    margin-top: 20px!important;
}

#ocenaKorisnika {
    margin-left: 5%;
}

.fa-times {
    margin-top: 2%;
}

#forma {
    width: 90%;
    margin-bottom: 20px;
}

}

@media screen and (max-width:480px){
    .film {
        width: 90%;
        margin-left: 0%;
        margin: 5%;
    }

    #zanrovi ul {
```

```
        margin-left: 30%;
    }

    .slikaFilma img {
        height: 480px;
    }

    .filmWatchlist {
        flex-direction: column;
        width: 100%;
    }

    .slikaWatchlist {
        display: block;
    }

    .slikaWatchlist img{
        height: 400px;
    }

    .slikaWatchlist, .infoWatchlist {
        width: 90%;
        margin: 15px auto;
    }

    .infoWatchlist p:nth-child(4){
        margin-bottom: 30px;
    }

    .remove {
        right: 3%;
        bottom: 1%;
    }

    #tabela {
        width: 90%;
    }

    #prazno h1 {
        font-size: 40px;
        text-align: center;
    }

    #popup {
        min-height: 100px;
```

```
}

#textModal {
    font-size: 20px;
}

#content h1 {
    font-size: 30px;
}

#content p {
    font-size: 20px;
}

#autor2 h2, #forma h2 {
    font-size: 30px;
    text-align: center;
}

#autor2 p {
    font-size: 20px;
    margin-bottom: 30px;
}

#forma table tr th, #forma table tr td {
    font-size: 20px;
}

#logo p{
    font-size: 30px;
}

#image img {
    height: 210px;
}

#meni {
    height: 45px;
    border-bottom: 1px solid #000000;
}

#movie {
    margin-top: 100px;
```

```

}

#futer p, #futer i{
    font-size: 17px;
}

#logo2 p {
    font-size: 35px;
}

#lista ul li a{
    font-size: 25px;
}
}

```

### 3.3. JSON

#### 3.3.1. Menu.json

```

[
  {
    "tekst": "Home",
    "putanja": "index.html"
  },
  {
    "tekst": "Movies",
    "putanja": "index.html#filmovi"
  },
  {
    "tekst": "Watchlist",
    "putanja": "watchlist.html"
  },
  {
    "tekst": "Author",
    "putanja": "index.html#autor2"
  }
]

```

### 3.3.2.Filmovi.json

```
[
  {
    "id": 1,
    "slikaVelika": "images/sonic.jpg",
    "slikaMala": "images/sonicMala.jpg",
    "naziv": "Sonic The Hedgehog",
    "opis": "After discovering a small, blue, fast hedgehog, a small-town police officer must help it defeat an evil genius who wants to do experiments on it.",
    "ekipa": {
      "direktor": "Jeff Fowler",
      "pisci": [
        "Patrick Casey",
        "Josh Miller"
      ],
      "glumci": [
        "Ben Schwartz",
        "James Marsden",
        "Jim Carrey"
      ]
    },
    "datum": "02-14-2019",
    "zanrovi": [
      {
        "id": 1,
        "nazivZanra": "Action"
      },
      {
        "id": 2,
        "nazivZanra": "Adventure"
      },
      {
        "id": 3,
        "nazivZanra": "Comedy"
      }
    ],
    "ocena": 6.9,
    "slajder": true,
    "popularno": 7,
    "trajanje": 120,
  }
]
```

```
    "zemlja": "USA",
    "trailer": "https://www.youtube.com/watch?v=szby7ZHLnKA"
  },
  {
    "id": 2,
    "slikaVelika": "images/callofTheWildVelika2.png",
    "slikaMala": "images/callofTheWildMala.jpg",
    "naziv": "Call Of The Wild",
    "opis": "The Call of the Wild is a 2020 American adventure film based on the Jack London 1903 novel. A sled dog struggles for survival in the wilds of the Yukon.",
    "ekipa": {
      "direktor": "Chris Sanders",
      "pisci": [
        "Michael Green",
        "Jack London"
      ],
      "glumci": [
        "Harrison Ford",
        "Omar Sy",
        "Cara Gee"
      ]
    },
    "datum": "02-21-2020",
    "zanrovi": [
      {
        "id": 2,
        "nazivZanra": "Adventure"
      },
      {
        "id": 4,
        "nazivZanra": "Drama"
      },
      {
        "id": 5,
        "nazivZanra": "Family"
      }
    ],
    "ocena": 6.8,
    "slajder": true,
    "popularno": 19,
    "trajanje": 120,
    "zemlja": "USA",
    "trailer": "https://www.youtube.com/watch?v=h1LG9So2ZBk"
  },
}
```



```

{
  "id": 3,
  "slikaVelika": "images/parasiteVelika.jpg",
  "slikaMala": "images/slika.jpg",
  "naziv": "Parasite",
  "opis": "A poor family, the Kims, con their way into becoming the servant
s of a rich family, the Parks. But their easy life gets complicated when their de
ception is threatened with exposure.",
  "ekipa": {
    "direktor": "Bong Joon Ho",
    "pisci": [
      "Bong Joon Ho"
    ],
    "glumci": [
      "Kang-ho Song",
      "Sun-kyun Lee",
      "Yeo-jeong Jo"
    ]
  },
  "datum": "05-30-2019",
  "zanrovi": [
    {
      "id": 3,
      "nazivZanra": "Comedy"
    },
    {
      "id": 4,
      "nazivZanra": "Drama"
    },
    {
      "id": 6,
      "nazivZanra": "Thriller"
    }
  ],
  "ocena": 8.6,
  "slajder": true,
  "popularno": 1,
  "trajanje": 120,
  "zemlja": "USA",
  "trailer": "https://www.youtube.com/watch?v=5xH0HfJHsaY"
},
{
  "id": 4,
  "slikaVelika": "images/1917Velika.jpg",
  "slikaMala": "images/1917Mala.jpg",

```

```
    "naziv": "1917",
    "opis": "April 6th, 1917. As a regiment assembles to wage war deep in ene
my territory, two soldiers are assigned to race against time and deliver a messag
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wishes come true.",
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        "direktor": "Curtis Hanson",
        "pisci": [
            "Scott Silver"
        ],
        "glumci": [
            "Eminem",
            "Brittany Murphy",
            "Anthony Mackie"
        ]
    },
    "datum": "11-08-2002",
    "zanrovi": [
        {
            "id": 4,
            "nazivZanra": "Drama"
        },
        {
            "id": 14,
            "nazivZanra": "Music"
        }
    ],
    "ocena": 7.1,
    "slajder": false,
    "popularno": 12,
    "trajanje": 110,
    "zemlja": "USA",
    "trailer": "https://www.youtube.com/watch?v=axGVr-fwm9L4"
},
{
    "id": 25,
    "slikaVelika": "images/placeVelika.jpg",
    "slikaMala": "images/placeMala.png",
    "naziv": "A Quiet Place",
    "opis": "In a post-
apocalyptic world, a family is forced to live in silence while hiding from monste
rs with ultra-sensitive hearing.",
    "ekipa": {
        "direktor": "John Krasinski",
        "pisci": [
            "Bryan Woods",

```

```

        "Scott Beck"
    ],
    "glumci": [
        "Emily Blunt",
        "John Krasinski",
        "Milicent Simmonds"
    ]
},
"datum": "04-12-2018",
"zanrovi": [
    {
        "id": 4,
        "nazivZanra": "Drama"
    },
    {
        "id": 15,
        "nazivZanra": "Horror"
    },
    {
        "id": 11,
        "nazivZanra": "Sci-Fi"
    }
],
"ocena": 7.5,
"slajder": false,
"popularno": 8,
"trajanje": 90,
"zemlja": "USA",
"trailer": "https://www.youtube.com/watch?v=p9wE8dyzEJE"
},
{
    "id": 26,
    "slikaVelika": "images/listaVelika.jpg",
    "slikaMala": "images/listaMala.jpg",
    "naziv": "Schindler's List",
    "opis": "In German-occupied Poland during World War II, industrialist Oskar Schindler gradually becomes concerned for his Jewish workforce after witnessing their persecution by the Nazis.",
    "ekipa": {
        "direktor": "Steven Spielberg",
        "pisci": [
            "Thomas Keneally",
            "Steven Zaillian"
        ]
    }
],

```

```
        "glumci": [
            "Liam Neeson",
            "Ralph Fiennes",
            "Ben Kingsley"
        ]
    },
    "datum": "02-04-1994",
    "zanrovi": [
        {
            "id": 9,
            "nazivZanra": "Biography"
        },
        {
            "id": 4,
            "nazivZanra": "Drama"
        },
        {
            "id": 7,
            "nazivZanra": "War"
        }
    ],
    "ocena": 8.9,
    "slajder": false,
    "popularno": 15,
    "trajanje": 195,
    "zemlja": "USA",
    "trailer": "https://www.youtube.com/watch?v=gG22XNhtnoY"
},
{
    "id": 27,
    "slikaVelika": "images/fellasVelika.jpg",
    "slikaMala": "images/fellasMala.jpg",
    "naziv": "Goodfellas",
    "opis": "The story of Henry Hill and his life in the mob, covering his relationship with his wife Karen Hill and his mob partners Jimmy Conway and Tommy DeVito in the Italian-American crime syndicate.",
    "ekipa": {
        "direktor": "Martin Scorsese",
        "pisci": [
            "Nicholas Pileggi"
        ],
        "glumci": [
            "Robert De Niro",
            "Ray Liotta",
            "Joe Pesci"
        ]
    }
}
```

```

    ],
    "datum": "09-21-1990",
    "zanrovi": [
        {
            "id": 9,
            "nazivZanra": "Biography"
        },
        {
            "id": 8,
            "nazivZanra": "Crime"
        },
        {
            "id": 4,
            "nazivZanra": "Drama"
        }
    ],
    "ocena": 8.7,
    "slajder": false,
    "popularno": 25,
    "trajanje": 146,
    "zemlja": "USA",
    "trailer": "https://www.youtube.com/watch?v=qo5jJpHtI1Y"
},
{
    "id": 28,
    "slikaVelika": "images/comptonVelika.jpg",
    "slikaMala": "images/comptonMala.jpg",
    "naziv": "Straight Outta Compton",
    "opis": "The rap group NWA emerges from the mean streets of Compton in
Los Angeles, California, in the mid
1980s and revolutionizes Hip Hop culture with their music and tales about life i
n the hood.",
    "ekipa": {
        "direktor": "F. Gary Gray",
        "pisci": [
            "Johnathan Herman",
            "Andrea Berloff"
        ],
        "glumci": [
            "O'Shea Jackson Jr.",
            "Corey Hawkins",
            "Jason Mitchell"
        ]
    }
},

```

```
"datum": "08-14-2015",
"zanrovi": [
  {
    "id": 9,
    "nazivZanra": "Biography"
  },
  {
    "id": 4,
    "nazivZanra": "Drama"
  },
  {
    "id": 14,
    "nazivZanra": "Music"
  }
],
"ocena": 7.9,
"slajder": false,
"popularno": 20,
"trajanje": 147,
"zemlja": "USA",
"trailer": "https://www.youtube.com/watch?v=oyoew4T74_w"
},
{
  "id": 29,
  "slikaVelika": "images/paranormalVelika.jpeg",
  "slikaMala": "images/paranormalMala.jpg",
  "naziv": "Paranormal Activity",
  "opis": "After moving into a suburban home, a couple becomes increasingly
disturbed by a nightly demonic presence..",
  "ekipa": {
    "direktor": "Oren Peli",
    "pisci": [
      "Oren Peli"
    ],
    "glumci": [
      "Katie Featherston",
      "Micah Sloat",
      "Mark Fredrichs"
    ]
  },
  "datum": "10-16-2009",
  "zanrovi": [
    {
      "id": 15,
      "nazivZanra": "Horror"
    }
  ]
}
```



```
    },
    {
        "id": 13,
        "nazivZanra": "Mystery"
    }, {
        "id": 6,
        "nazivZanra": "Thriller"
    }
],
"ocena": 6.3,
"slajder": false,
"popularno": 26,
"trajanje": 86,
"zemlja": "USA",
"trailer": "https://www.youtube.com/watch?v=F_UxLEqd074"
},
{
    "id": 30,
    "slikaVelika": "images/notebookVelika.jpg",
    "slikaMala": "images/notebookMala.jpg",
    "naziv": "The Notebook",
    "opis": "A poor yet passionate young man falls in love with a rich young woman, giving her a sense of freedom, but they are soon separated because of their social differences.",
    "ekipa": {
        "direktor": "Nick Cassavetes",
        "pisci": [
            "Jeremy Leven",
            "Jan Sardi"
        ],
        "glumci": [
            "Gena Rowlands",
            "James Garner",
            "Rachel McAdams"
        ]
    },
    "datum": "06-25-2004",
    "zanrovi": [
        {
            "id": 4,
            "nazivZanra": "Drama"
        },
        {
            "id": 12,
            "nazivZanra": "Romance"
        }
    ]
}
```

```

    }
  ],
  "ocena": 7.8,
  "slajder": false,
  "popularno": 16,
  "trajanje": 123,
  "zemlja": "USA",
  "trailer": "https://www.youtube.com/watch?v=FC6biTjEyZw"
}
]

```

### 3.3.3. ikonice.json

```

[
  {
    "putanja": "https://www.facebook.com/beka.markovic99",
    "ikonica": "fa fa-facebook"
  },
  {
    "putanja": "https://www.instagram.com/bekamarkoviic",
    "ikonica": "fa fa-instagram"
  },
  {
    "putanja": "https://twitter.com/bekaa_markovic",
    "ikonica": "fa fa-twitter"
  },
  {
    "putanja": "sitemap.xml",
    "ikonica": "fa fa-sitemap"
  },
  {
    "putanja": "documentation.pdf",
    "ikonica": "fa fa-file-pdf-o"
  }
]

```

### 3.3.4.Zanrovi.json

```
[
  {
    "id": 1,
    "naziv": "Action"
  },
  {
    "id": 2,
    "naziv": "Adventure"
  },
  {
    "id": 3,
    "naziv": "Comedy"
  },
  {
    "id": 4,
    "naziv": "Drama"
  },
  {
    "id": 5,
    "naziv": "Family"
  },
  {
    "id": 6,
    "naziv": "Thriller"
  },
  {
    "id": 7,
    "naziv": "War"
  },
  {
    "id": 8,
    "naziv": "Crime"
  },
  {
    "id": 9,
    "naziv": "Biography"
  },
  {
    "id": 10,
    "naziv": "Animation"
  },
  {
```

```

        "id": 11,
        "naziv": "Sci-fi"
    },
    {
        "id": 12,
        "naziv": "Romance"
    },
    {
        "id": 13,
        "naziv": "Mystery"
    },
    {
        "id": 14,
        "naziv": "Music"
    },
    {
        "id": 15,
        "naziv": "Horror"
    }
]

```

## 3.4. JAVASCRIPT

### 3.4.1. Main.js

```

$(document).ready(function(){

    if( window.location.href == "https://bekamarkovic.github.io/infofilm/" ||
    window.location.href == "https://bekamarkovic.github.io/infofilm/index.html" ||
    window.location.href == "https://bekamarkovic.github.io/infofilm/index.html#filmo
vi" || window.location.href == "https://bekamarkovic.github.io/infofilm/index.html
#autor2"){

```

```

    ajaxFilmovi(
        function(filmovi){
            ispisiSlajderFilmove(filmovi);
            ispisFilmove(filmovi);
        }
    )

$.ajax({
    url: "data/zanrovi.json",
    method: "get",
    type: "json",
    success: function(zanrovi){
        ispisiZanrove(zanrovi);
    },
    error: function(xhr, err, status){
        console.log(status);
    }
})

slajder();

document.getElementById("searchMovies").addEventListener("keyup", pretraga);
document.getElementById("listaZaSortiranje").addEventListener("change",
sortiraj);
document.getElementById("ok").addEventListener("click", function(){
    document.getElementById("popup").style.display = "none";
})

$("#forma form table tr th:even").css("margin-top", "35px");

document.getElementById("submit").addEventListener("click", proveraj);

$("#filter").click(function(e){
    e.preventDefault();
    var margina = $("#sortiranje").css("marginLeft");
    margina = parseInt(margina);
    if(margina == 0){
        $("#sortiranje").animate({
            marginLeft: "-100%"
        }, 400)
    }
})

```

```

    }
    else {
        $("#sortiranje").animate({
            marginLeft: "0%"
        }, 400)
    }
})

$(".fa-times").click(function(e){
    e.preventDefault();
    $("#sortiranje").animate({
        marginLeft: "-100%"
    }, 400)
})
}

$.ajax({
    url: "data/ikonice.json",
    method: "GET",
    type: "json",
    success: function(data){
        futer(document.getElementById("futerIkonice"), data);
    },
    error: function(err){
        console.error(err);
    }
})

$.ajax({
    url: "data/menu.json",
    method: "GET",
    type: "json",
    success: function(data){
        meni(document.getElementById("meni1"), data);
        meni(document.getElementById("meniLista"), data);
    },
    error: function(err){
        console.error(err);
    }
})

$("#lista").hide();
$(".fa-bars").click(function(){
    $('#lista').slideToggle();

```

```

    })
    $(document).on('click', '.lielement', function(){
        $('#lista').slideToggle();
    });

    //----- FILM -----
    for(let i=0; i<=30; i++){
        if(window.location.href == `https://bekamarkovic.github.io/infofilm/film.html?id=${i}`){
            filtrirajFilm();

            document.getElementById("ok").addEventListener("click", function(){
                document.getElementById("popup").style.display = "none";
                document.getElementById("ocenaKorisnika").disabled = true;
            })
        }
    }

    //----- WATCHLIST -----
    if(window.location.href == "https://bekamarkovic.github.io/infofilm/watchlist.html"){
        $("#prazno").hide();
        var filmovi = JSON.parse(localStorage.getItem("filmovi"));

        if(!filmovi || filmovi.length == 0){
            $("#tabela").hide();
            $("#prazno").show();
        }
        else {
            prikaziFilmove();
        }
    }
})

function ajaxFilmovi(success){
    $.ajax({
        url: "data/filmovi.json",
        method: "GET",
        success: success
    });
}

```

```

function meni(x, data){
    let ispis = "";

    data.forEach(el => {
        ispis += `<li class="lielement"><a href="${el.putanja}">${el.tekst}</a></li>`;
    })

    x.innerHTML = ispis;
}

function futer(x, data){
    let ispis = "";

    data.forEach(el => {
        ispis += `<li><a href="${el.putanja}" target="_blank"><i class="${el.ikon
ica}" aria-hidden="true"></i></a></li>`;
    })

    x.innerHTML = ispis;
}

function slajder(){
    var trenutni = $('#slajder .aktivan');
    var sledeci = trenutni.next().length ? trenutni.next() : trenutni.parent().
children(':first');

    trenutni.hide().removeClass('aktivan');
    sledeci.fadeIn(3000).addClass('aktivan');

    setTimeout(slajder, 10000);
}

function provera(){
    var ime, prezime, noviFilm, email;
    var ispravno = true;
    ime = document.getElementById("firstName").value;
    prezime = document.getElementById("lastName").value;
    noviFilm = document.getElementById("filmForma").value;
    email = document.getElementById("email").value;

    var reIme, rePrezime, reEmail;
    reIme = /^[A-Z][a-z]{1,13}$/;

```



```
rePrezime = /^[A-Z][a-z]{1,30}\s?)+$/;
reEmail = /^[a-z][a-z\d\_\. \- ]+@[a-z\d](\.[a-z]{2,4})+$/;

if(ime == ""){
    document.getElementById("firstName").classList.add("crveno");
    ispravno = false;
}
else if(!reIme.test(ime)){
    document.getElementById("firstName").classList.add("crveno");
    ispravno = false;
}
else {
    document.getElementById("firstName").classList.remove("crveno");
}

if(prezime == ""){
    document.getElementById("lastName").classList.add("crveno");
    ispravno = false;
}
else if(!rePrezime.test(prezime)){
    document.getElementById("lastName").classList.add("crveno");
    ispravno = false;
}
else {
    document.getElementById("lastName").classList.remove("crveno");
}

if(email == ""){
    document.getElementById("email").classList.add("crveno");
    ispravno = false;
}
else if(!reEmail.test(email)){
    document.getElementById("email").classList.add("crveno");
    ispravno = false;
}
else {
    document.getElementById("email").classList.remove("crveno");
}

if(noviFilm == ""){
    document.getElementById("filmForma").classList.add("crveno");
    ispravno = false;
}
else {
    document.getElementById("filmForma").classList.remove("crveno");
}
```

```

    }

    if(ispravno){
        document.getElementById("textModal").innerHTML = "Data successffuly sent!";
        document.getElementById("popup").style.display = "block";
        var polja = document.querySelectorAll("#forma")[0].querySelectorAll("input");
        for(var i=0; i<polja.length-1; i++){
            polja[i].value = "";
        }
    }
}

function ispisiSlajderFilmove(filmovi){
    let ispis = "";
    filmovi.forEach(element => {
        if(element.slajder){
            ispis += `<div class="slajderFilm" style="dispay:none;">
                <div class="slika">
                    
                </div>
                <div class="opisFilma">
                    <h1>${element.naziv}</h1>
                    <p>${element.opis}</p>
                    <p> Director: ${element.ekipa.direktor} </br>
                        Writers: ${obrada(element.ekipa.pisci)}</br>
                        Stars: ${obrada(element.ekipa.glumci)}
                    </p>
                    <a href="film.html?id=${element.id}"><input type="button" class="
seeMore" name="seeMore" value="See more" /></a>
                </div>
            </div>`;
        }
    });

    document.getElementById("slajder").innerHTML = ispis;

    $(".slajderFilm").first().addClass("aktivan");
    $(".slajderFilm").hide();
    $(".aktivan").show();
}

function obrada(data){
    let ispis = "";
    data.forEach((element, i) => {

```

```

    if(typeof element == "object"){
        i == 0 ? ispis += element.nazivZanra : ispis += ", " + element.nazivZanra;
    }
    else {
        i == 0 ? ispis += element : ispis += ", " + element;
    }
})

return ispis;
}

function ispisFilmove(data){
    let ispis = "";
    data.forEach(element => {
        var glumci = [];
        glumci = element.ekipa.glumci;
        ispis += `
```

```

var filmovi = JSON.parse(localStorage.getItem("filmovi"));

if(filmovi){
    if(vecDodato()){
        document.getElementById("textModal").innerHTML = "This movie is  
already in your watchlist!";
        document.getElementById("popup").style.display = "block";
    }
    else {
        var filmovi = JSON.parse(localStorage.getItem("filmovi"));
        filmovi.push({
            id : id
        });
        localStorage.setItem("filmovi", JSON.stringify(filmovi));
        document.getElementById("textModal").innerHTML = "Movie successfully  
added to your watchlist!";
        document.getElementById("popup").style.display = "block";
    }
}
else {
    var filmovi = [];
    filmovi[0] = {
        id : id
    };
    localStorage.setItem("filmovi", JSON.stringify(filmovi));
    document.getElementById("textModal").innerHTML = "Movie successfully  
added to your watchlist!";
    document.getElementById("popup").style.display = "block";
}

function vecDodato(){
    return filmovi.filter(f => f.id == id).length;
}

}

function ispisiZanrove(zanrovi){
    let ispisi = "";

    zanrovi.sort((a, b) => {
        if(a.naziv == b.naziv)
            return 0
        return a .naziv > b.naziv ? 1 : -1;
    });

```

```

    })

    zanrovi.forEach(z => {
        ispis += `<li><input type="checkbox" value="${z.id}" name="zanrovi"/> ${z
.naziv}</li>`;
    })

    document.getElementById("listaZanrova").innerHTML = ispis;
    $("#listaZanrova li input").change(filtrirajPoZanru);
}

var nizIzabranih = [];
var nizFiltriranih = [];

function filtrirajPoZanru(){
    var id = this.value;
    if(!nizIzabranih.includes(id)){
        nizIzabranih.push(id);
    }
    else {
        const odcekirano = nizIzabranih.filter(el => el !== id)
        nizIzabranih = odcekirano;
    }

    ajaxFilmovi(
        function(filmovi){
            if(nizIzabranih.length !== 0){
                const filtrirano = filmovi.filter(f=>{
                    return f.zanrovi.some(zanr => {
                        for (let i of nizIzabranih){
                            if(zanr.id===i){
                                return true;
                            }
                        }
                    })
                })
            }
            ispisFilmove(filtrirano);
            nizFiltriranih.push(filtrirano);
        }
        else {
            ispisFilmove(filmovi);

```

```

    }
  }
)
}

function pretraga(){
  const unos = this.value;

  ajaxFilmovi(
    function(filmovi){
      const filtrirano = filmovi.filter(el => {
        if(el.naziv.toLowerCase().indexOf(unos.toLowerCase()) != -1){
          return true;
        }
        for(let i=0; i<el.ekipa.glumci.length; i++){
          if(el.ekipa.glumci[i].toLowerCase().indexOf(unos.toLowerCase()) != -1){
            return true;
          }
        }
      })

      ispisFilmove(filtrirano);
    }
  )
}

function sortiraj() {
  const izabrano = this.value;

  ajaxFilmovi(
    function(filmovi){
      if(nizFiltriranih.length > 0){
        nizFiltriranih.forEach(nf => {
          if(izabrano == "najbolji"){
            nf.sort((a,b) => {
              if(a.ocena == b.ocena)
                return 0;
              return a.ocena > b.ocena ? -1 : 1;
            })
            ispisFilmove(nf);
          }
          else if(izabrano == "najpopularnije"){
            nf.sort((a,b) =>{

```

```

        if(a.popularno == b.popularno)
            return 0;
        return a.popularno > b.popularno ? 1 : -1;
    })
    ispisFilmove(nf);
}
else if(izabrano == "najnovije"){
    nf.sort((a,b) => {
        const datum1 = new Date(a.datum);
        const datum2 = new Date(b.datum);

        return Date.UTC(datum2.getFullYear(), datum2.getMonth(), datum2.
getDate()) - Date.UTC(datum1.getFullYear(), datum1.getMonth(), datum1.getDate());
    })
    ispisFilmove(nf);
}
else if(izabrano == "adoz"){
    nf.sort((a,b) => {
        if(a.naziv == b.naziv)
            return 0;
        return a.naziv > b.naziv ? 1 : -1;
    })
    ispisFilmove(nf);
}
else {
    ispisFilmove(nf);
}
})
}
else{
    if(izabrano == "najbolji"){
        filmovi.sort((a,b) => {
            if(a.ocena == b.ocena)
                return 0;
            return a.ocena > b.ocena ? -1 : 1;
        })
        ispisFilmove(filmovi);
    }
    else if(izabrano == "najpopularnije"){
        filmovi.sort((a,b) =>{
            if(a.popularno == b.popularno)
                return 0;
            return a.popularno > b.popularno ? 1 : -1;
        })
        ispisFilmove(filmovi);
    }
}

```

```

    }
    else if(izabrano == "najnovije"){
        filmovi.sort((a,b) => {
            const datum1 = new Date(a.datum);
            const datum2 = new Date(b.datum);

            return Date.UTC(datum2.getFullYear(), datum2.getMonth(), datum2.
getDate()) - Date.UTC(datum1.getFullYear(), datum1.getMonth(), datum1.getDate());
        })
        ispisFilmove(filmovi);
    }
    else if(izabrano == "adoz"){
        filmovi.sort((a,b) => {
            if(a.naziv == b.naziv)
                return 0;
            return a.naziv > b.naziv ? 1 : -1;
        })
        ispisFilmove(filmovi);
    }
    else {
        ispisFilmove(filmovi);
    }
}
}
)
}

```

```

//----- FILM -----

```

```

function ispisiFilm(film){
    let ispisi = "";
    let niz = film.slice(0, 1);

    niz.forEach(element =>{
        ispisi += `<div id="content">
            <h1>${element.naziv}</h1>
            <p>Release Date: ${datum(element.datum)}</p>
            <p>Contry: ${element.zemlja}</p>
            <p>Running Time: ${element.trajanje}min</p>
            <p>Genre: ${obrada(element.zanrovi)}</p>
            <p>Starring: ${obrada(element.ekipa.glumci)}</p>
            <p>Written by: ${obrada(element.ekipa.pisci)}</p>
            <p>Directed by: ${element.ekipa.direktor}</p>
            <p><a href="${element.trailer}" target="_blank">

```



```

        Watch trailer</a></p>
        <p><i class="fa fa-star" aria- hidden="true"></i>
        ${element.ocena}/10</p>
        <div id="userRating">
            <p>Your rating: </p>
            <select id="ocenaKorisnika"
            data-idFilma="${element.id}">`
            for(let i = 1; i <= 10; i++){
                ispisi += `<option value="${i}">${i}</option>`
            }
            ispisi += `
            </select>
        </div>
    </div>
    <div id="image">
        
        <p>${element.opis}</p>
    </div>`
    })

    document.getElementById("movie").innerHTML = ispisi;
    document.getElementById("ocenaKorisnika").addEventListener("change", ocenaKor
isnika);
    var ocena = JSON.parse(localStorage.getItem("ocenaKorisnika"));
    var disabled = JSON.parse(localStorage.getItem("disabled"));

    niz.filter(el => {
        for(let i=0; i<ocena.length; i++){
            if(el.id == ocena[i].id){
                document.getElementById("ocenaKorisnika").value = ocena[i].vrednost;
                document.getElementById("ocenaKorisnika").disabled = disabled;
            }
        }
    })
}

function filtrirajFilm(){
    var url = window.location.href;
    var idVrednost = url.split("?")[1].split("=")[1];

    ajaxFilmovi(
        function(filmovi){

```

```

        const filtrirano = filmovi.filter(el => el.id == idVrednost);

        ispisiFilm(filtrirano);
    }
)
}

function datum(datum){
    var datumObj = new Date(datum);

    return datumObj.getDate() + "." + (datumObj.getMonth()+1) + "." + datumObj.getFullYear() + ".";
}

function ocenaKorisnika(){
    let id = this.dataset.idfilma;
    let vrednost = this.value;
    var ocena = JSON.parse(localStorage.getItem("ocenaKorisnika"));

    if(ocena){
        var ocena = JSON.parse(localStorage.getItem("ocenaKorisnika"));

        ocena.push({
            id : id,
            vrednost:vrednost
        });
        localStorage.setItem("ocenaKorisnika", JSON.stringify(ocena));
        document.getElementById("textModal").innerHTML = "Thank you for rating this movie!";
        document.getElementById("popup").style.display = "block";
        localStorage.setItem("disabled", true);

    }
    else {
        var ocena = [];
        ocena[0] = {
            id : id,
            vrednost:vrednost
        };
        localStorage.setItem("ocenaKorisnika", JSON.stringify(ocena));
        document.getElementById("textModal").innerHTML = "Thank you for rating this movie!";
        document.getElementById("popup").style.display = "block";
    }
}

```

```

        localStorage.setItem("disabled", true);
    }
}

//----- WATCHLIST -----

function prikaziFilmove(){
    var filmovi = JSON.parse(localStorage.getItem("filmovi"));
    const izabrano = this.value;

    ajaxFilmovi(
        function(data){
            data = data.filter(el => {
                for(let film of filmovi)
                {
                    if(el.id == film.id) {
                        return true;
                    }
                }
            });

            if(izabrano == "najbolji"){
                data.sort(function(a,b){
                    if(a.ocena > b.ocena){
                        return -1;
                    }
                    else if(a.ocena == b.ocena) {
                        return 0;
                    }
                    else {
                        return 1;
                    }
                })
                ispisiWatchlistu(data);
            }
            else if(izabrano == "najpopularnije"){
                data.sort(function(a,b){
                    if(a.popularno > b.popularno){
                        return 1;
                    }
                    else if(a.popularno == b.popularno) {
                        return 0;
                    }
                })
            }
        }
    );
}

```

```

        }
        else {
            return -1;
        }
    })
    ispisiWatchlistu(data);
}
else if(izabrano == "najnovije"){
    data.sort(function(a,b){
        const datum1 = new Date(a.datum);
        const datum2 = new Date(b.datum);

        return Date.UTC(datum2.getFullYear(), datum2.getMonth(), datum2.
getDate()) - Date.UTC(datum1.getFullYear(), datum1.getMonth(), datum1.getDate());
    })
    ispisiWatchlistu(data);
}
else if(izabrano == "adoz"){
    data.sort(function(a,b){
        if(a.naziv > b.naziv){
            return 1;
        }
        else if(a.naziv == b.naziv) {
            return 0;
        }
        else {
            return -1;
        }
    })
    ispisiWatchlistu(data);
}
else {
    ispisiWatchlistu(data);
}

    ispisiWatchlistu(data);
}
)
}

```

```

function ispisiWatchlistu(filmovi){
    var filmoviPostoje = JSON.parse(localStorage.getItem("filmovi"));
    var ispis = "";
    if(filmoviPostoje){

```

```

    filmovi.forEach(element => {
        ispis += `<tr>
            <td colspan="2">
                <div class="filmWatchlist">
                    <div class="slikaWatchlist">
                        <a href="film.html?id=${element.id}">
                            
                        </a>
                    </div>
                    <div class="infoWatchlist">
                        <a href="film.html?id=${element.id}">
                            <h1>${element.naziv}</h1>
                        </a>
                        <p>${datum1(element.datum)} | ${element.trajanje} min |
                            ${obrada(element.zanrovi)} | <i class="fa fa-star"></i>
                            ${element.ocena}</p>
                        <p>${element.opis}</p>
                        <p>Stars: ${obrada(element.ekipa.glumci)}</p>
                    </div>
                </div>
                <input type="button" value="Remove" onclick="
                    obrisiIzWatchliste(${element.id})" class="remove"/>
            </td>
        </tr>`
    });

}

document.getElementById("bodi").innerHTML = ispis;
document.getElementById("sortirajWatchlist").addEventListener("change",
prikaziFilmove);
document.getElementById("brojFilmova").innerHTML = `Number of movies:
    ${filmoviPostoje.length}`;
}

function datum1(datum){
    var datumObj = new Date(datum);

    return datumObj.getFullYear();
}

function obrisiIzWatchliste(id){
    var filmovi = JSON.parse(localStorage.getItem("filmovi"));

```

```
var obrisano = filmovi.filter(function(el){
    return el.id != id;
})

localStorage.setItem("filmovi", JSON.stringify(obrisano));

if(obrisano.length == 0){
    $("#tabela").hide();
    $("#prazno").show();
}
prikaziFilmove();
}
```