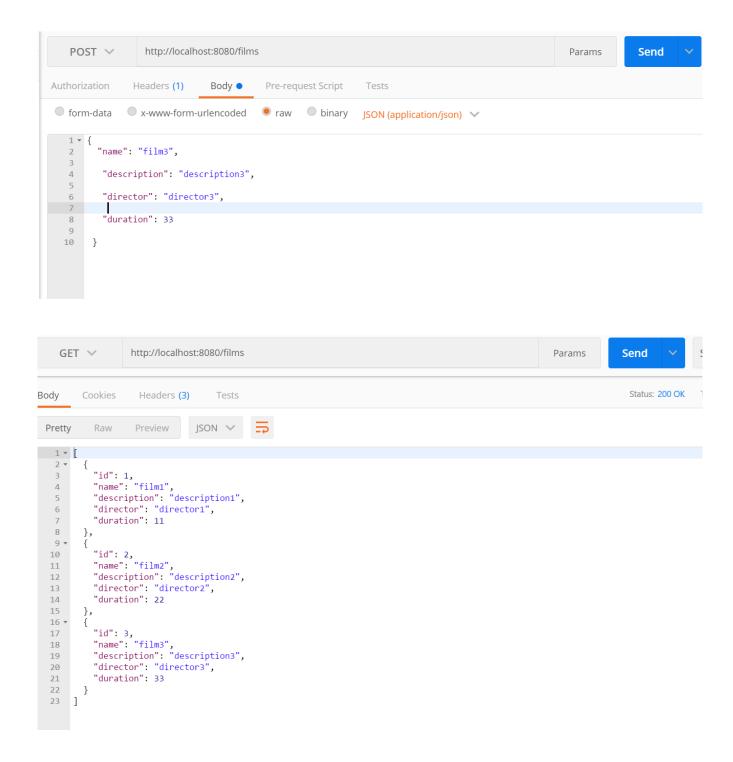
Kao što je već navedeno, Moviepedia se sastoji od 4 modula. Svaki modul, odnosno potprojekat unutar glavnog projekta Moviepedia ima implementiran svoj RESTful API, odnosno metode za dodavanje, brisanje, prikazivanje i ažuriranje objekata. Svaki entitet ima svoje servise koji su pozvani iz kontrolera koji izvršava određeni HTTP zahtjev, dok se sami servisi oslanjaju na repozitorije za dobavljanje podataka iz baze. Konekcija sa bazom je definisana u application.properties fajlu. Pored osnovnih, CRUD metoda, svaki modul ima i dvije zasebne REST metode koje ce biti prikazane u nastavku.

TESTIRANJE MODULA

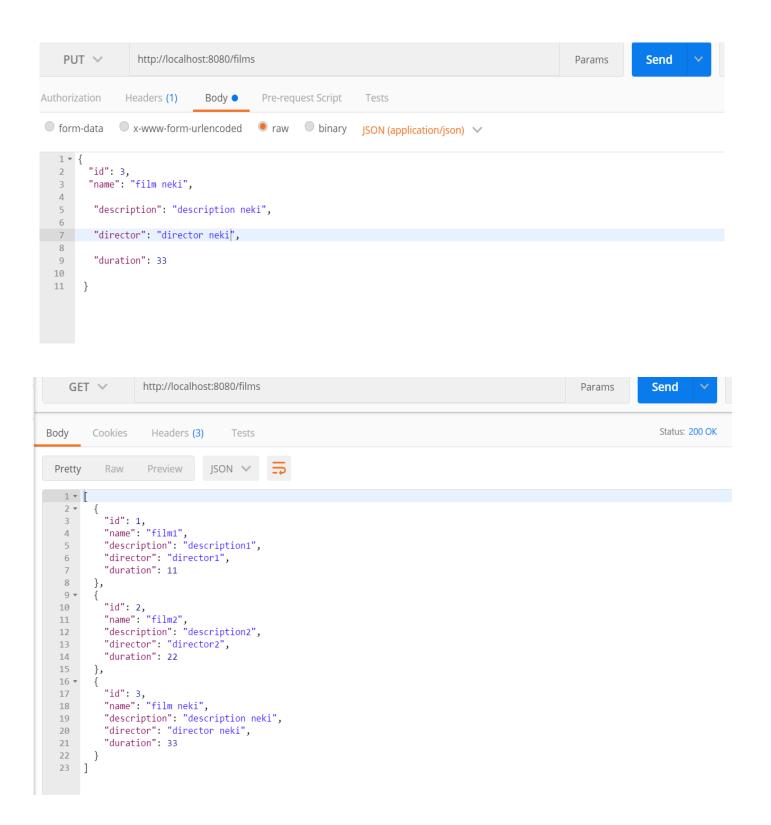
Testiranje API-a se je vršilo preko POSTMAN plugin-a za Chrome browser. Content type je podešen na application/json.

```
MODUL: Film
    Metoda: GET
    @RequestMapping("/films")
              public List<FilmEntity> getAllFilms()
                        return filmService.getAllFilms();
    public List<FilmEntity> getAllFilms(){
                        List<FilmEntity> films = new ArrayList<>();
                        filmRepository.findAll().forEach(films::add);
                        return films;
              }
                 http://localhost:8080/films
  GET V
                                                                                                      Params
                                                                                                                     Send
                                                                                                                                    Save
                  Headers (3)
                                                                                                                      Status: 200 OK
                                                                                                                                    Time: 36 ms
                                                                                                                                      1 Q
                              JSON ✓
Pretty
        "id": 1,
"name": "film1",
"description": "description1",
"director": "director1",
"director": 11
 10
         "name": "film2",
"description": "description2",
"director": "director2",
 11
13
          "duration": 22
14
15
16
    ]
```

```
Metoda: POST
```



```
Metod: GET{id}
 @RequestMapping("/films/{id}")
          public FilmEntity getFilm(@PathVariable int id){
                 return filmService.getFilm(id);
 public FilmEntity getFilm(int id){
                 return filmRepository.findOne(id);
          }
    GET V
                 http://localhost:8080/films/1
                                                                                               Params
                                                                                                           Send
        Cookies
                                                                                                            Status: 200 OK
Body
                  Headers (3)
                 Preview
                             JSON 🗸
 Pretty
       "id": 1,
"name": "film1",
"description": "description1",
"director": "director1",
  3
       "duration": 11
  6
 Metoda: PUT
 public void updateFilm(FilmEntity film) {
                 filmRepository.save(film);
 @RequestMapping(method=RequestMethod.PUT, value="/films")
         public void updateFilm(@RequestBody FilmEntity film){
                 filmService.updateFilm(film);
          }
```



Metoda: DELETE

```
@RequestMapping(method=RequestMethod.DELETE, value="/films/{id}")
           public void deleteFilm(@PathVariable int id)
                      filmService.deleteFilm(id);
           }
public void deleteFilm
                                            (int id) {
                      filmRepository.delete(id);
           }
   DELETE V
                      http://localhost:8080/films/1
                                                                                                                                          Send
                                                                                                                          Params
    GET ∨
                     http://localhost:8080/films
                                                                                                                                         Send
                                                                                                                         Params
Body
          Cookies
                       Headers (3)
                                         Tests
                                                                                                                                           Status: 200 OK
                      Preview
                                    JSON 🗸
 Pretty
            Raw
   1 * [
            "id": 2,
"name": "film2",
"description": "description2",
"director": "director2",
"duration": 22
   8

},
{
    "id": 3,
    "name": "film neki",
    "description": "description neki",
    "director": "director neki",
    "duration": 33
}

   9 +
   10
   11
  12
  13
  14
  16
```

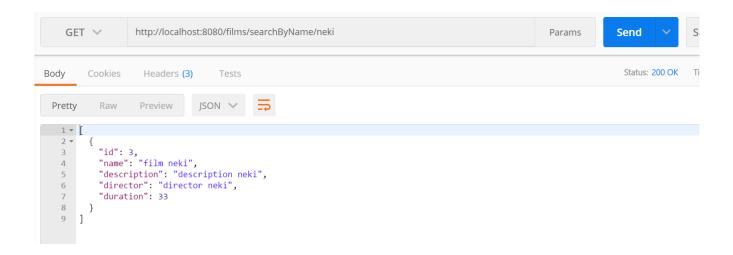
Metoda: Pretraga po nazivu (pretraga se vrši po bilo kojem stringu koji je sadržanu u nazivu filma)

public List<FilmEntity> findByNameContaining(String word);

@RequestMapping(value="/films/searchByName/{word}")

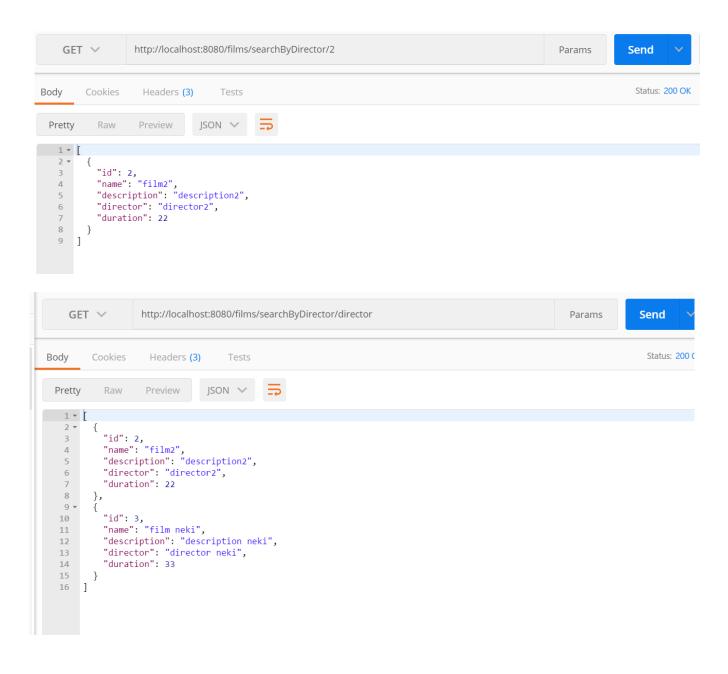
public List<FilmEntity> searchByName(@PathVariable String word)

{
 return filmService.searchByWord(word);
}



Metoda: Pretraga po režiseru (pretraga se vrši po bilo kojem stringu koji je sadržan u nazivu režisera)

public List<FilmEntity> findByDirectorContaining(String director);



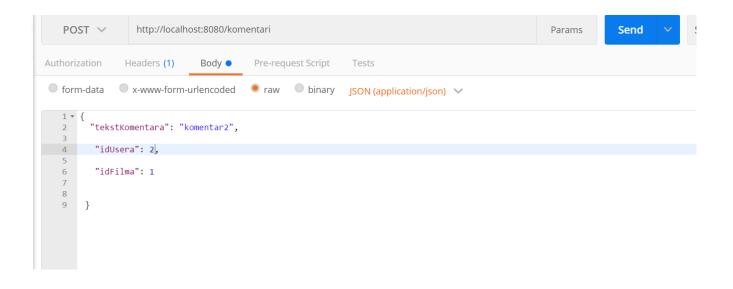
MODUL: Komentari

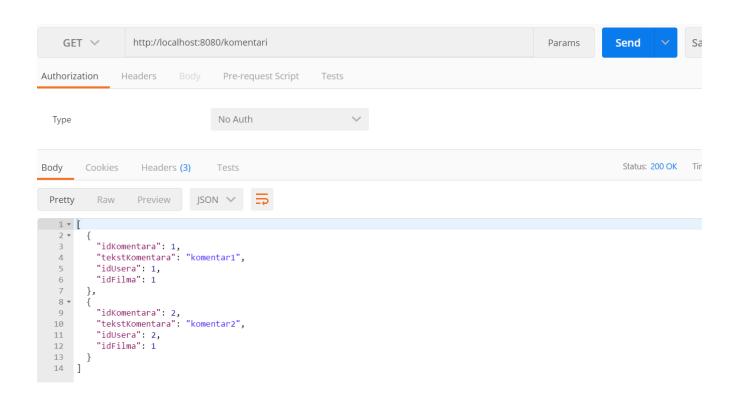
Metode: GET I POST

```
@RequestMapping(method=RequestMethod.POST, value="/komentari")
    public void addKomentari(@RequestBody Komentari Komentari)
    {
        KomentariService.addKomentari(Komentari);
    }

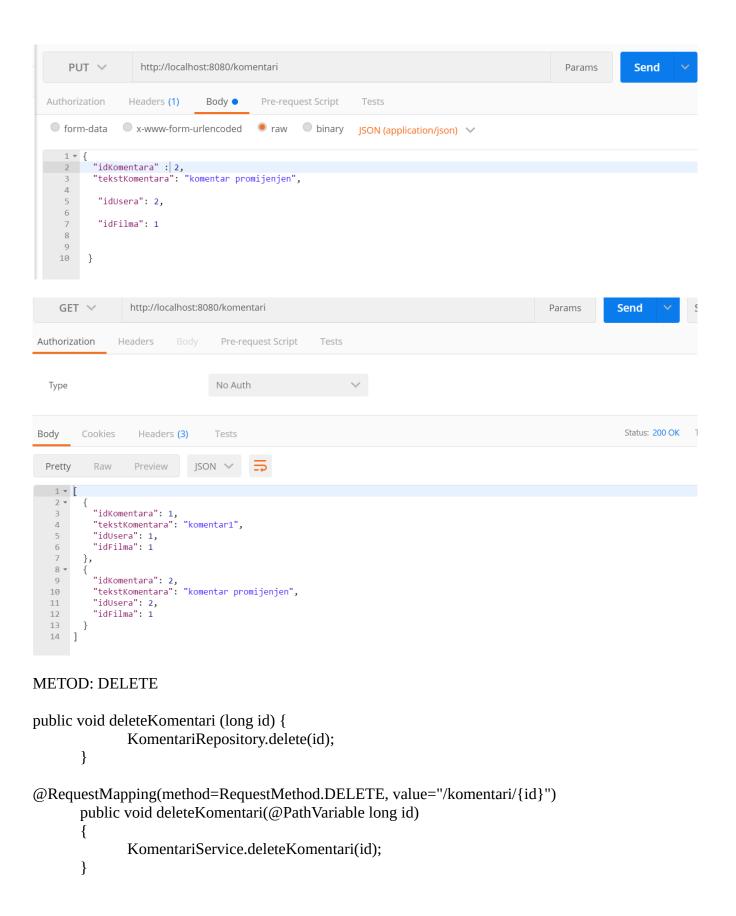
public void addKomentari(Komentari Komentari) {
        KomentariRepository.save(Komentari);
    }
```

```
@RequestMapping("/komentari")
        public List<Komentari> getAllKomentari()
        {
                 return KomentariService.getAllKomentari();
public List<Komentari> getAllKomentari(){
                 List<Komentari> Komentari = new ArrayList<>();
                 KomentariRepository.findAll().forEach(Komentari::add);
                  return Komentari;
        }
                                                                                                            Send
    POST ∨
                  http://localhost:8080/komentari
                                                                                               Params
 Authorization
                Headers (1)
                              Body •
                                        Pre-request Script
                                              binary
               x-www-form-urlencoded
                                                         JSON (application/json)
         "tekstKomentara": "komentar1",
          "idUsera": 1,
    4
        "idFilma": 1
  6
    8
       GET ∨
                    http://localhost:8080/komentari
                                                                                                Params
                                                                                                            Send
   Authorization
                  Headers
                                    Pre-request Script
                                    No Auth
     Туре
                                                                                                             Status: 200 OK 1
   Body
           Cookies
                     Headers (3)
     Pretty
              Raw
                     Preview
            "idKomentara": 1,
"tekstKomentara": "komentar1",
            "idUsera": 1,
"idFilma": 1
```

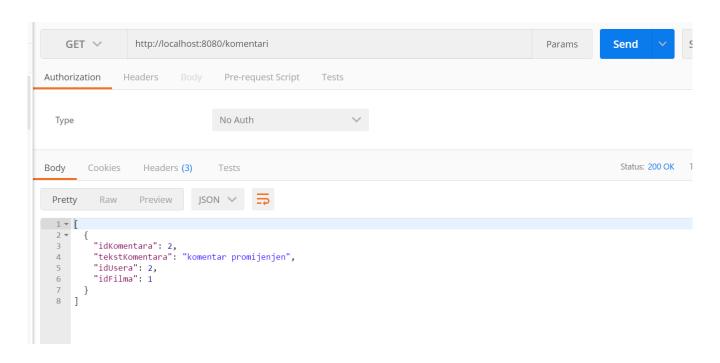




```
METODA: GET {id}
public Komentari getKomentari(long id){
               return KomentariRepository.findOne(id);
       }
@RequestMapping("/komentari/{id}")
       public Komentari getKomentari(@PathVariable long id){
               return KomentariService.getKomentari(id);
       }
                http://localhost:8080/komentari/2
                                                                                                 Send
     GET V
                                                                                      Params
 Authorization
              Headers
                               Pre-request Script
                                                Tests
                               No Auth
   Туре
                                                                                                  Status: 200 OK
        Cookies
 Body
                 Headers (3)
                              Tests
  Pretty
          Raw
                 Preview
                           JSON V
        "idKomentara": 2,
"tekstKomentara": "komentar2",
        "idUsera": 2,
        "idFilma": 1
METOD: PUT
@RequestMapping(method=RequestMethod.PUT, value="/komentari")
       public void updateKomentari(@RequestBody Komentari Komentar){
               KomentariService.updateKomentari(Komentar);
       }
public void updateKomentari(Komentari Komentari) {
               KomentariRepository.save(Komentari);
       }
```







MODUL: Korisnici

```
METODE: POST I GET

@RequestMapping(method=RequestMethod.POST, value="/Korisnici")
    public void AddKorisnik(@RequestBody Korisnik korisnik)
    {
        korisnikService.addKorisnik(korisnik);
}
public void addKorisnik(Korisnik korisnik)
    {
        korisnikRepository.save(korisnik);
}

@RequestMapping("/Korisnici")
    public List<Korisnik> getAllKorisnici()
    { return korisnikService.getAllKorisnici();
}
public List<Korisnik> getAllKorisnici(){
        List<Korisnik> korisnici = new ArrayList<>();
        korisnikRepository.findAll().forEach(korisnici::add);
```

return korisnici;

