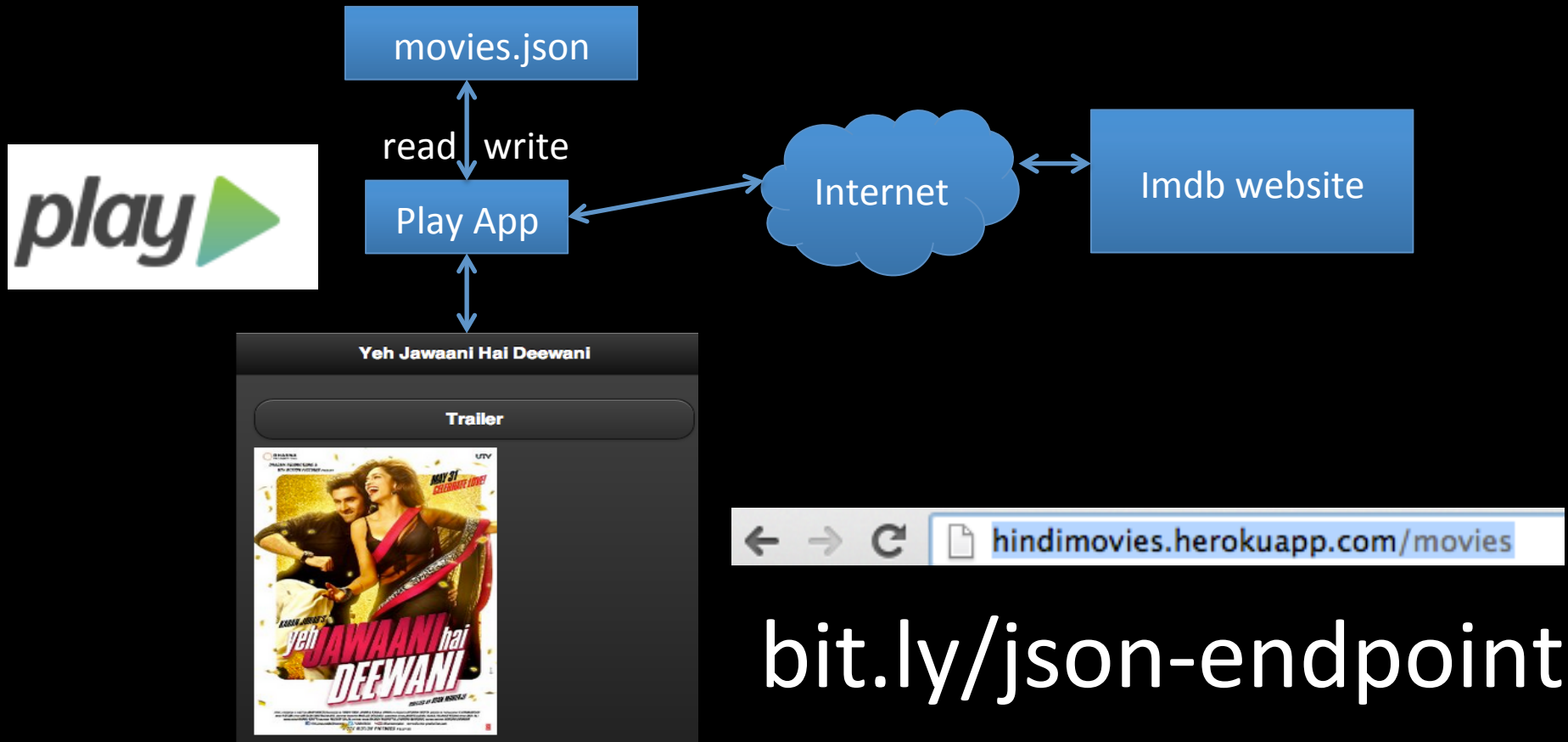


# jQuery Mobile School video 7

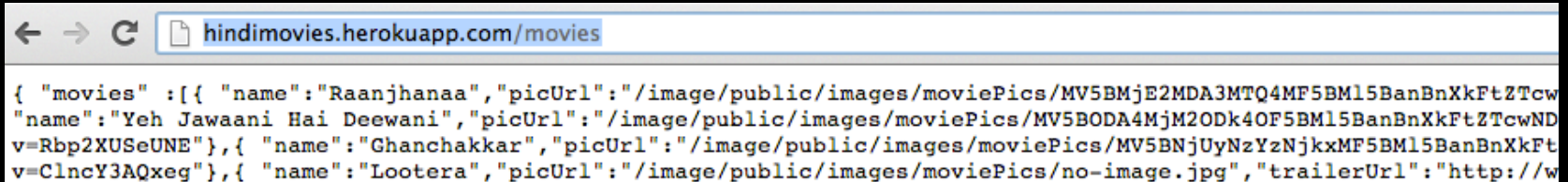
Generating movies json file

# /movies json end point



# Step 1 - Define the route

```
#JSON endpoint for getting movies.json
GET      /movies      controllers.MovieController.readMoviesFile
```



A screenshot of a web browser window. The address bar shows the URL `hindimovies.herokuapp.com/movies`. The browser displays a JSON response for the GET request to this endpoint. The JSON object has a key "movies" which contains an array of four movie objects. Each object has "name" and "picUrl" fields. The last object also has a "trailerUrl" field.

```
{ "movies" : [{ "name": "Raanjhanaa", "picUrl": "/image/public/images/moviePics/MV5BMjE2MDA3MTQ4MF5BMl5BanBnXkFtZTcw",
"name": "Yeh Jawaani Hai Deewani", "picUrl": "/image/public/images/moviePics/MV5BODA4MjM2ODk4OF5BMl5BanBnXkFtZTcwND
v=Rbp2XUSeUNE"}, { "name": "Ghanchakkar", "picUrl": "/image/public/images/moviePics/MV5BNjUyNzYzNjkxMF5BMl5BanBnXkFt
v=ClncY3AQxeg"}, { "name": "Lootera", "picUrl": "/image/public/images/moviePics/no-image.jpg", "trailerUrl": "http://w
```

## Step 2 – Implement the route end point

```
object MovieController extends Controller {  
  def readMoviesFile = Action {  
    val moviesJson = Source  
      .fromFile("movies.json")  
      .mkString  
    Ok(moviesJson)  
  }  
}
```

## Step 3 – Generate the movies.json file by scraping imdb web site

```
def createMoviesFile = {  
  val imdbUrl = "http://www.imdb.com/showtimes/location/US/94041/"  
  val imdbSource = Source  
    .fromURL(imdbUrl)(io.Codec("UTF-8"))  
    .mkString  
  
  val results = "(?m)href=\"/showtimes/title/(.*?)\".r findAllIn imdbSource  
  var movieTitles = for(x <- results.matchData) yield x.group(1)
```

# Write json file with data

```
var op = "{ \"movies\" :["  
downloadedIndianMovie.map(movie => {  
  op += "{ \"name\": \"" + movie.name  
  op += "\", \"picUrl\": \"" + movie.picUrl  
  op += "\", \"trailerUrl\": \"" + movie.trailerUrl  
  op += "\"}, "  
}  
)  
  
op = op.dropRight(1)  
op += "]}"  
WriteMoviesToFile(op)
```

## Step 4 – Schedule generation of movies.json file

[illegible]

# See it in action

PUBLIC  kemcho / **bollywoodMovies**

Play app that downloads hindi movies near you from imbd.com <http://hindimovies.herokuapp.com>

## README

bollywoodMovies, its a

- jQuery mobile frontend to shows hindi movies near you.
- powered by play backend that gets movies info imdb.com.

Steps to use this:

1. git clone git://github.com/kemcho/bollywoodMovies.git
2. cd bollywoodMovies
3. Install playframework from [www.playframework.com](http://www.playframework.com) and add play to the PATH variable
4. play run
5. open your browser go to : <http://localhost:9000/>
6. Movies pictures will be downloaded to moviePics (new folder)

Sample output once you hit <http://localhost:9000/> on your browser would be similar to

<http://hindimovies.herokuapp.com/>



# Up Next

- How to deploy your jQuery Mobile app on [HEROKU.com](https://heroku.com)