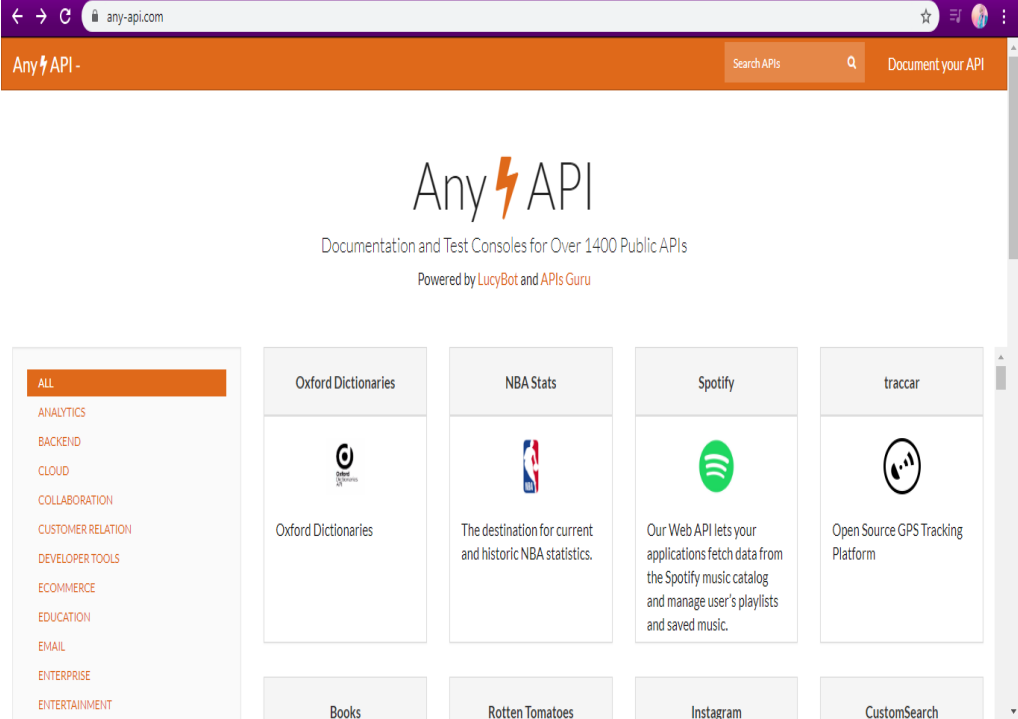




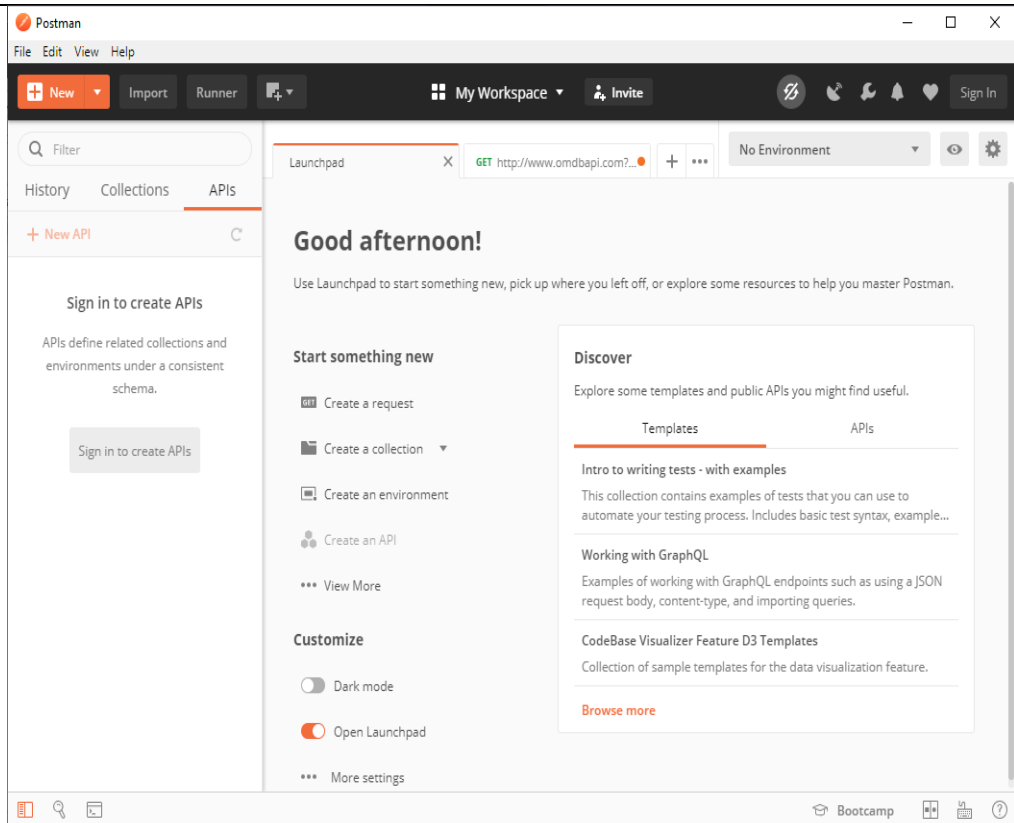
LAPORAN PRAKTIKUM PEMROGRAMAN DASAR WEB

NAMA : NUR HANIFAH
NIM : 1841720062
Kelas : TI 2B
Isi Laporan : Jobsheet7 Pengenalan JSON, penggunaan postman, Public API, Restful API, cURL

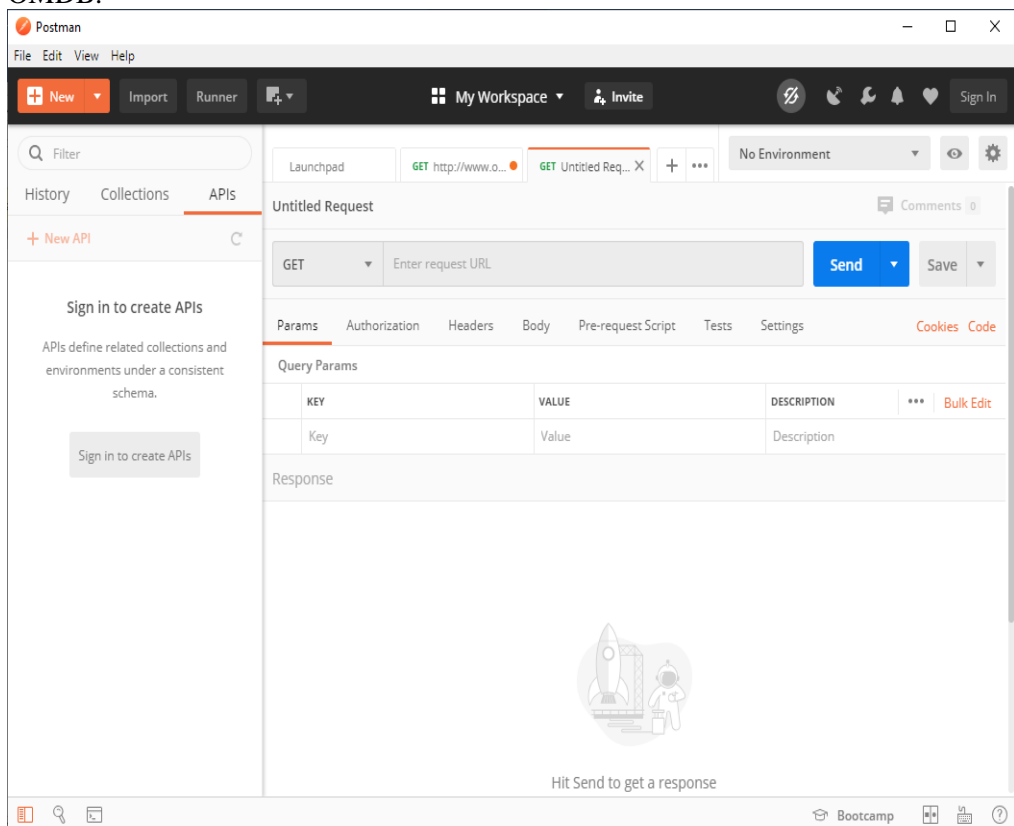
Praktikum – Bagian 1: Registrasi Account di layanan Public API dan Test API menggunakan Postman

<u>Langkah</u>	<u>Keterangan</u>
1.	<p>Buka website Any API untuk melihat public api yang bisa digunakan. Pilih OMDB untuk membuat project website pencarian movie.</p> 
2.	<p>Registrasi pada website OMDB untuk mendapatkan kunci api. Kunci api ini digunakan sebagai otentifikasi saat menggunakan api di OMDB.</p>

	<div data-bbox="359 212 1369 241" data-label="Text"> <p>3/10/19 Disposable/Temporary Emails Purged! All keys associated with these emails have been removed. Friendly reminder, we do not sell or share your information with anyone else.</p> </div> <div data-bbox="347 259 1029 719" data-label="Form"> <div>Generate API Key</div> <div> Account Type <input type="radio"/> Patreon <input checked="" type="radio"/> FREE! (1,000 daily limit) </div> <div> Email <input type="text" value="Hanifah110498@gmail.com"/> </div> <div> Name <input type="text" value="Nur"/> <input type="text" value="Hanifah"/> </div> <div> Use <input type="text" value="For education"/> </div> <div>A short description of the application or website that will use this API.</div> <div>Submit</div> </div>
3.	<p>Selajutnya kita akan menerima email berisi kunci api, kunci api tersebut harus diaktifkan dengan membuka link yang disertakan dalam email.</p> <div data-bbox="359 846 1369 1361" data-label="Image"> <p>The screenshot shows an email interface. At the top, it says 'API Key' with a 'Kotak Masuk x' button. Below is the email header from 'The OMDb API <donotreply@omdbapi.com>' with a 'Berhenti berlangganan' link. The body of the email states: 'Here is your key: 1f4e8bd5', 'Please append it to all of your API requests,', and 'OMDb API: http://www.omdbapi.com/?i=tt3896198&apikey=1f4e8bd5'. It also includes an activation URL: 'http://www.omdbapi.com/apikey.aspx?VERIFYKEY=7698b828-d1a7-4b7d-87d3-b00278551586'. At the bottom, there are 'Balas' and 'Teruskan' buttons.</p> </div>
4.	<p>Setelah mendapat kunci api, kita dapat melakukan ujicoba kunci api tersebut dengan menggunakan aplikasi Postman. Sebelumnya lakukan instalasi aplikasi postman yang sudah didownload pada halaman https://www.postman.com/downloads/. Lakukan instalasi sampai selesai dan aplikasi postman dapat berjalan seperti gambar dibawah ini.</p>



5. Selanjutnya Klik + **new tab** pada jendela postman, dan masukkan parameter untuk api OMDB.



6. Untuk list parameter dapat dilihat pada website <http://www.omdbapi.com/>. Kita gunakan parameter s untuk mencari film berdasarkan judul film.

OMDb API

UsageParametersExamplesChange LogAPI Key

Become a PatronContact

By ID or Title

Parameter	Required	Valid Options	Default Value	Description
i	Optional*		<empty>	A valid IMDb ID (e.g. tt1285016)
t	Optional*		<empty>	Movie title to search for.
type	No	movie, series, episode	<empty>	Type of result to return.
y	No		<empty>	Year of release.
plot	No	short, full	short	Return short or full plot.
r	No	json, xml	json	The data type to return.
callback	No		<empty>	JSONP callback name.
v	No		1	API version (reserved for future use).

*Please note while both "i" and "t" are optional at least one argument is required.

By Search

Parameter	Required	Valid options	Default Value	Description
s	Yes		<empty>	Movie title to search for.

7.

Masukan parameter key dan value berupa **api key**, value berupa **key**, code pencarian **s** dan judul film yang akan dicari, misalnya **terminator**.

GET

http://www.omdbapi.com/?apikey=1f4e8bd5&s=terminator

Send

Save

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

Code

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> apikey	1f4e8bd5			
<input checked="" type="checkbox"/> s	terminator			
Key	Value	Description		

Body

Cookies (1)

Headers (14)

Test Results

Status: 401 Unauthorized

Time: 1121ms

Size: 511 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

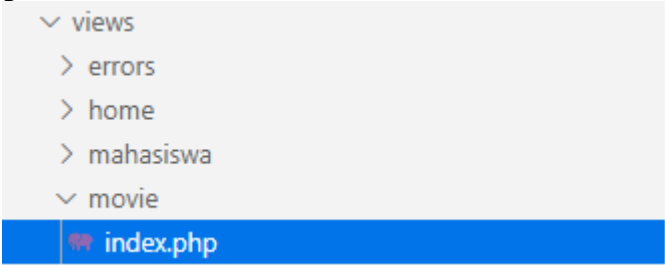
"Response": "False",

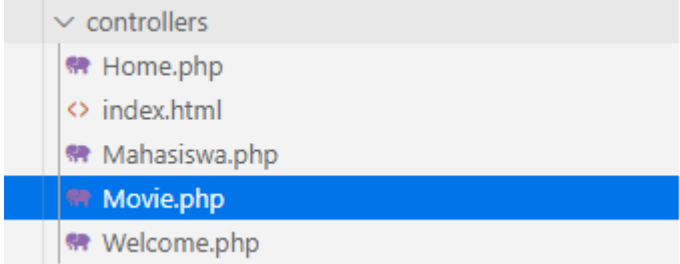
"Error": "Invalid API key!"

8.

Jika parameter sesuai, akan didapatkan hasil berupa respon JSON dari website OMDb seperti gambar ini.

Praktikum – Bagian 2: Membuat Aplikasi Movie List Code Igniter Menggunakan Public API

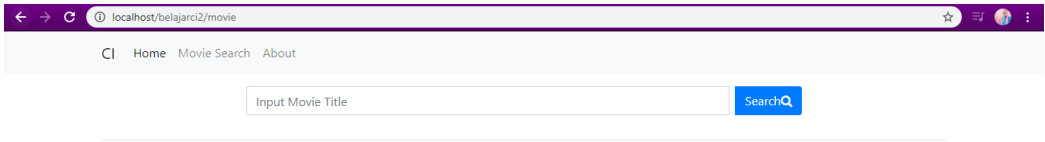
Langkah	Keterangan
1	Duplikasi Project Code-Ketiga dan berilah nama project Code-ketujuh
2	<p>Lakukan perubahan konfigurasi <code>\$config['base_url'] = 'http://localhost/rest-api/Code-ketujuh/';</code> pada <code>config.php</code></p> <pre> 22 If you need to allow multiple domains, remember that this file is still 23 a PHP script and you can easily do that on your own. 24 25 */ 26 \$config['base_url'] = 'http://localhost/rest-api/belajarci2/'; 27 28 /* 29 ----- 30 TODO: Edit </pre>
3	<p>Buatlah sebuah file index.php pada folder view/movie/ dan tuliskan script seperti gambar dibawah ini:</p>  <pre> application > views > movie > index.php > div.container.mt-3 1 <div class="container mt-3"> 2 <div class="row justify-content-center"> 3 <div class="col-md-8"> 4 <div class="input-group mb-3"> 5 <input type="text" id="search-text" class="form-control" placeholder="Input Movie Title" 6 aria-label = "Recipient's username" aria-describedby="button-addon2"> 7 <div class="input-group-append"> 8 <button class="btn btn-primary ml-2" type="button" id="btn-search">Search<i class="fa fa-search"></i></button> 9 </div> 10 </div> 11 </div> 12 </div> 13 <hr> 14 15 <div class="row" id="movie-list"> 16 17 </div> 18 </div> 19 20 <!-- Modal --> 21 <div class="modal fade" id="exampleModal" tabindex="-1" role="dialog" 22 aria-labelledby="exampleModalLabel" aria-hidden="true"> 23 <div class="modal-dialog modal-lg" role="document"> 24 <div class="modal-content"> 25 <div class="modal-header"> 26 <h5 class="modal-title" id="exampleModalLabel">Movie Details</h5> 27 <button type="button" class="close" data-dismiss="modal" aria-label="Close"> 28 &times;</button> 29 </div> 30 <div class="modal-body"> 31 32 </div> 33 </div> </pre>

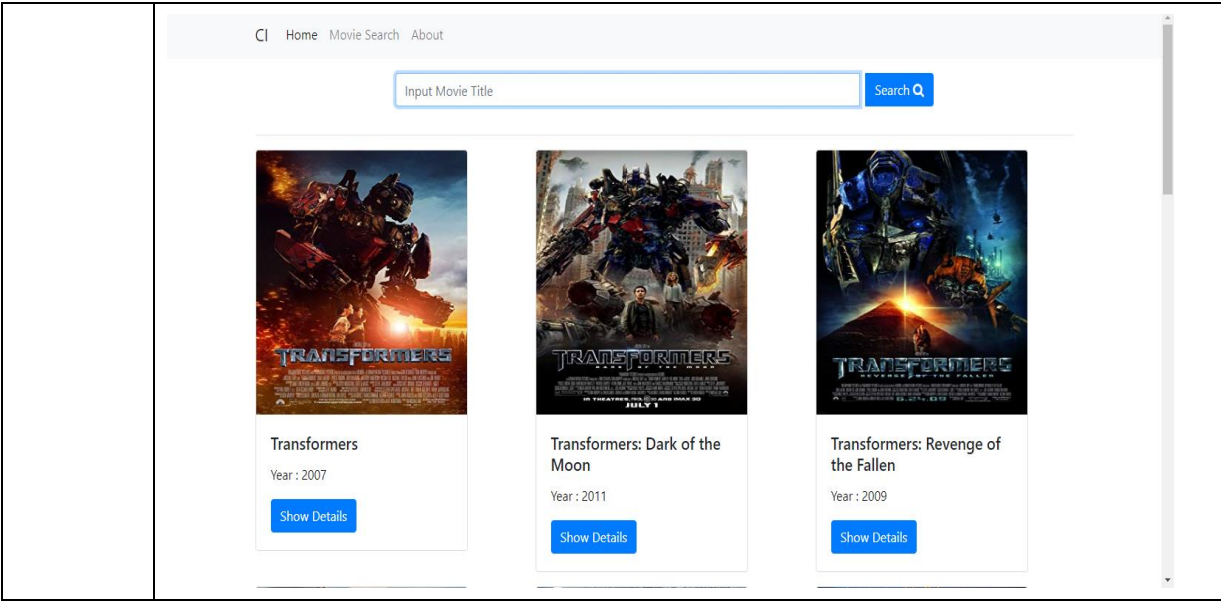
	<pre> 33 <div class="modal-footer"> 34 <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button> 35 </div> 36 </div> 37 </div> 38 </div> </pre>
4	<p>Buatlah sebuah file controller Movie.php pada folder controller dan tuliskan script seperti gambar dibawah ini:</p>  <pre> application > controllers > Movie.php > ... 1 <?php 2 3 defined('BASEPATH') or exit('No direct script access allowed'); 4 5 class Movie extends CI_Controller { 6 7 public function index() 8 { 9 \$this->load->view('template/header'); 10 \$this->load->view('movie/index'); 11 \$this->load->view('template/footer'); 12 } 13 14 } 15 16 17 /* End of file Movie.php */ </pre>
5	<p>Selanjutnya buat file javascript script.js pada folder assets/js/ kemudian tuliskan script seperti gambar dibawah ini:</p>

- assets
 - css
 - js
 - bootstrap.bundle.js
 - bootstrap.bundle.js.map
 - bootstrap.bundle.min.js
 - bootstrap.bundle.min.js.map
 - bootstrap.js
 - bootstrap.js.map
 - bootstrap.min.js
 - bootstrap.min.js.map
 - script.js

```
assets > bootstrap > js > JS script.js > searchMovies > data > 'apikey'
1 <$('#search-text').on('keyup', function (e) {
2   if (e.keyCode == 13) {
3     searchMovies();
4   }
5 })
6
7 <$('#btn-search').on('click', function (e) {
8   searchMovies();
9 })
10 <$('#movie-list').on('click', '#btn-details', function (e) {
11   $.ajax({
12     url: 'http://www.omdbapi.com',
13     type: 'GET',
14     dataType: 'json',
15     data: {
16       'apikey': '1f4e8bd5', //API Key
17       'i': $(this).data('id') //parameter i untuk pencarian film berdasarkan id film /omdbID
18     },
19     success: function (result) {
20       if (result.Response === "True") {
21         $('#modal-body').html('');
22         $('#modal-body').append(`
23           <div class="row">
24             <div class="col-md-4">
25               <img src="" + result.Poster + "" class="img-fluid">
26             </div>
27             <div class="col-md-8">
28               <ul class="list-group">
29                 <li class="list-group-item"><h4>` + result.Title + `</h4></li>
30                 <li class="list-group-item">Released : ` + result.Release + `</li>
31                 <li class="list-group-item">Genre : ` + result.Genre + `</li>
32                 <li class="list-group-item">Writer : ` + result.Writer + `</li>
33                 <li class="list-group-item">Actors : ` + result.Actors + `</li>
```


	<pre> assets > bootstrap > js > JS script.js > searchMovies > data > 'apikey' 33 <li class="list-group-item">Actors : `+ result.Actors + ` 34 <li class="list-group-item">Production : `+ result.Production + ` 35 <li class="list-group-item">Plot : `+ result.Plot + ` 36 37 </div> 38 </div> 39 </div> 40 `); 41 } 42 43 } 44 }); 45 }) 46 47 function searchMovies() { 48 \$.ajax({ 49 url: 'http://www.omdbapi.com', 50 type: 'GET', 51 dataType: 'json', 52 data: { 53 'apikey': '1f4e8bd5', //API Key 54 's': \$('#search-text').val() 55 }, 56 success: function (result) { 57 let movies = result.Search; 58 \$('#movie-list').html(''); 59 if (result.Response == "True") { 60 \$.each(movies, function (i, data) { 61 \$('#movie-list').append(`<div class="col-md-4 mb-3"> 62 <div class="card" style="width: 18rem;"> 63 64 <div class="card-body"><h5 class="card-title">`+ data.Title + `</h5> 65 <p class="card-text">Year : `+ data.Year + `</p> 66 Show Details 68 </div></div></div> 69 `); 70 }) 71 } else { 72 \$('#movie-list').append(` 73 <div class="col-sm-12 text-center"> 74 <h1>`+ result.Error + `</h1> 75 </div> 76 `); 77 } 78 }); 79 }); 80 81 \$('#search-text').val(""); 82 } </pre>
6	<p>Tambahkan script pada footer.php pada folder template seperti gambar dibawah ini:</p> <pre> application > views > template > footer.php > ... 1 <!-- Optional JavaScript --> 2 <!-- jQuery first, then Popper.js, then Bootstrap JS --> 3 <script src="https://code.jquery.com/jquery-3.2.1.min.js"></script> 4 <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js"></script> 5 <script src="assets/bootstrap/js/bootstrap.js"></script> 6 <script src="assets/bootstrap/js/script.js"></script> 7 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js" integrity="sha384-ChfqqxuZUCnJSK3+MXmPNIyE6ZbWh2IMqE241r 8 </body> 9 </html> </pre>
7	<p>Tambahkan juga script pada header.php pada folder template seperti gambar dibawah ini:</p>

	<pre> application > views > template > header.php ... 1 <!doctype html> 2 <html lang="en"> 3 4 <head> 5 <!-- Required meta tags --> 6 <meta charset="utf-8"> 7 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no"> 8 9 <!-- Bootstrap CSS --> 10 <link rel="stylesheet" href="{%= base_url(); %}assets/css/bootstrap.css"> 11 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css" integrity="sha384-Vkoo8x4CGs03+Hhvx8T/ 12 <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css"> 13 <!-- style CSS --> 14 <style> 15 .badge{ 16 margin-left: 3px; 17 } 18 </style> 19 <title>Movie Search</title> 20 </head> 21 22 <body> 23 <nav class="navbar navbar-expand-lg navbar-light bg-light"> 24 <div class="container"> 25 CI 26 <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav" aria-expanded= 27 28 </button> 29 <div class="collapse navbar-collapse" id="navbarNav"> 30 <ul class="navbar-nav"> 31 <li class="nav-item active"> 32 Home (current) 33 34 <li class="nav-item"> 35 Movie Search (current) 36 37 <li class="nav-item"> 38 About 39 40 41 </div> 42 </div> 43 </nav> </pre>
8	<p>Jika sudah selesai, hasil akhir aplikasi pencarian film adalah seperti gambar dibawah ini:</p> 
9	<p>Lakukan pencarian informasi film dengan mengetikan keyword berupa judul film seperti gambar dibawah ini:</p>



-- Selamat Mengerjakan --