

## Capstone Project:

# My Movie Plan

## Document contains:

- Project and developer details
- Sprints planned and the tasks achieved in them
- Core concepts used in the project
- Links to the GitHub repository to verify the project completion

## Project and developer details

### DESCRIPTION

Create a dynamic and responsive for booking movie tickets online for different genres and languages.

#### Background of the problem statement:

NMS Cinemas is a chain of single screen theatres that screen movie shows of different genres and languages at very genuine prices. It was established in 2004 in Pune, India. Recently, the business analysts noticed a decline in sales since 2010. They found out that the online booking of movie tickets from apps, such as Book My Show and Paytm were gaining more profit by eliminating middlemen from the equation. As a result, the team decided to hire a Full Stack developer to develop an online movie ticket booking web application with a rich and user-friendly interface.

You are hired as the Full Stack Java developer and are asked to develop the web application. The management team has provided you with the requirements and their business model so that you can easily arrange different components of the application.

#### Features of the application:

1. Registration
2. Login
3. Payment gateway
4. Searching
5. Filtering

6. Sorting
7. Dynamic data
8. Responsive and compatible with different devices

### **Admin Portal:**

It deals with all the backend data generation and product information. The admin user should be able to:

- Add or remove different genres to or from the application to build a rich product line
- Edit movie details like name, ticket price, language, description, and show timings to keep it aligned to the current prices
- Enable or disable the movie shows from the application

### **User Portal:**

It deals with the user activities. The end-user should be able to:

- Sign-in to the application to maintain a record of activities
- Search for movie tickets based on the search keyword
- Apply filters and sort results based on different genres
- Add all the selected movie tickets to a cart and customize the purchase at the end
- Experience a seamless payment process
- Receive a booking summary page once the payment is complete

**Developer Details:** Sadhu Venkata Sai Kumar

svsai97@gmail.com

7780556763

### **Sprints planned and the tasks achieved in them**

There are four sprints for this project

Sprint-1: Studied the Features of application and created Git Repository.

Sprint-2: My Movie Plan backend created using spring boot and tested backend API

Sprint-3: My Movie Plan frontend created using spring boot and connected with backend.

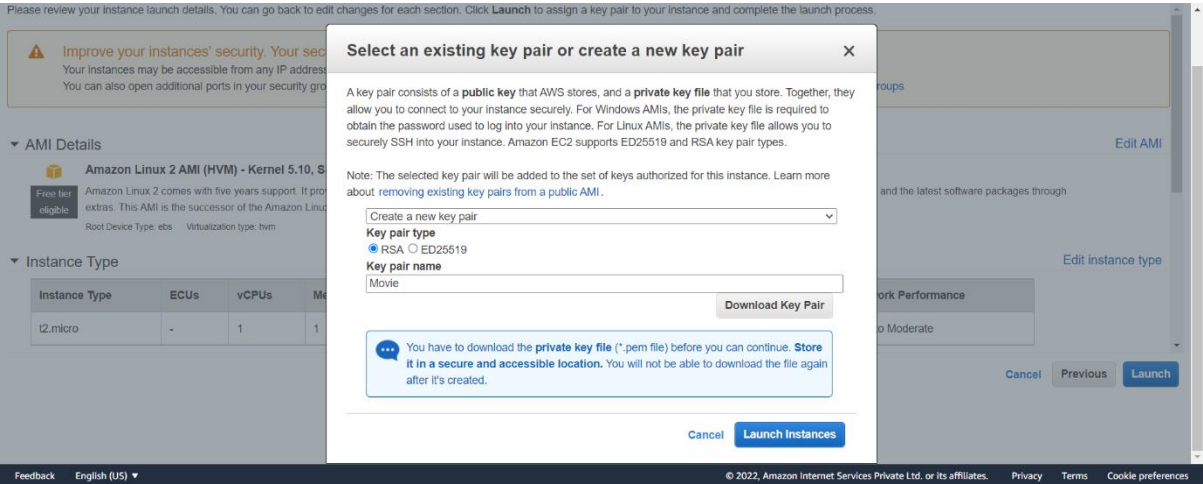
Sprint-4: My Movie Plan application all features is tested.

### **Recommended technologies**

Database management: MySQL

Backend development: Java programming, Eclipse, Spring Boot

Frontend development: JSP, Angular, Bootstrap, HTML/CSS.



You've been invited to try an early, beta iteration of the new launch instance wizard. We will continue to improve the experience over the next few months. We're asking customers for their feedback on this early release. To exit the new launch instance wizard at any time, choose the **Cancel** button.

[Try it now!](#)

1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review

## Step 1: Choose an Amazon Machine Image (AMI)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Search for an AMI by entering a search term e.g. "Windows"

Search by Systems Manager parameter

Quick Start

My AMIs

AWS Marketplace

Community AMIs

☐ Free tier only ⓘ

**Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type** - ami-0e1d30f2c40c4c701 (64-bit x86) / ami-0b6539181920009de (64-bit Arm)  
Amazon Linux 2 comes with five years support. It provides Linux kernel 5.10 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is now under maintenance only mode and has been removed from this wizard.  
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Select

**Amazon Linux 2 AMI (HVM) - Kernel 4.14, SSD Volume Type** - ami-01b20f5ea962e3fe7 (64-bit x86) / ami-07abb2766caea801b (64-bit Arm)  
Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is now under maintenance only mode and has been removed from this wizard.  
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Select

1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review

## Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: **All instance families** **Current generation** [Show/Hide Columns](#)

Currently selected: t2.micro (- ECUs, 1 vCPUs, 2.5 GHz, ~, 1 GiB memory, EBS only)

	Family	Type	vCPUs ⓘ	Memory (GiB)	Instance Storage (GB) ⓘ	EBS-Optimized Available ⓘ	Network Performance ⓘ	IPv6 Support ⓘ
<input type="checkbox"/>	t2	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	t2	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	t2	t2.2xlarge	8	32	EBS only	-	Moderate	Yes

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Configure Instance Details](#)

## Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All instance families Current generation Show/Hide Columns

Currently selected: t2.micro (- ECUs, 1 vCPUs, 2.5 GHz, -, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	t2	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	t2	t2.micro	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	t2	t2.2xlarge	8	32	EBS only	-	Moderate	Yes

Cancel Previous Review and Launch Next: Configure Instance Details

## Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances1Launch into Auto Scaling Group

Purchasing option

☐ Request Spot instances

Network

vpc-0b3c90492b679d756 (default)Create new VPC

Subnet

No preference (default subnet in any Availability Zone)Create new subnet

Auto-assign Public IP

Use subnet setting (Enable)

Hostname type

Use subnet setting (IP name)

DNS Hostname

☐ Enable IP name IPv4 (A record) DNS requests  
☒ Enable resource-based IPv4 (A record) DNS requests  
☐ Enable resource-based IPv6 (AAAA record) DNS requests

Placement group

☐ Add instance to placement group

Capacity Reservation

Open

Domain join directory

No directoryCreate new directory

Cancel Previous Review and Launch Next: Add Storage

## Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encryption
Root	/dev/xvda	snap-0b24702d996d654bc	8	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

Add New Volume

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

### Shared file systems

You currently don't have any file systems on this instance. Select "Add file system" button below to add a file system.

Add file system

Cancel Previous Review and Launch Next: Add Tags

## Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: ☒ Create a new security group  
☐ Select an existing security group

Security group name: launch-wizard-4  
Description: launch-wizard-4 created 2022-03-14T21:53:54.407+05:30

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop
HTTP	TCP	80	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop

Add Rule

**Warning**  
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Cancel Previous Review and Launch

## Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

**⚠ Improve your instances' security. Your security group, launch-wizard-4, is open to the world.**  
Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only.  
You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

### AMI Details

[Edit AMI](#)



#### Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type - ami-0e1d30f2c40c4c701

Amazon Linux 2 comes with five years support. It provides Linux kernel 5.10 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is n...

Root Device Type: ebs Virtualization type: hvm

### Instance Type

[Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	-	1	1	EBS only	-	Low to Moderate

### Security Groups

[Edit security groups](#)

[Cancel](#) [Previous](#) [Launch](#)

```
ng serve
Microsoft Windows [Version 10.0.22000.556]
(c) Microsoft Corporation. All rights reserved.

E:\My-Movie-Plan-Frontend-main>ng serve
Your global Angular CLI version (13.2.3) is greater than your local version (11.2.18). The local Angular CLI version is used.

To disable this warning use "ng config -g cli.warnings.versionMismatch false".
✓ Browser application bundle generation complete.

Initial Chunk Files | Names | Size
vendor.js           | vendor | 5.60 MB
main.js             | main   | 645.38 kB
polyfills.js        | polyfills | 475.00 kB
styles.css, styles.js | styles | 422.98 kB
runtime.js          | runtime | 6.15 kB

| Initial Total | 7.12 MB
```

## Register Here

☒ Agree to terms & conditions

Register

## Register Here

Enter your Email

Full Name

Phone Number

Password

Select Gender

☒ Agree to terms & conditions

[Register](#)

Designed & Developed by [Abhishek S](#)

## NOW PLAYING

[View All](#)

Invalid username or password

## Login Page

Enter your username

Enter your password

[Login](#)

Designed & Developed by [Riyaz J](#)

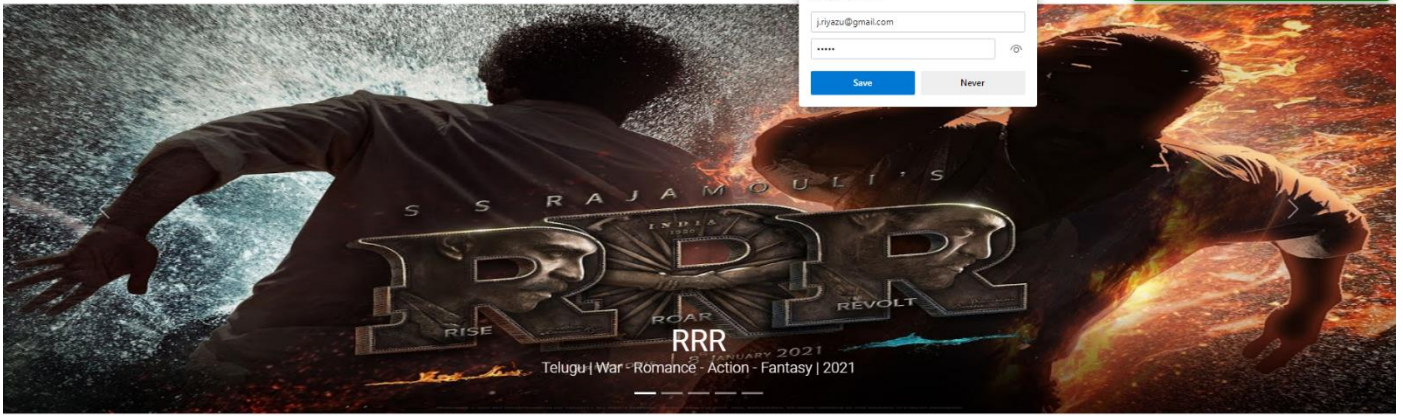


## Save password

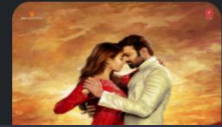
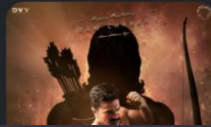
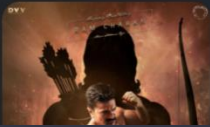
Microsoft Edge will save and fill your password for this site next time.

[Save](#)[Never](#)

Login Success

[OK](#)

## NOW PLAYING

[view all](#)

## Your profile

Name	Riyaz J
Email	j.riyazu@gmail.com
Mobile	8099531318
Gender	Male

NMS Cinemas

[Home](#)
[Movies](#)
[About Us](#)
[Contact Us](#)
[Admin Panel](#)

j.riyazu@gmail.com

Cinema Halls

INOX

PVR

GOPALAN GRAND MALL

Add Cinema Hall

Shows

Morning Show | Time: 11:00 AM


Matinee | Time: 02:00 PM

First Show | Time: 06:00 PM

Second Show | Time: 09:00 PM

Add Show

Movies



Rrr | lang: Telugu | start: June 2, 2021 | end: June 10, 2021

Add New Movie

Add Movie To The Show

## SHOW

Show

Now Playing

## FILTERS

Language

Clear

Genre

Clear

### Now Playing


[RRR](#)

[RRR](#)

[PUSHPA](#)





Now Playing

## PUSHPA : Pushpa

4D

Telugu

2H 30M . Crime, Action, Romance

Book Tickets

### About the Movie

Pushpa is an upcoming Indian Telugu-language action thriller film written and directed by Sukumar. Produced by Naveen



Now Playin

## PUSHPA : Pushpa

4D

Telugu

2H 30M . Crime, Action, Romance

Book Tickets

1

Select the Cinema Hall

2

Select the Show Timing

3

Select the Date

4

Select No.of seats

5

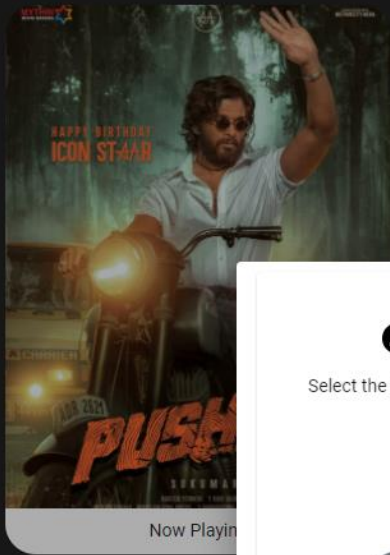
Review

Cinema Hall Name

Next

### About the Movie

Pushpa is an upcoming Indian Telugu-language action thriller film written and directed by Sukumar. Produced by Naveen



## PUSHPA : Pushpa

Now Playing

### About the Movie

- Select the Cinema Hall
- Select the Show Timing
- Select the Date
- Select No. of seats
- Review

1

2

3

4

5

Back next

Movie: PUSHPA

Seats Selected: F4, F5, F6, F7, E5

NOTE: do not refresh the page

Time: 06:00 PM

Date: Tuesday, June 15, 2021

Amount: 2000

Proceed

GOLD ₹500.00

J									
I									
H									

SILVER ₹400.00

G									
F									
E									
D									

EXECUTIVE ₹300.00

C									
B									
A									

Screen is this way

## Payment Gateway (do not refresh the page)

## Booking Details

Auditorium	INOX
Show	First Show
Show Timing	06:00 PM
Movie Name	PUSHPA
Movie Lang	Telugu
Date	Jun 15, 2021

Card Number

16 digit card number

Month

Select card expiry month

Year

select card expiry year

CVV



Pay ₹2,200.00

## Your booking list

Booking 1	2021-06-10
Booking 2	2021-06-10



PUSHPA

## INOX

Movie Language	Telugu
Total seats	5
Seat No.	F4, F5, F6, F7, E5
Price	₹2,000.00
Date	Jun 15, 2021
Time	06:00 PM
Status	Confirmed

## REGISTER NEW AUDITORIUM HERE

## 1 Auditorium Details

Name

Image URL

Seating Capacity

100

Email Id

Customer Care Number

Address

Next

Add Safeties

## ADD NEW MOVIE

1 Movie Details

2 Add Language

3 Add Language

4 Add Cast Details

5 Add Crew Details

6 Review

ABC Cinemas  
WE PROVIDE ENTERTAINMENT

## About Us

22 years ago in South Africa a seed of an idea was planted, a dream was shared. Inception happened. 22 years on, we look back at what we've built. Leave it up to us, and we'd love to do it all over again. Here's our story

Contact Us  
DROP US A LINE, GET IN TOUCH

Write to us by filling in the form below

## Contact Us



SPI Network Limited, 25, Mamatha Complex, 5th Floor,  
Whites Rd, Royapettah, Chennai, Tamil Nadu 600014

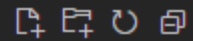


ABC@cinemas.com



044 4392 0301

MY-MOVIE-PLAN



- > .vscode
- > e2e
- > images
- > node\_modules
- ▼ src
  - ▼ app
    - ▼ classes
      - > util
      - > validators
      - > commons
    - ▼ components
      - > about-us
      - > auditorium-form
      - > contact-us
      - > footer
      - > forgot-password
      - > header
      - > home-page
      - > layout
      - > login
      - > login-layout
      - > manage
      - > movie
      - > movie-form
      - > movies
      - > my-bookings
      - > profile
      - > register
      - > templates
    - ▼ guards
      - > admin
      - > auth
      - > form
    - ▼ img
    - > interfaces
    - > pipes
    - ▼ services
      - > alert
      - > application
      - > auth
      - > global

&gt; interfaces

&gt; pipes

v services

&gt; alert

&gt; application

&gt; auth

&gt; global

&gt; token-interceptor

&gt; user

app-routing.module.ts

app.component.css

app.component.html

app.component.spec.ts

app.component.ts

app.module.ts

&gt; assets

&gt; environments

favicon.ico

index.html

main.ts

polyfills.ts

styles.css

test.ts

.browserslistrc

.dockerignore

.editorconfig

.gitignore

angular.json

docker-compose.yml

Dockerfile

Jenkinsfile

karma.conf.js

nginx.conf

package-lock.json

package.json

README.md

tsconfig.app.json

tsconfig.json

tsconfig.spec.json

tslint.json



my-movie-plan-backend D:\Programs\Simplilearn\Projects\capstone\myMoviePlan\my-mov

- > .idea
- > .mvn
- images
- src
  - main
    - java
      - com.MyMoviePlan
        - config
          - InitialData
        - controller
          - AuditoriumController
          - BookingController
          - MovieController
          - MovieShowController
          - ShowController
          - UserController
        - entity
          - ActorEntity
          - AuditoriumEntity
          - BookingDetailsEntity
          - BookingEntity
          - MovieEntity
          - MovieShowsEntity
          - PaymentEntity
          - PriceEntity
          - ShowEntity
          - UserEntity
        - exception
          - AuditoriumNotFoundException
          - BookingNotFoundException
          - GlobalExceptionHandler
          - MovieNotFoundException
          - MovieShowNotFoundException
          - ShowNotFoundException
          - UnauthorizedException
          - UserNotFoundException
        - filter
          - JWTFilter
        - model
          - BookedSeats
          - Credentials
          - HttpResponse
          - TicketDetails
          - Token
          - UserPermission
          - UserRole
        - repository
          - ActorRepository
          - AuditoriumRepository

- model
  - BookedSeats
  - Credentials
  - HttpResponse
  - TicketDetails
  - Token
  - UserPermission
  - UserRole
- repository
  - ActorRepository
  - AuditoriumRepository
  - BookingRepository
  - MovieRepository
  - MovieShowsRepository
  - PaymentRepository
  - PriceRepository
  - ShowRepository
  - UserRepository
- security
  - ApplicationSecurity
  - ApplicationUserDetails
  - ApplicationUserDetailsService
- service
  - BookingDetailsRepository
  - UserService
- util
  - BeanSupplier
  - JWTUtil
  - MyMoviePlanApplication
  - ServletInitializer
- resources
  - static
  - templates
  - application.properties
  - application-dev.properties
  - application-prod.properties
  - application-test.properties

> test

> target

- .gitignore
- docker-compose.yml
- Dockerfile
- Dockerfile-mysql
- HELP.md
- Jenkinsfile
- mvnw
- mvnw.cmd
- my-movie-plan-backend.iml
- pom.xml
- README.md

## **Links to the GitHub repository to verify the project completion**

For source code please use GitHub link.

[https://github.com/Svsai97/MyMoviePlan\\_CapstoneProject.git](https://github.com/Svsai97/MyMoviePlan_CapstoneProject.git)