PRACTICAL ON CLOUD NATIVE APPLICATION

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Roll No.: B40

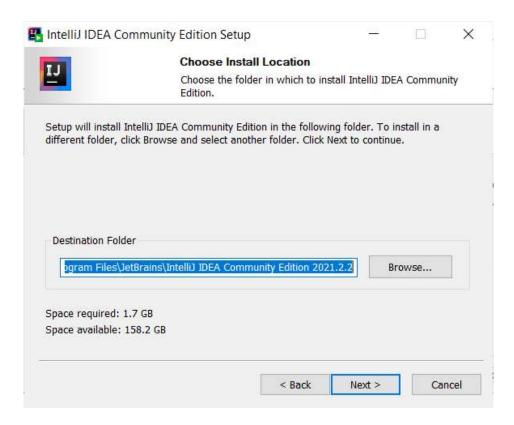
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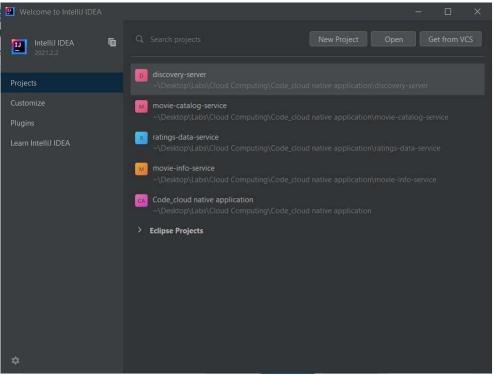
Problem Statement: To develop an application using cloud native approach with microservice technique.

OUTPUT

1. Install an IDE - IntelliJ IDEA

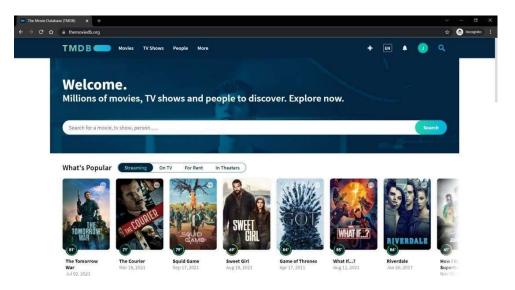




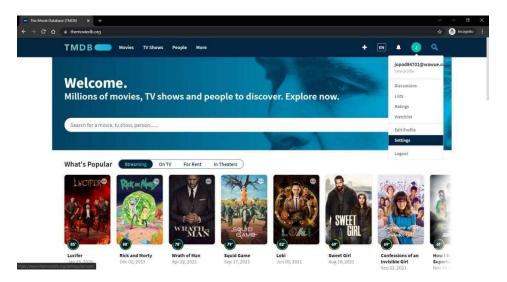


2. Add API key from MovieDB website

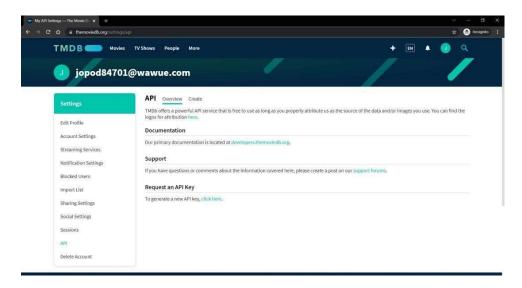
a) Open given link: https://www.themoviedb.org/



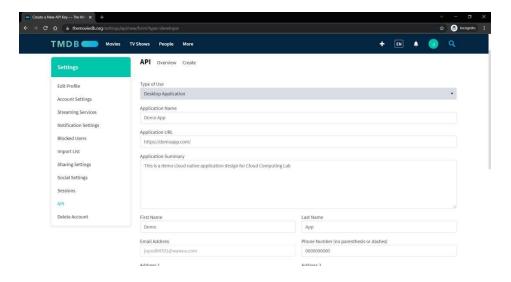
- b) Sign up if account is not created and then do login
- c) Click on Setting option as shown in figure below:



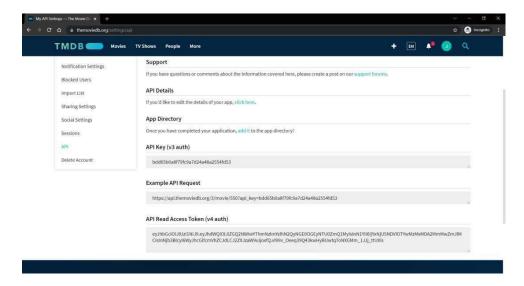
d) Go to API section



e) This will ask for details regarding the application that you are developing. Add the details then it will generate API key for you.



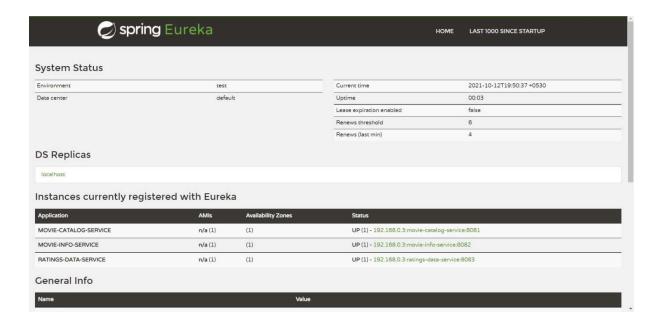
f) Copy the generated API key



g) Add this API key in application. Properties in movieinfo-service component

Implementation

1. **Eureka server** - This Eureka Server contains all the details regarding the components that are running of a particular application and also shows thenumber of instances that are running for each service.



2. The movie-catalog-service can be run which will call a certain API and it displays the information regarding the movie and its rating entered by that particular user. Output is displayed in localhost. Simply write localhost/port-no/user ID where port-no is the port number allocated to run this particular service and user ID is the Id of the user for whom we want to know the details.

[{"name":"Lock, Stock and Two Smoking Barrels","desc":"A card shark and his unwillingly-enlisted friends need to make a lot of cash quick after losing a sketchy poker match. To do this they decide to pull a heist on a small-time gang who happen to be operating out of the flat next door.","rating":3}, {"name":"Star Trek: Insurrection","desc":"When an alien race and factions within Starfleet attempt to take over a planet that has \"regenerative\" properties, it falls upon Captain Picard and the crew of the Enterprise to defend the planet's people as well as the very ideals upon which the Federation itself was founded.","rating":4}]

3. The movie-info-service can be run which will call a certain API and it displays the information regarding the movie. Output is displayed in localhost. It shows the movie id, name of the movie, and it's description.

movieId":"69","name":"Walk the Line","description":"A chronicle Fe, from his early days on an Arkansas cotton farm to his rise t		Johnny Cash's
fe, from his early days on an Arkansas cotton farm to his rise t		
	to tame with Sun Records	in Memphis.
re he recorded alongside Elvis Presley, Jerry Lee Lewis and Car		
,	,	

4. The **ratings-data-service** can be run which will call a certain API and it displays the information regarding the number of ratings a movie has received. Output is displayed in localhost.

{"movieId":"69","rating":4}		

5.	The ratings-data-service can also be used to display the
	information regarding a particular user and all the ratings he
	has given. Output is displayed in localhost.

```
{"userId":"1","ratings":[{"movieId":"100","rating":3},{"movieId":"200","rating":4}]}
```

*** END **