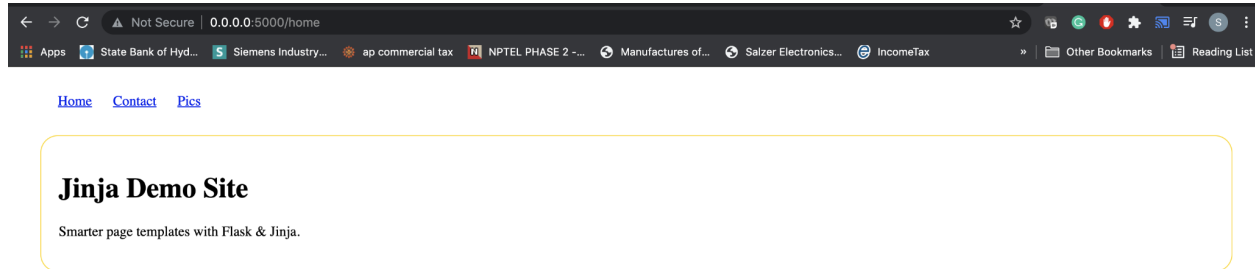


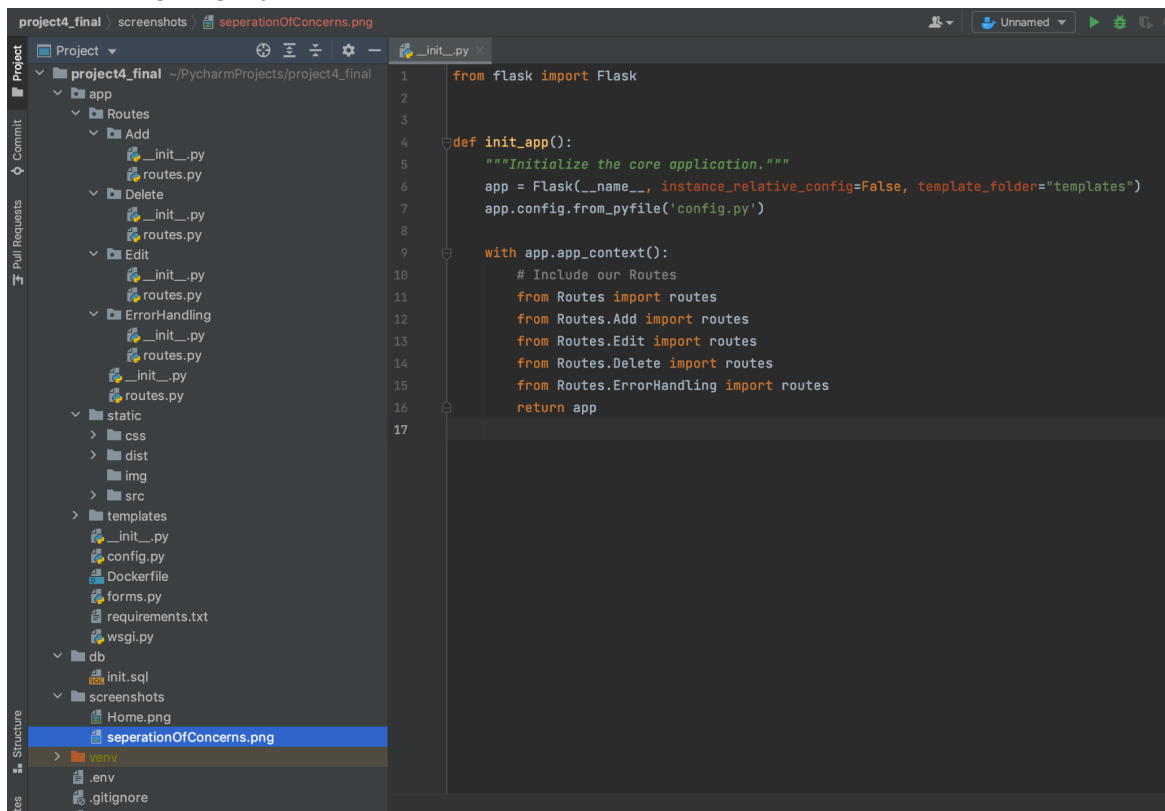
# Project4 - Final - Oscar Award Project - Best Actor

## 1. Demo Site as per the article



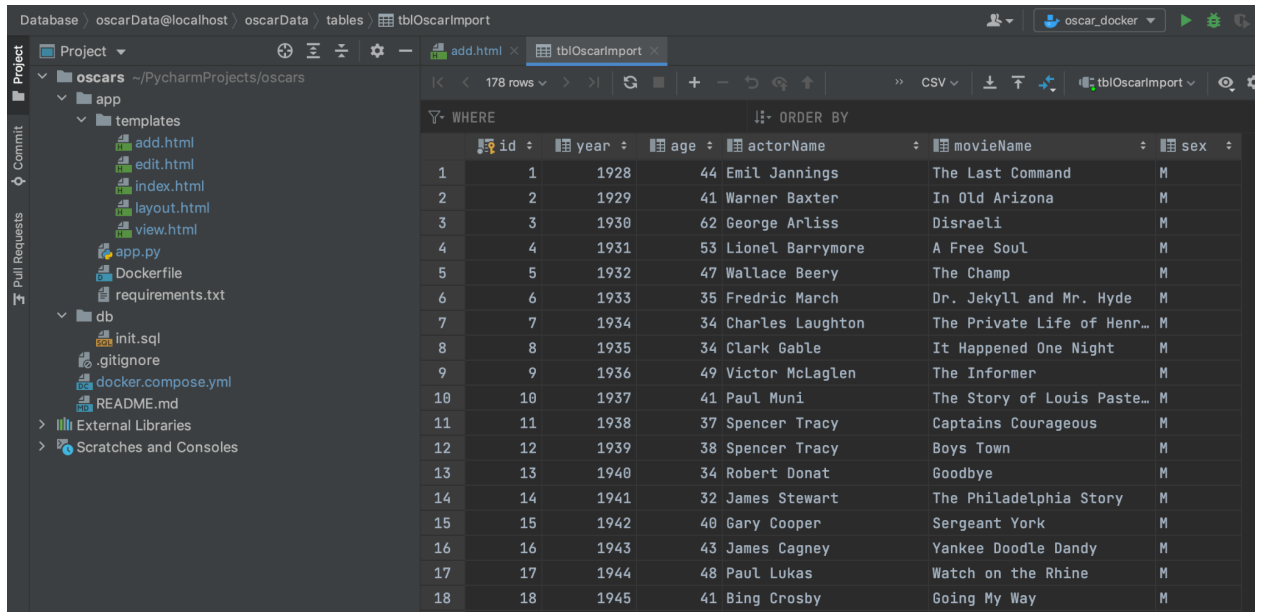
## 2. Separation of Concerns

- Used Flask Framework
- Rendered pages using Jinja
- Moved all the configuration data into config file.
- Separated the routes accordingly into separate categories(Ex: add,edit,delete)
- Used to concept of Demystifying Flask's Application Factory and started the app using wsgi.py



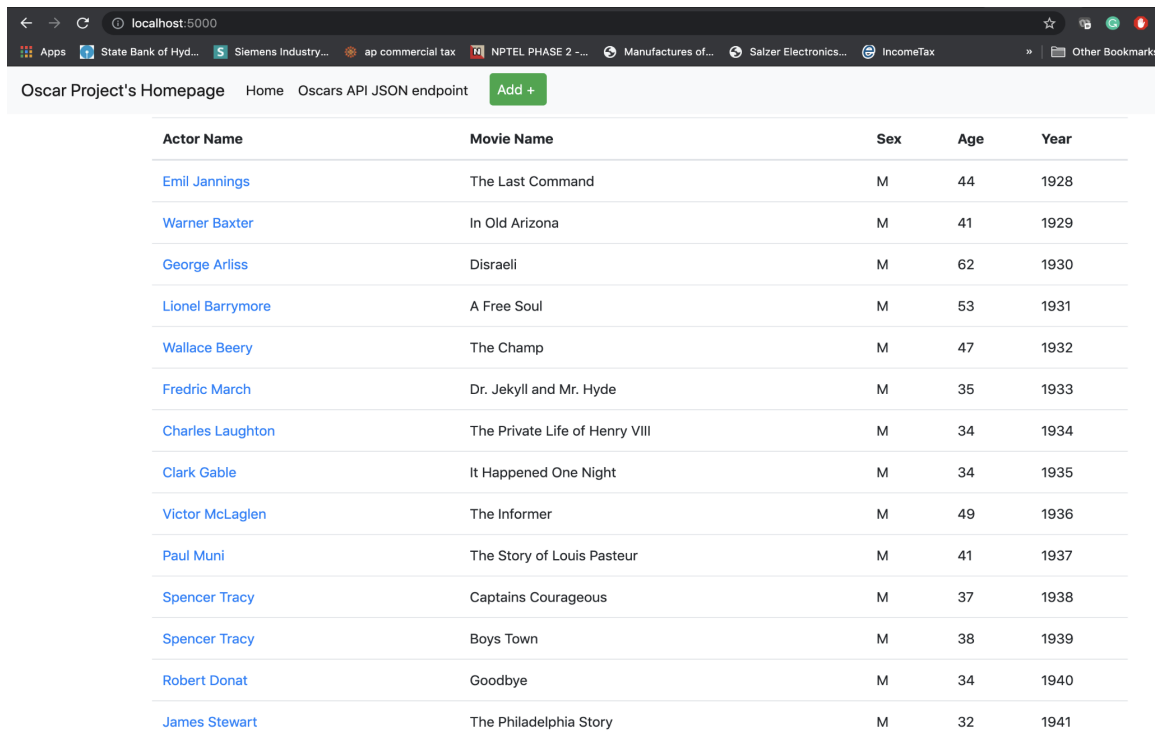
2.

a. Oscar Awards Table:



	id	year	age	actorName	movieName	sex
1	1	1928	44	Emil Jannings	The Last Command	M
2	2	1929	41	Warner Baxter	In Old Arizona	M
3	3	1930	62	George Arliss	Disraeli	M
4	4	1931	53	Lionel Barrymore	A Free Soul	M
5	5	1932	47	Wallace Beery	The Champ	M
6	6	1933	35	Fredric March	Dr. Jekyll and Mr. Hyde	M
7	7	1934	34	Charles Laughton	The Private Life of Henry VIII	M
8	8	1935	34	Clark Gable	It Happened One Night	M
9	9	1936	49	Victor McLaglen	The Informer	M
10	10	1937	41	Paul Muni	The Story of Louis Pasteur	M
11	11	1938	37	Spencer Tracy	Captains Courageous	M
12	12	1939	38	Spencer Tracy	Boys Town	M
13	13	1940	34	Robert Donat	Goodbye	M
14	14	1941	32	James Stewart	The Philadelphia Story	M
15	15	1942	40	Gary Cooper	Sergeant York	M
16	16	1943	43	James Cagney	Yankee Doodle Dandy	M
17	17	1944	48	Paul Lukas	Watch on the Rhine	M
18	18	1945	41	Bing Crosby	Going My Way	M

b. Home Page:



Actor Name	Movie Name	Sex	Age	Year
<a href="#">Emil Jannings</a>	The Last Command	M	44	1928
<a href="#">Warner Baxter</a>	In Old Arizona	M	41	1929
<a href="#">George Arliss</a>	Disraeli	M	62	1930
<a href="#">Lionel Barrymore</a>	A Free Soul	M	53	1931
<a href="#">Wallace Beery</a>	The Champ	M	47	1932
<a href="#">Fredric March</a>	Dr. Jekyll and Mr. Hyde	M	35	1933
<a href="#">Charles Laughton</a>	The Private Life of Henry VIII	M	34	1934
<a href="#">Clark Gable</a>	It Happened One Night	M	34	1935
<a href="#">Victor McLaglen</a>	The Informer	M	49	1936
<a href="#">Paul Muni</a>	The Story of Louis Pasteur	M	41	1937
<a href="#">Spencer Tracy</a>	Captains Courageous	M	37	1938
<a href="#">Spencer Tracy</a>	Boys Town	M	38	1939
<a href="#">Robert Donat</a>	Goodbye	M	34	1940
<a href="#">James Stewart</a>	The Philadelphia Story	M	32	1941

c. View of record:

The screenshot shows a web browser at localhost:5000/view/89. The browser's address bar and tabs are visible. Below the browser, there is a navigation bar with 'Home', 'Oscars API JSON endpoint', and an 'Add +' button. The main content area displays a record for 'Leonardo DiCaprio - The Revenant'. The record is shown in a table-like format with the following fields: 'The Revenant', 'M', '41', and '2016'. Below the table, there is a blue 'edit' button and a red 'Delete' button.

Leonardo DiCaprio - The Revenant	
The Revenant	
M	
41	
2016	

[edit](#)

[Delete](#)

d. Addition of record:

The screenshot shows a web browser at localhost:5000/oscars/new. The browser's address bar and tabs are visible. Below the browser, there is a navigation bar with 'Home', 'Oscars API JSON endpoint', and an 'Add +' button. The main content area displays a form to add a new record. The form has five input fields: 'Actor Name' (Casey Affleck), 'Movie Name' (La La Land), 'Sex' (M), 'Age' (42), and 'Year' (2017). Below the form, there is a green 'Success1' button.

Actor Name	Movie Name	Sex	Age	Year
Casey Affleck	La La Land	M	42	2017

[Success1](#)

Halle Berry	Monsters Ball	F	35	2002
Nicole Kidman	The Hours	F	35	2003
Charlize Theron	Monster	F	28	2004
Hilary Swank	Million Dollar Baby	F	30	2005
Reese Witherspoon	Walk the Line	F	29	2006
Helen Mirren	The Queen	F	61	2007
Marion Cotillard	La Vie en rose	F	32	2008
Kate Winslet	The Reader	F	33	2009
Sandra Bullock	The Blind Side	F	45	2010
Natalie Portman	Black Swan	F	29	2011
Meryl Streep	The Iron Lady	F	62	2012
Jennifer Lawrence	Silver Linings Playbook	F	22	2013
Cate Blanchett	Blue Jasmine	F	44	2014
Julianne Moore	Still Alice	F	54	2015
Brie Larson	Room	F	26	2016
Casey Affleck	La La Land	M	42	2017

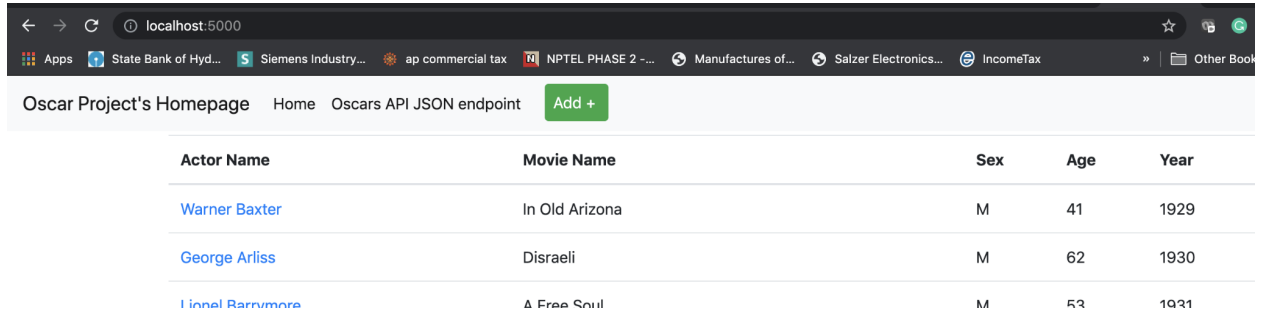
e. Updated record:

Changed Age

Oscar Project's Homepage   Home   Oscars API JSON endpoint <button>Add +</button>				
Actor Name	Movie Name	Sex	Age	Year
Emil Jannings	The Last Command	M	43	1928

## f. Deleted Record

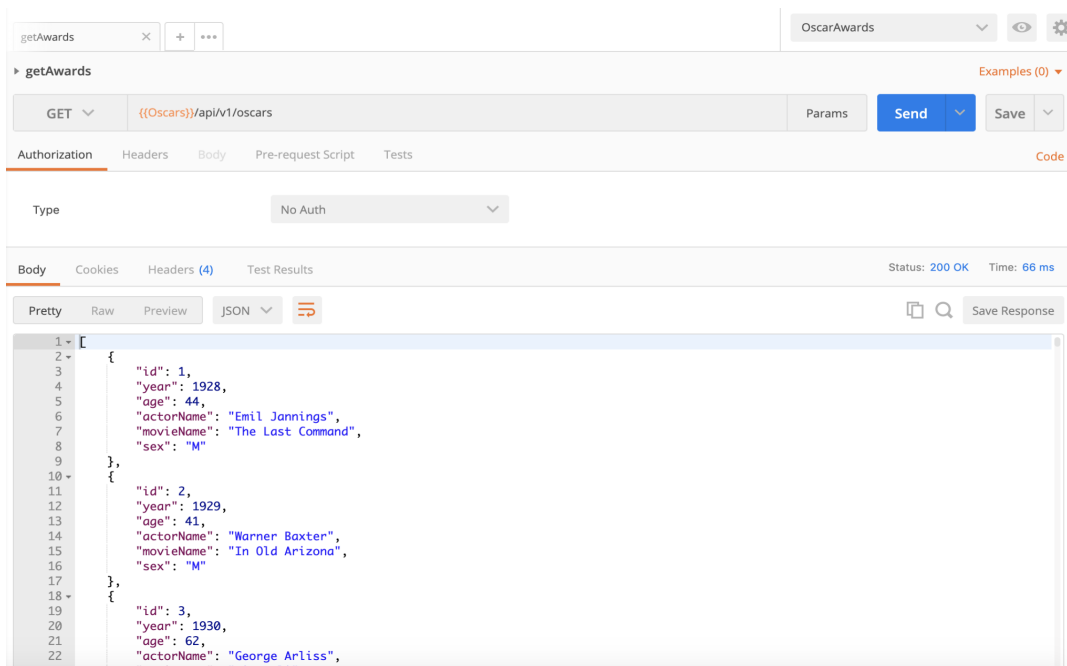
Deleted the record “Emil Jannings - The Last Command”



Actor Name	Movie Name	Sex	Age	Year
<a href="#">Warner Baxter</a>	In Old Arizona	M	41	1929
<a href="#">George Arliss</a>	Disraeli	M	62	1930
<a href="#">Linnell Barrimore</a>	A Free Soul	M	53	1931

## POSTMAN SCREENSHOTS

GET Request to get all the oscar award list



getAwards

OscarAwards

getAwards

GET

{{Oscars}}/api/v1/oscars

Params

Send

Save

Authorization

Headers

Body

Pre-request Script

Tests

Type

No Auth

Body

Cookies

Headers (4)

Test Results

Status: 200 OK

Time: 66 ms

Pretty

Raw

Preview

JSON

Save Response

```
[{"id": 1, "year": 1928, "age": 44, "actorName": "Emil Jannings", "movieName": "The Last Command", "sex": "M"}, {"id": 2, "year": 1929, "age": 41, "actorName": "Warner Baxter", "movieName": "In Old Arizona", "sex": "M"}, {"id": 3, "year": 1930, "age": 62, "actorName": "George Arliss", "movieName": "Disraeli", "sex": "M"}]
```

## GET Request to get one record from the list

The screenshot shows a REST client interface with a collection named 'getAwards'. A GET request is configured with the URL `{{Oscars}}/api/v1/oscars/33`. The 'Authorization' tab is selected, showing 'No Auth'. The 'Body' tab is also visible, showing the response in JSON format. The status is 200 OK and the time taken is 31 ms.

```
[{"id": 33, "year": 1960, "age": 36, "actorName": "Charlton Heston", "movieName": "Ben - Hur", "sex": "M"}]
```

## Adding a new award to the existing list using POST

The screenshot shows a REST client interface with a collection named 'getAwards'. A POST request is configured with the URL `{{Oscars}}/api/v1/oscars`. The 'Body' tab is selected, showing the request body in JSON format. The status is 200 OK and the time taken is 45 ms.

```
{ "year": 2017, "age": 42, "actorName": "Casey Affleck", "movieName": "La La Land", "sex": "M" }
```

The response body shows the newly added record:

```
[{"id": 179, "year": 2017, "age": 42, "actorName": "Casey Affleck", "movieName": "La La Land", "sex": "M"}]
```

## Editing a record by using PUT request

The screenshot shows a REST client interface for a collection named `getAwards`. The request method is `PUT` and the URL is `{{Oscars}}/api/v1/oscars/178`. The request body is a JSON object representing an Oscar record for the year 2016.

**Request Body:**

```
{
  "year": 2016,
  "age": 26,
  "actorName": "Brianne Sidonie Desaulniers",
  "movieName": "Room",
  "sex": "F"
}
```

The response is shown in the bottom panel, displaying a JSON array with one object:

```
[
  {
    "id": 178,
    "year": 2016,
    "age": 26,
    "actorName": "Brianne Sidonie Desaulniers",
    "movieName": "Room",
    "sex": "F"
  }
]
```

Status: 200 OK, Time: 28 ms

## Deleting a record using DELETE request

The screenshot shows a REST client interface for a collection named `OscarAwards`. The request method is `DELETE` and the URL is `{{Oscars}}/api/v1/oscars/1`. The request body is empty.

**Request Body:**

```
[
  {
    "id": 2,
    "year": 1929,
    "age": 41,
    "actorName": "Warner Baxter",
    "movieName": "In Old Arizona",
    "sex": "M"
  },
  {
    "id": 3,
    "year": 1930,
    "age": 62,
    "actorName": "George Arliss",
    "movieName": "Disraeli",
    "sex": "M"
  }
]
```

Status: 200 OK, Time: 37 ms