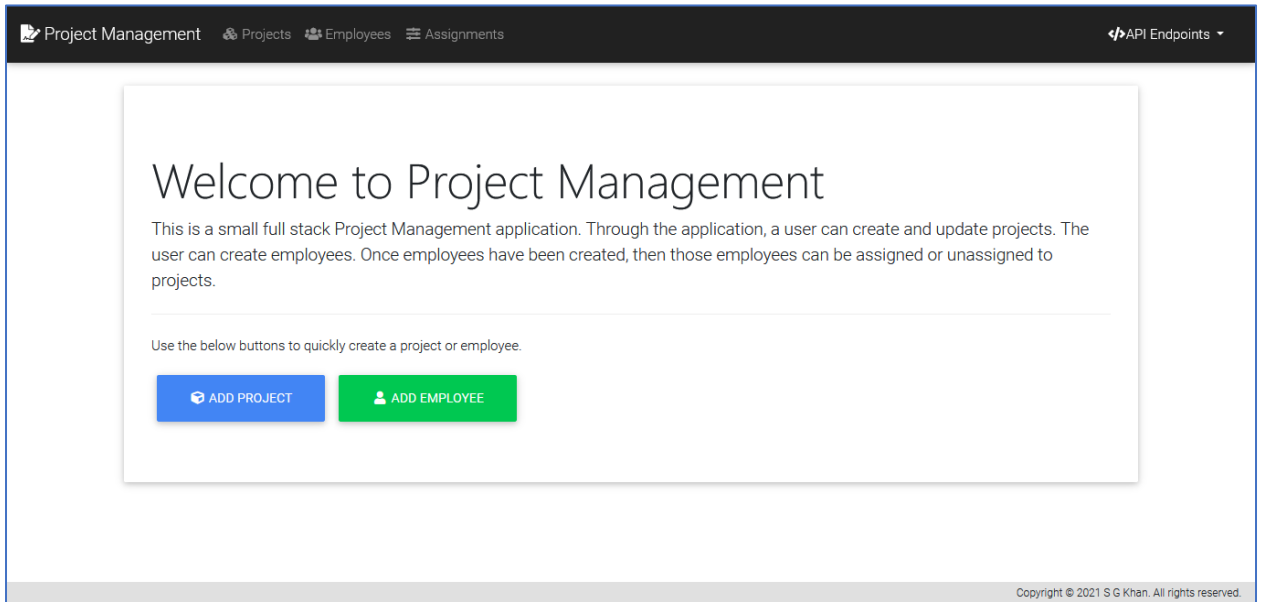
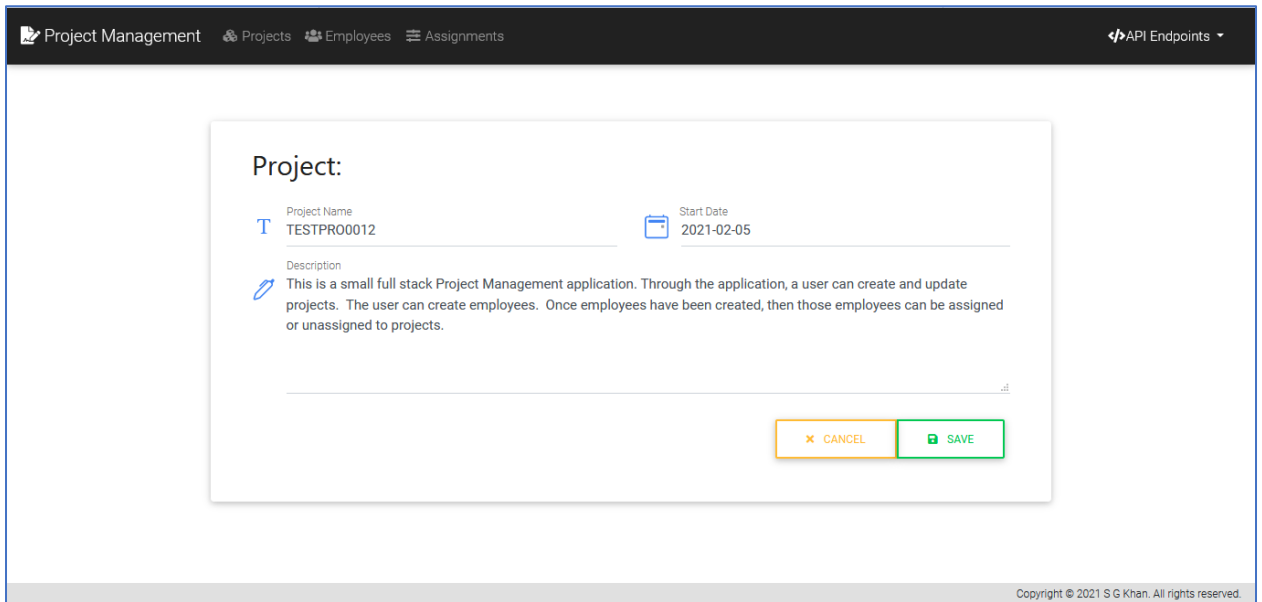


Project Management Application

1. Run the application in your local environment. You should see the Home Page (<http://127.0.0.1:8000/>)



2. Click in the “Add Project” button to quickly create a project.



- Once a Project is added, you should be redirected to Project Listing page. You can see the project you have created listed here.

The screenshot shows the 'Project Listing' page of a web application. The top navigation bar includes 'Project Management', 'Projects', 'Employees', 'Assignments', and 'API Endpoints'. A 'NEW PROJECT' button is visible. The main content area is titled 'Project List:' and features a table with columns for Project ID, Project Name, and Start Date. The table contains 7 entries, with the entry for Project ID 544 (TESTPRO0012) highlighted by a red border. Below the table, it says 'Showing 1 to 7 of 7 entries'. A pagination bar at the bottom right shows 'Previous', '1', and 'Next'.

| Project ID | Project Name | Start Date |
|------------|--------------|---------------|
| 132 | APIPRO0002 | Feb. 3, 2021 |
| 133 | TESTPRO0004 | Jan. 30, 2021 |
| 238 | TESTPRO0005 | Jan. 30, 2021 |
| 544 | TESTPRO0012 | Feb. 5, 2021 |
| 554 | TESTPRO0001 | Jan. 31, 2021 |
| 564 | TESTPRO0003 | Jan. 31, 2021 |
| 970 | TESTPRO0002 | Jan. 30, 2021 |

- Now let's quickly add an Employee, you can do the same steps. Go to Home page and click on "Add Employee" button. You should see the Employee Form.

The screenshot shows the 'Employee' form in a web application. The top navigation bar is the same as the previous screenshot. The main content area is titled 'Employee:' and contains a form with a 'Full Name' field. The name 'Shufyan Ghani Khan' is entered in the field. Below the form, there are two buttons: 'CANCEL' and 'SAVE'.

Employee:

Full Name
Shufyan Ghani Khan

CANCEL SAVE

5. Once an Employee is added, you should be redirected to Employee Listing page. You can see the employee you have created listed here.

The screenshot shows the 'Employee List' page. At the top, there's a navigation bar with 'Project Management', 'Projects', 'Employees', and 'Assignments'. A 'NEW EMPLOYEE' button is in the top left. The main header is 'Employee List:'. Below it, there's a 'Show 10 entries' dropdown and a 'Search:' input field. The table has two columns: 'Employee ID' and 'Full Name'. The data rows are:

| Employee ID | Full Name |
|-------------|------------------------|
| b2TZVX | Employee |
| BgeoWh | Fifth Employee Updated |
| fn5YIM | Third Employee |
| PTf6Sn | Second Employee |
| RkqUqP | Shufyan Ghani Khan |
| Y00xyg | First Employee |
| ZaQ9is | Seventh Employee New |

At the bottom, it says 'Showing 1 to 7 of 7 entries' and has 'Previous', '1', and 'Next' pagination links. A copyright notice 'Copyright © 2021 S G Khan. All rights reserved.' is at the very bottom.

6. Now let's assign the employee to the project you have created. Go to the "Assignments" link from the top navigation.
- a. You should be landed to the below screen, here all project-employee assignments can be seen.

The screenshot shows the 'Project Assignment List' page. At the top, there's a navigation bar with 'Project Management', 'Projects', 'Employees', and 'Assignments'. Below the navigation bar, there are two dropdown menus: '- Select Project -' and '- Select Employee -', followed by a green 'SUBMIT' button. The main header is 'Project Assignment List:'. Below it, there's a 'Show 10 entries' dropdown and a 'Search:' input field. The table has four columns: 'ID', 'Project', 'Employee', and an action column. The data rows are:

| ID | Project | Employee | |
|----|-------------------|---------------------------------|--------|
| 5 | 133 - TESTPRO0004 | Y00xyg - First Employee | DELETE |
| 14 | 238 - TESTPRO0005 | Y00xyg - First Employee | DELETE |
| 15 | 554 - TESTPRO0001 | Y00xyg - First Employee | DELETE |
| 19 | 238 - TESTPRO0005 | BgeoWh - Fifth Employee Updated | DELETE |

At the bottom, it says 'Showing 1 to 4 of 4 entries' and has 'Previous', '1', and 'Next' pagination links. A copyright notice 'Copyright © 2021 S G Khan. All rights reserved.' is at the very bottom.

7. Try to assign the newly added employee to the new project you just added.
- a. Choose the Project from the Dropdown.

The screenshot shows a web form with two dropdown menus and a green 'SUBMIT' button. The first dropdown menu, labeled '- Select Project -', is open, displaying a list of project IDs and names. The second dropdown menu, labeled '- Select Employee -', is closed. Below the dropdowns, there is a table with a blue header 'Project Assignment List:'. The table has two columns: 'Project' and 'Employee'. The first row shows '132 - APIPRO0002' in the Project column and 'Y00xyg - First Employee' in the Employee column. The second row shows '133 - TESTPRO0004' in the Project column and 'Y00xyg - First Employee' in the Employee column. The third row shows '238 - TESTPRO0005' in the Project column and 'Y00xyg - First Employee' in the Employee column. The fourth row shows '544 - TESTPRO0012' in the Project column and 'Y00xyg - First Employee' in the Employee column. The fifth row shows '554 - TESTPRO0001' in the Project column and 'Y00xyg - First Employee' in the Employee column. The sixth row shows '564 - TESTPRO0003' in the Project column and 'Y00xyg - First Employee' in the Employee column. The seventh row shows '970 - TESTPRO0002' in the Project column and 'Y00xyg - First Employee' in the Employee column.

| Project | Employee |
|-------------------|-------------------------|
| 132 - APIPRO0002 | Y00xyg - First Employee |
| 133 - TESTPRO0004 | Y00xyg - First Employee |
| 238 - TESTPRO0005 | Y00xyg - First Employee |
| 544 - TESTPRO0012 | Y00xyg - First Employee |
| 554 - TESTPRO0001 | Y00xyg - First Employee |
| 564 - TESTPRO0003 | Y00xyg - First Employee |
| 970 - TESTPRO0002 | Y00xyg - First Employee |

- b. Choose the Employee from the dropdown.

The screenshot shows a web form with two dropdown menus and a green 'SUBMIT' button. The first dropdown menu, labeled '- Select Project -', is closed. The second dropdown menu, labeled '- Select Employee -', is open, displaying a list of employee IDs and names. Below the dropdowns, there is a table with a blue header 'Project Assignment List:'. The table has two columns: 'Project' and 'Employee'. The first row shows '132 - APIPRO0002' in the Project column and 'Y00xyg - First Employee' in the Employee column. The second row shows '133 - TESTPRO0004' in the Project column and 'Y00xyg - First Employee' in the Employee column. The third row shows '238 - TESTPRO0005' in the Project column and 'Y00xyg - First Employee' in the Employee column. The fourth row shows '544 - TESTPRO0012' in the Project column and 'Y00xyg - First Employee' in the Employee column. The fifth row shows '554 - TESTPRO0001' in the Project column and 'Y00xyg - First Employee' in the Employee column. The sixth row shows '564 - TESTPRO0003' in the Project column and 'Y00xyg - First Employee' in the Employee column. The seventh row shows '970 - TESTPRO0002' in the Project column and 'Y00xyg - First Employee' in the Employee column.

| Project | Employee |
|-------------------|-------------------------|
| 132 - APIPRO0002 | Y00xyg - First Employee |
| 133 - TESTPRO0004 | Y00xyg - First Employee |
| 238 - TESTPRO0005 | Y00xyg - First Employee |
| 544 - TESTPRO0012 | Y00xyg - First Employee |
| 554 - TESTPRO0001 | Y00xyg - First Employee |
| 564 - TESTPRO0003 | Y00xyg - First Employee |
| 970 - TESTPRO0002 | Y00xyg - First Employee |

8. Click on the “Submit” button. You will notice, the new assignment is created and can be seen in below table.

- Select Project -

- Select Employee -

SUBMIT

Project Assignment List:

Show 10 entries

Search:

| ID | Project | Employee | |
|----|-------------------|---------------------------------|--------|
| 5 | 133 - TESTPRO0004 | Y00xyg - First Employee | DELETE |
| 14 | 238 - TESTPRO0005 | Y00xyg - First Employee | DELETE |
| 15 | 554 - TESTPRO0001 | Y00xyg - First Employee | DELETE |
| 19 | 238 - TESTPRO0005 | BgeoWh - Fifth Employee Updated | DELETE |
| 20 | 544 - TESTPRO0012 | RkqUqP - Shufyan Ghani Khan | DELETE |

Showing 1 to 5 of 5 entries

Previous1Next

9. If you wish to un assign this employee, just press the “Delete” button. This will ask for confirmation. Press “Confirm”

Project Management

Projects

Employees

Assignments

API Endpoints

Are you sure you want to delete the project assignment of **Employee: RkqUqP - Shufyan Ghani Khan** from **Project: 544 - TESTPRO0012** ?

CANCEL

CONFIRM

10. You will notice the assignment is successfully removed.

- Select Project -

- Select Employee -

SUBMIT

Project Assignment List:

Show 10 entries

Search:

| ID | Project | Employee | |
|----|-------------------|---------------------------------|--------|
| 5 | 133 - TESTPRO0004 | Y00xyg - First Employee | DELETE |
| 14 | 238 - TESTPRO0005 | Y00xyg - First Employee | DELETE |
| 15 | 554 - TESTPRO0001 | Y00xyg - First Employee | DELETE |
| 19 | 238 - TESTPRO0005 | BgeoWh - Fifth Employee Updated | DELETE |

Showing 1 to 4 of 4 entries

Previous 1 Next

11. Some quick links to navigate to browsable API's.

Project Management

Projects

Employees

Assignments

API Endpoints

DRF

Swagger

Redoc

Welcome to Project Management

This is a small full stack Project Management application. Through the application, a user can create and update projects. The user can create employees. Once employees have been created, then those employees can be assigned or unassigned to projects.

Use the below buttons to quickly create a project or employee.

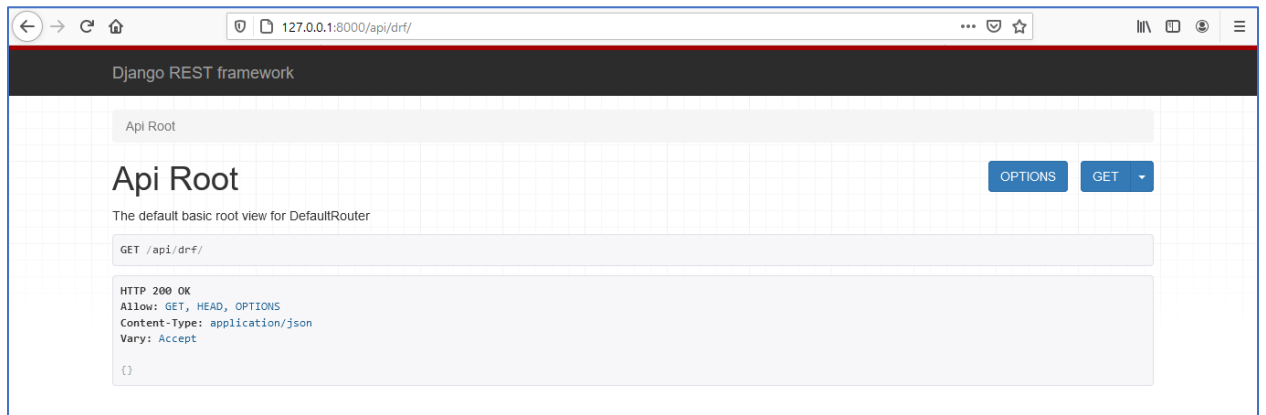
ADD PROJECT

ADD EMPLOYEE

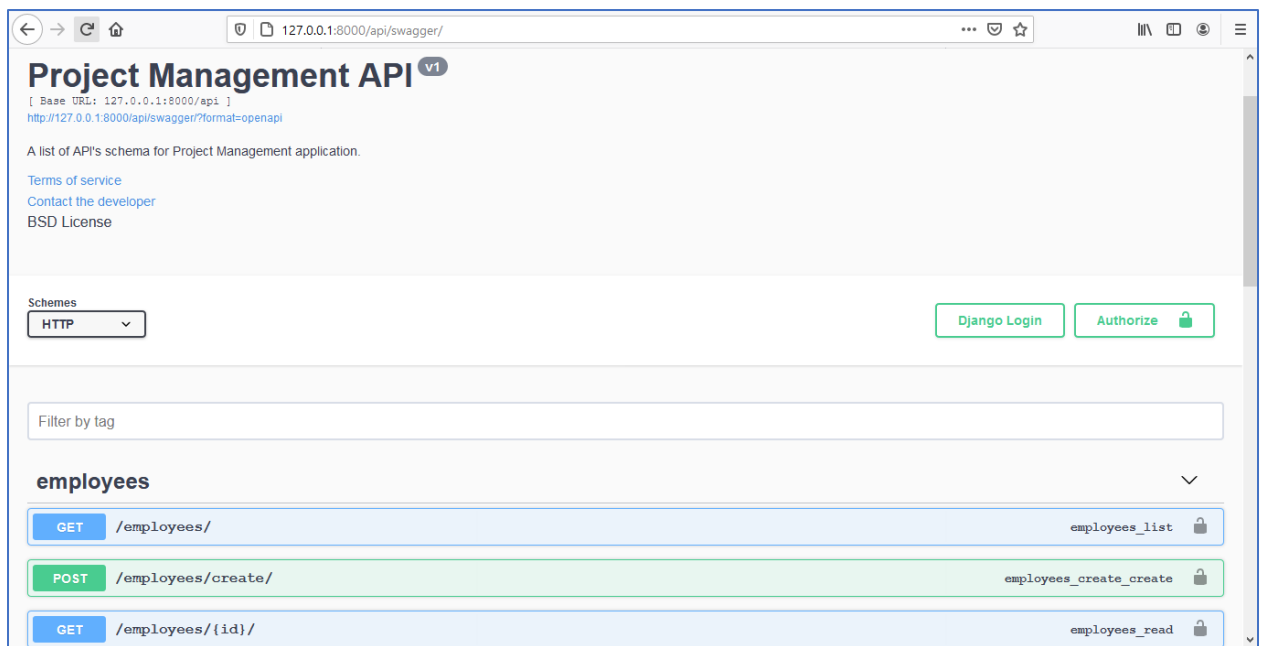
127.0.0.1:8000/api/dr/

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12. Django Rest Framework Screen.



13. Swagger Screen.



14. Redoc Screen for API Schema.

The screenshot displays the Redoc API documentation interface for the `employees_list` endpoint. The browser address bar shows the URL `127.0.0.1:8000/api/redoc/#operation/employees_list`.

Left Sidebar: A navigation menu with a search bar and a list of API endpoints. The `employees` category is expanded, showing the `employees_list` endpoint selected. Other endpoints include `employees_create_create`, `employees_read`, `employees_delete_delete`, `employees_update_update`, `employees_update_partial_u...`, `project_employee`, and `projects`.

Main Content Area:

- employees_list**
- AUTHORIZATIONS:** Basic
- QUERY PARAMETERS:**
 - `page` (integer): A page number within the paginated result set.
- Responses:**
 - 200** (Success):
 - RESPONSE SCHEMA:** application/json
 - Schema:**
 - `count` (integer, required)
 - `next` (string <uri> Nullable)
 - `previous` (string <uri> Nullable)
 - `results` (Array of objects (Employee), required)

Right Panel (Response samples):

- GET /employees/**
- 200** (Selected)
- Content type:** application/json
- JSON Response:**

```
{  "count": 0,  "next": "http://example.com",  "previous": "http://example.com",  "results": [    + { ... }  ]}
```