* **Sms\_Backend**
* This project provides a backend API developed using Django and MySQL.
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* **Installation**
* To use this project, follow these steps:
* Clone the repository: **git clone** [**https://github.com/UpcomingMobileAndWeb/sms\_backend**](https://github.com/UpcomingMobileAndWeb/sms_backend)
* Change to the project directory: **cd sms\_backend**
* Install the required dependencies: **pip install -r requirements.txt**
* **Configuration**
* Before running the project, you need to configure the following settings:
* Open the **settings.py** file in your favorite text editor.
* Set the **DATABASES** configuration according to your MySQL database settings.
* Configure any other necessary settings (e.g., secret key, debug mode).
* **Database Setup**
* To set up the MySQL database:
* Create a new database in your MySQL server.
* Run the Django migrations: **python manage.py migrate**
* (Optional) Load initial data if available: **python manage.py loaddata initial\_data.json**
* **API Endpoints**
* The backend API provides the following endpoints:
* **Users**
* **GET /users/**: Retrieve a list of all users.
* **POST /users/**: Create a new user.
* **GET /users/<int:pk>/**: Retrieve details of a specific user.
* **PUT /users/<int:pk>/**: Update details of a specific user.
* **DELETE /users/<int:pk>/**: Delete a specific user.
* **Roles**
* **GET /roles/**: Retrieve a list of all roles.
* **POST /roles/**: Create a new role.
* **GET /roles/<int:pk>/**: Retrieve details of a specific role.
* **PUT /roles/<int:pk>/**: Update details of a specific role.
* **DELETE /roles/<int:pk>/**: Delete a specific role.
* **Devices**
* **GET /devices/**: Retrieve a list of all devices.
* **POST /devices/**: Create a new device.
* **GET /devices/<int:pk>/**: Retrieve details of a specific device.
* **PUT /devices/<int:pk>/**: Update details of a specific device.
* **DELETE /devices/<int:pk>/**: Delete a specific device.
* **Messages**
* **GET /messages/**: Retrieve a list of all messages.
* **POST /messages/**: Create a new message.
* **GET /messages/<int:pk>/**: Retrieve details of a specific message.
* **PUT /messages/<int:pk>/**: Update details of a specific message.
* **DELETE /messages/<int:pk>/**: Delete a specific message.
* **Services**
* **GET /services/**: Retrieve a list of all services.
* **POST /services/**: Create a new service.
* **GET /services/<int:pk>/**: Retrieve details of a specific service.
* **PUT /services/<int:pk>/**: Update details of a specific service.
* **DELETE /services/<int:pk>/**: Delete a specific service.
* **Service Teams**
* **GET /serviceteams/**: Retrieve a list of all service teams.
* **POST /serviceteams/**: Create a new service team.
* **GET /serviceteams/<int:pk>/**: Retrieve details of a specific service team.
* **PUT /serviceteams/<int:pk>/**: Update details of a specific service team.
* **DELETE /serviceteams/<int:pk>/**: Delete a specific service team.
* **History**
* **GET /history/**: Retrieve a list of all history records.
* **POST /history/**: Create a new history record.
* **GET /history/<int:pk>/**: Retrieve details of a specific history record.
* **PUT /history/<int:pk>/**: Update details of a specific history record.
* **DELETE /history/<int:pk>/**: Delete a specific history record.
* **Permissions**
* **GET /permissions/**: Retrieve a list of all permissions.
* **POST /permissions/**: Create a new permission.
* **GET /permissions/<int:pk>/**: Retrieve details of a specific permission.
* **PUT /permissions/<int:pk>/**: Update details of a specific permission.
* **DELETE /permissions/<int:pk>/**: Delete a specific permission.
* **User Authentication**
* **POST /users/login/**: User login authentication.
* **POST /users/signup/**: User registration.

# Service Team Authentication

* **POST /serviceteams/login/**: Service team login authentication.
* **POST /serviceteams/signup/**: Service team registration.
* For detailed information on each endpoint, including request/response examples and authentication requirements, refer to the API documentation or the source code.

# Usage

* To start the development server, run the following command: **python manage.py runserver**
* Now you can use Postman or any other API testing tool to interact with the API endpoints. Make requests to the appropriate URLs with the required parameters and headers.
* Remember to include the necessary authentication if your API requires it.
* **Contributing**
* If you'd like to contribute to this project, please follow these steps:
* Fork the repository on GitHub.
* Create a new branch with a descriptive name: **git checkout -b** [**https://github.com/UpcomingMobileAndWeb/sms\_backend**](https://github.com/UpcomingMobileAndWeb/sms_backend)
* Make your changes and commit them: **git commit -am 'Add some feature'**
* Push your changes to your fork: **git push origin** [**https://github.com/UpcomingMobileAndWeb/sms\_backend**](https://github.com/UpcomingMobileAndWeb/sms_backend)
* Submit a pull request on the original repository.