**Project APIs for Rooms/Events**

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These APIs were created Python/Django considering Model View - Template (MVT) and the default Database was used for this Project (SQLite 3).

Database URL: <http://127.0.0.1:8000/admin/>

username: andresloor

password: 12345678

It was required to build 4 classes:

**Class Room**

ID

Name

Description

Capacity

**Class Event**

ID

Name

Description

Type

Date

Room

Available Places

**Class Customer**

ID

Name

Description

**Class Booking**

ID

Description

Customer

Event

Status

**CRUD Operations**

* GET ROOM LIST
  + <http://127.0.0.1:8000/rooms/>
* GET ROOM DETAIL
  + <http://127.0.0.1:8000/rooms/1>
* POST NEW ROOM
  + <http://127.0.0.1:8000/rooms/>
  + Body(Name, Description, Capacity)
* PUT UPDATE ROOM
  + <http://127.0.0.1:8000/rooms/3>
  + Body(Name, Description, Capacity)
* DELETE ROOM
  + <http://127.0.0.1:8000/rooms/7>
* GET EVENT LIST
  + <http://127.0.0.1:8000/events/>
* GET EVENT DETAIL
  + <http://127.0.0.1:8000/events/1>
* POST NEW EVENT
  + <http://127.0.0.1:8000/events/>
  + Body(Name, Description, Type, Date, Room, Available Places)
* PUT UPDATE EVENT
  + <http://127.0.0.1:8000/events/1>
  + Body(Name, Description, Type, Date, Room, Available Places)
* DELETE EVENT
  + <http://127.0.0.1:8000/events/2>
* GET BOOKING LIST
  + <http://127.0.0.1:8000/booking/>
* GET BOOKING DETAIL
  + <http://127.0.0.1:8000/booking/1>
* POST NEW BOOKING
  + <http://127.0.0.1:8000/booking/>
  + Body(Description, Customer, Date, Event, Status)
* PUT UPDATE BOOKING
  + <http://127.0.0.1:8000/booking/1>
  + Body(Description, Customer, Date, Event, Status)
* DELETE BOOKING
  + <http://127.0.0.1:8000/booking/2>

**EXAMPLES of how API works**

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

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Graphical user interface, text, application, email

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**TESTS**

The **test.pys** file runs 8 basic test from all the APIs.

Text

Description automatically generated

The command is> python manage.py test

The result must be OK if anything changes.

If you need to try the **APIs**, can use this command line:

python consume.py

