

# Python task

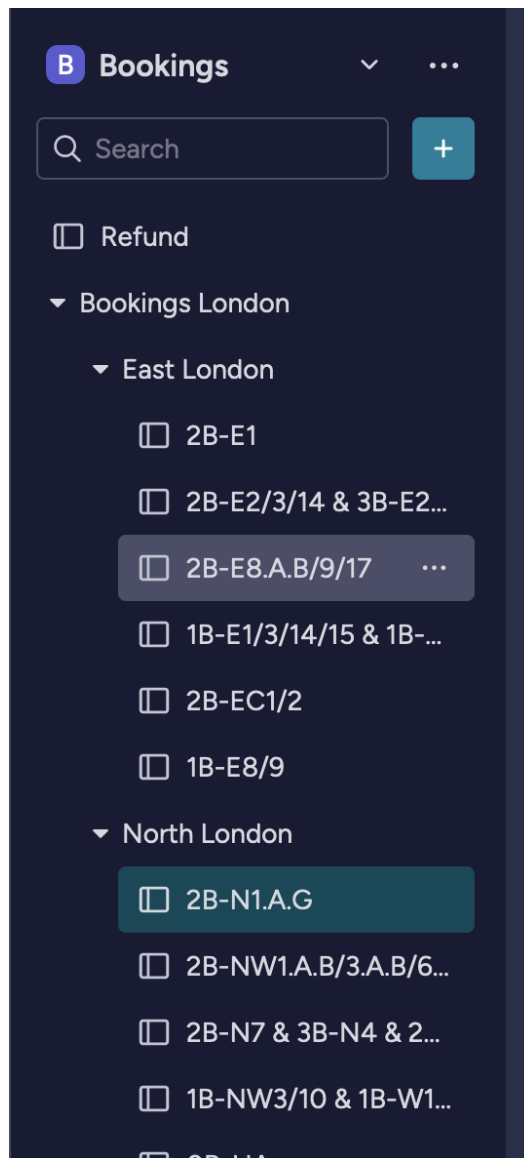
## Description of the task 1 :

Following is an overview of the structure of the task

```
graph TD
    Monday.com-API --> Database
    Database --> Output-View
```

From [Monday.com](https://monday.com) :

You need to retrieve from [Monday.com](https://monday.com) API all the reservations (from Bookings Workspace)



Reservations :

Item	Status	Invoicing	Allocated Proper...	Sort	Timeline	Lenght
Last Test	Cancelled				9 - 10 Dec	1
Test Test					11 - 12 Nov	1
+ Add Item						
				0/2		2 sum

Item	Status	Invoicing	Allocated Proper...	Sort	Timeline	Lenght
Ate Test Calendar Update			2B SE1B A - Sam...		1 Sep - 7 Oct	36
Current tenant 2			2B E1 - 27 St Cle...		20 Sep - 27 Oct	37
+ Add Item						
				0/2		73 sum

Store all data like this in the db :

Guest name	Status	Flat booked	Checkin date	Checkout date	Creation log	Booking value
Last Test	Cancelled		9/12/2023	10/12/2023	09/09/2023	
etc.						

Then in the webapp page create a login page with different user rights :

- **User right** : Ability to list and filter on checkin date (cannot see the Booking value column)
- **manager right** : Ability to list and filter by checkin date and date of creation + can see the booking value and is able to sort by desc and asc values.

Note :

- 1) Provide the best user experience you can do !
- 2) Db should be synced every hour

Think of a smooth way of how to display something on the app to show the user the today checkins and the next 3 days checkouts.

**Credentials :**

```
Monday.com :
URL : https://flex-living---sandbox.monday.com/
Username : breakit2270@gmail.com
Password : x8dXF#5JDScar5QE
API Token : eyJhbGciOiJIUzI1NiJ9.eyJ0awQiOiJ0NTg1NDM0NiwiYWFPjoxMSwidWlkIjo0MDk2NzM3OCwiaWFkIjo0MjAyMy0yMVQxNjozNzoxNy4wMDBaIiwicGvYyIj
```

## Description of task 2 :

Following is an overview of the structure of the task :

```
graph TD
    Rentals_United-API --> Database --> Output-View
```

Display all reservations. You can deliver both tasks in the same webapp. For e.g :

- Tab 1 → Monday Reservations
- Tab 2 → Rentals United Reservations

In the table you need to display these info :

Guest name	Status	Flat booked	Checkin date	Checkout date	Guest email	Phone number	Booking value
Reservation 1	Confirmed		9/12/2023	10/12/2023	09/09/2023	+444324325325	

Note :

- 1) Provide the best user experience you can do !
- 2) Db should be synced every hour

```
Rentals United :
URL : https://new.rentalsunited.com/account/login
Username : sid@theflexliving.com
Password : Rentals2023!
```