

Chapter 01: Setting Up FastAPI for Starters

```
PS C:\Alibata\Training\Source\fastapi\ch01> uvicorn main:app --reload
INFO:      Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO:      Started reloader process [2552] using watchgod
INFO:      Started server process [17880]
INFO:      Waiting for application startup.
INFO:      Application startup complete.
```

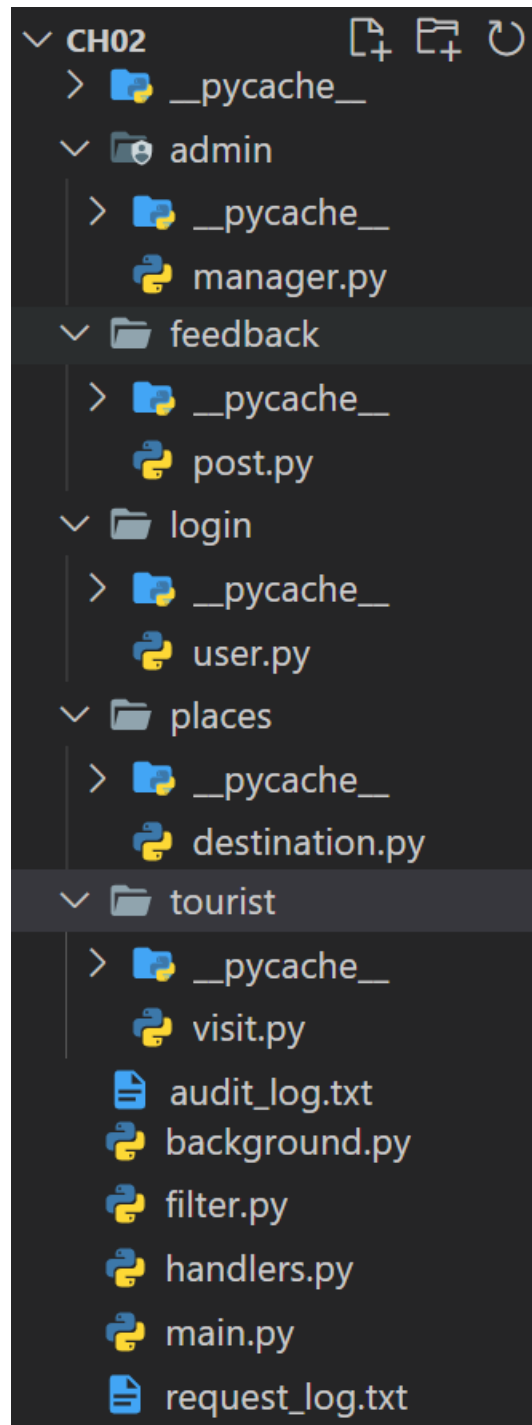
FastAPI 0.1.0 OAS3

[/openapi.json](#)

default ^

GET	/ch01/index	Index	✓
POST	/ch01/login/signup	Signup	✓
POST	/ch01/list/users/pending	List Pending Users	✓
POST	/ch01/login/validate	Approve User	✓
DELETE	/ch01/login/remove/{username}	Delete User	✓
DELETE	/ch01/login/remove/	Delete Users	✓
GET	/ch01/list/users/valid	List Valid Users	✓

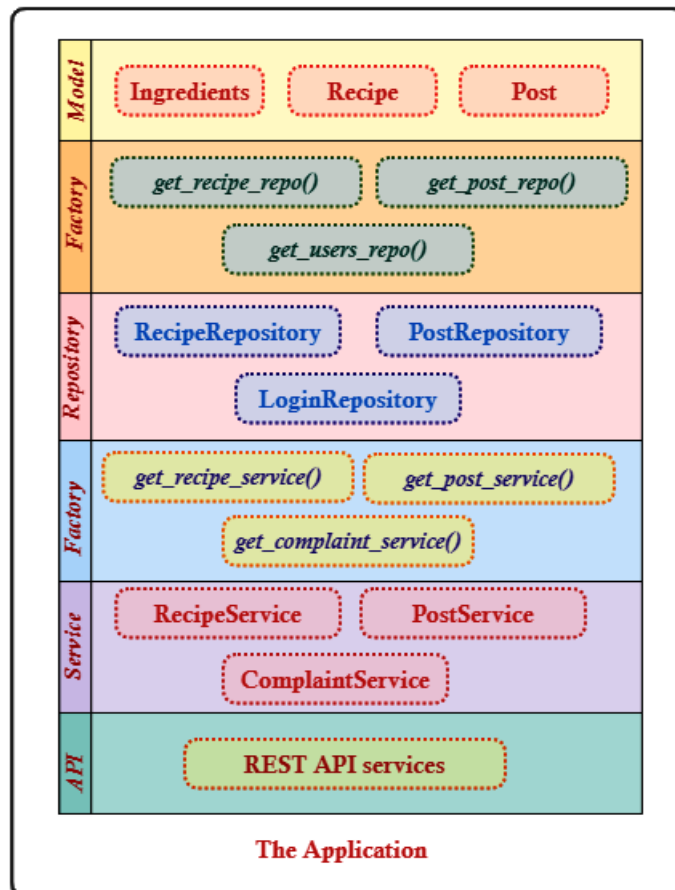
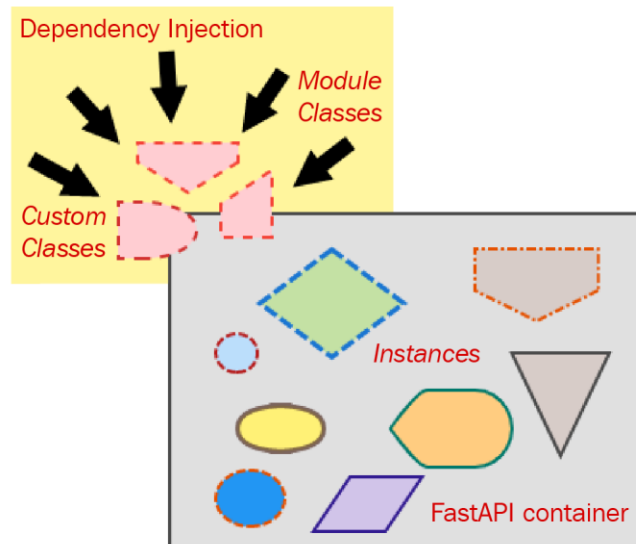
Chapter 02: Exploring the Core Features

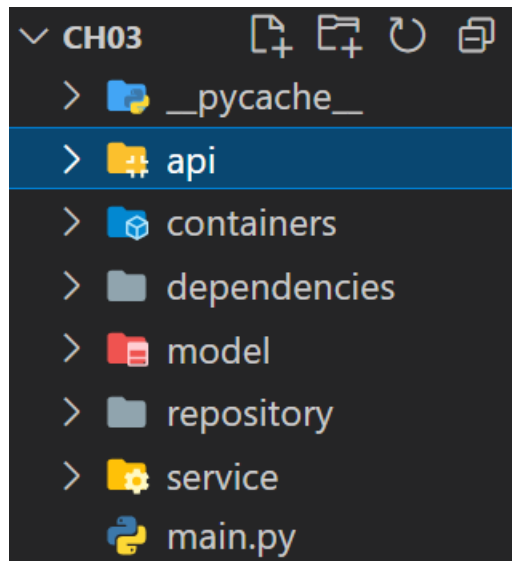


← → ↻ ⓘ localhost:8000/ch02/user/login

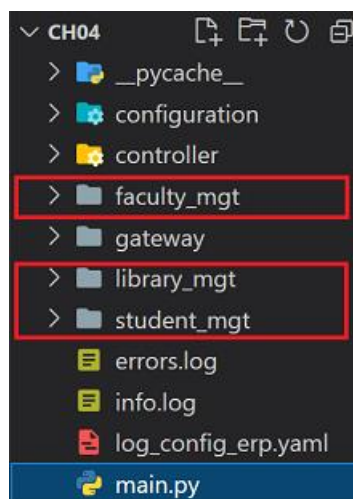
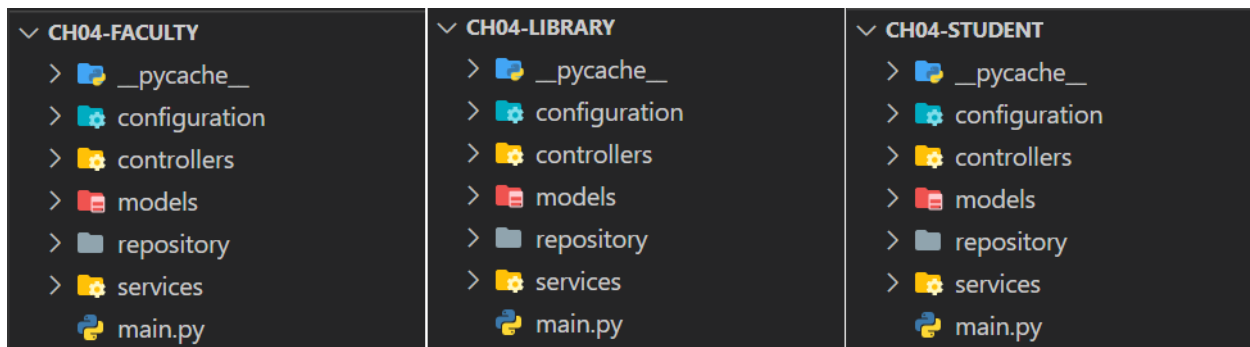
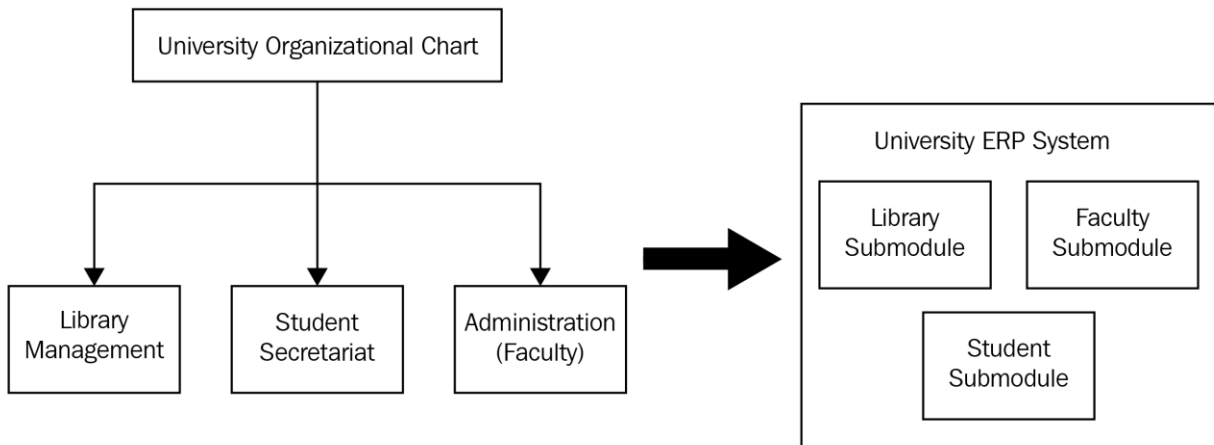
```
{"detail": "Not Found"}
```

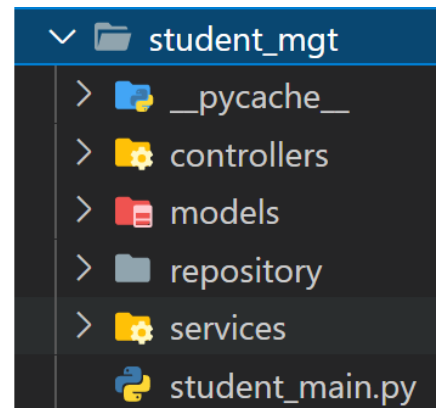
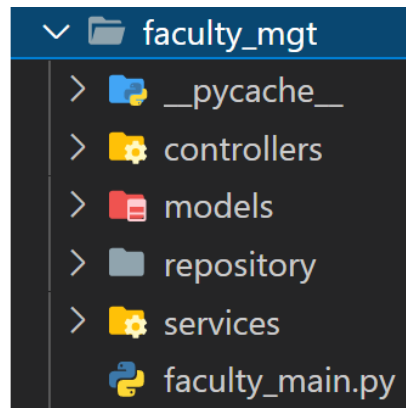
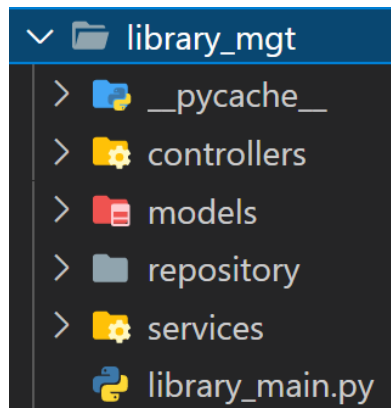
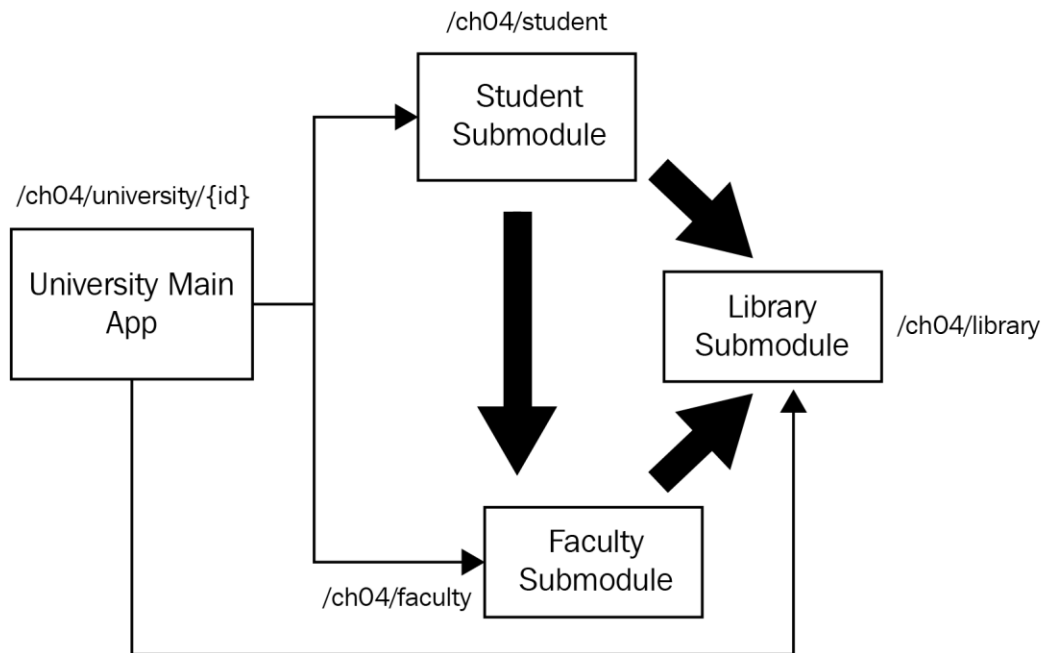
Chapter 03: Investigating Dependency Injection





Chapter 04: Building the Microservice Application





Chapter 05: Connecting to a Relational Database

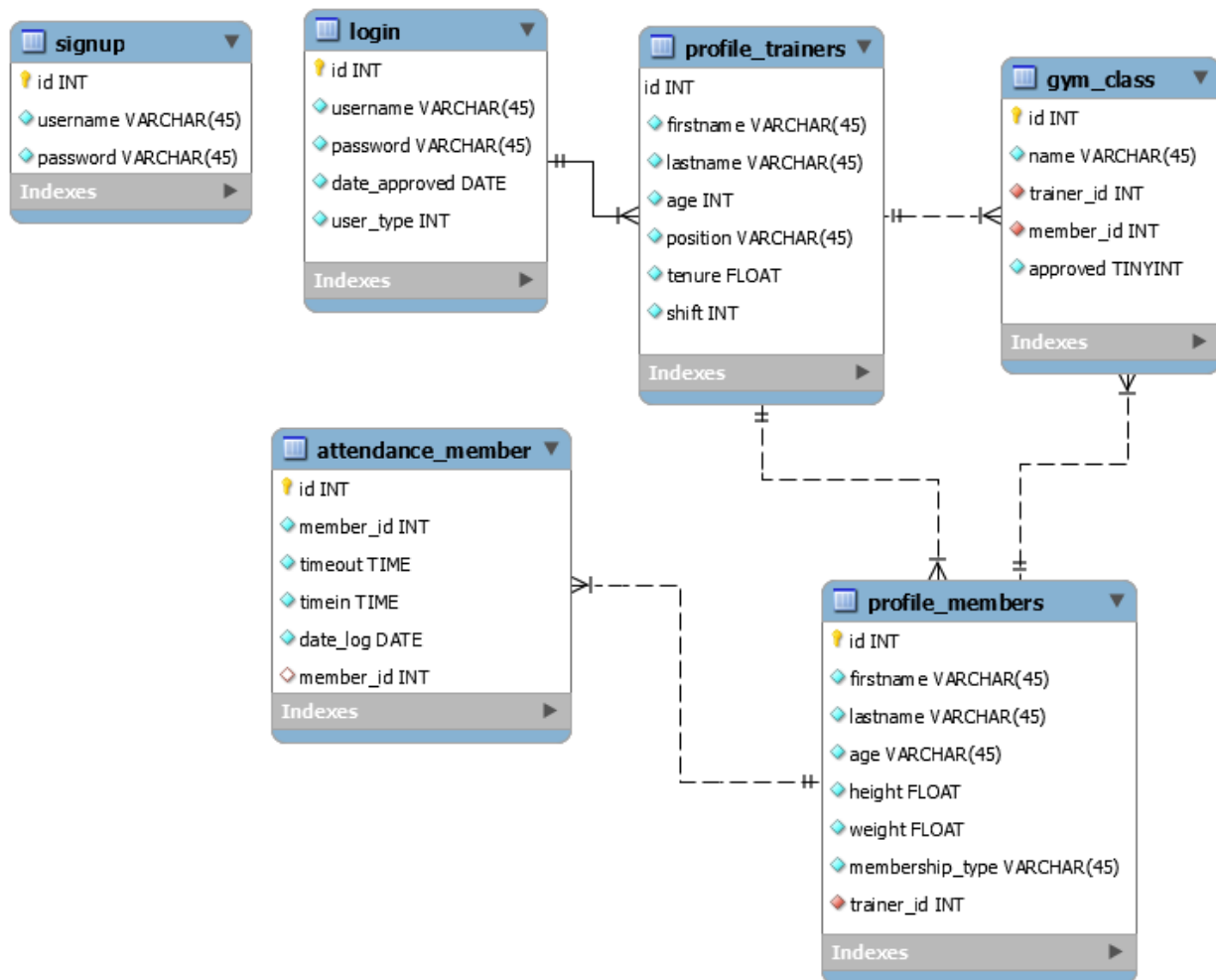


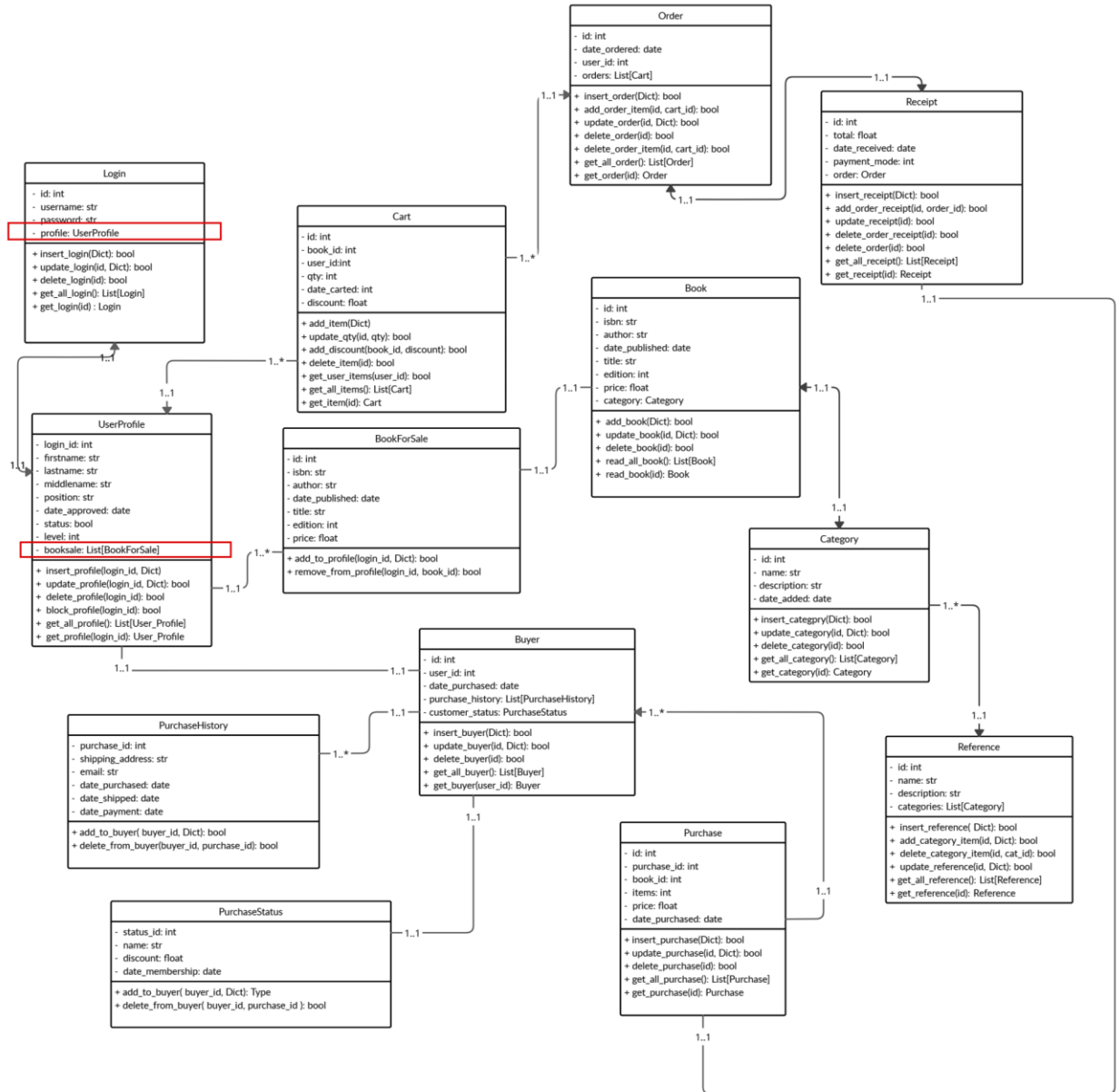
Table "public.profile_trainers"					
Column	Type	Collation	Nullable	Def	
id	integer		not null	nextval('profile_trainers_id_seq'::regclass)	
login_id	integer		not null		
firstname	character varying(255)		not null		
lastname	character varying(255)		not null		
age	character varying(255)		not null		
position	character varying(255)		not null		
tenure	real		not null		
shift	integer		not null		

Chapter 06: Using a Non-Relational Database

The screenshot displays the MongoDB Compass web interface. On the left sidebar, the database 'obrs' is selected, showing a list of collections: 'admin', 'config', 'local', 'obrs', 'book', 'buyer', and 'cart'. The main panel shows the 'obrs.login' collection with 6 documents. The 'Documents' tab is active, displaying a JSON document. The document structure is as follows:

```
{
  "_id": 10,
  "username": "sjctrags",
  "password": "admin2255",
  "profile": {
    "firstname": "Sherwin John",
    "lastname": "Tragura",
    "middlename": "Calleja",
    "position": "developer",
    "date_approved": "2022-01-12T00:00:00.000+00:00",
    "status": true,
    "level": 1,
    "login_id": 10
  },
  "booksale": [
    {
      "_id": 100,
      "isbn": "978-178588274",
      "author": "Sherwin John Tragura",
      "date_published": "2016-07-29T00:00:00.000+00:00",
      "title": "Spring MVC Blueprints",
      "edition": 1,
      "price": 2500
    }
  ]
}
```

The interface includes a filter bar with the query `{ field: 'value' }` and buttons for 'FILTER', 'OPTIONS', 'FIND', and 'RESET'. The status bar at the bottom indicates 'Displaying documents 1 - 6 of 6'.



Chapter 07: Securing the REST APIs

GET

/ch07/approve/signup

Signup Approve

GET

/ch07/login

Login

Parameters

No parameters

Execute

Clear

Sign in

http://localhost:8000

Username

Password

Sign in

Cancel

Cancel

http://localhost:8000/ch07/login

Server response

CodeDetails

200

Response body

```
{
  "approved_date": "2022-02-10",
  "username": "sjctrags",
  "password": "sjctrags",
  "passphrase": "$5$rounds=535000$rDtiI8SD1zx0npny$SfcE/fxQejdAAngCY7Xdk0W9QYzBGdU/54VM6JrES8",
  "id": 1
}
```

Download

Response headers

```
content-length: 174
content-type: application/json
date: Wed, 16 Feb 2022 23:57:07 GMT
server: uvicorn
```

FastAPI 0.1.0 OAS3

/openapi.json



Authorize



default



POST /ch07/signup/add Add Signup



GET /ch07/signup/list List Signup



Available authorizations



Scopes are used to grant an application different levels of access to data on behalf of the end user. Each API may declare one or more scopes.

API requires the following scopes. Select which ones you want to grant to Swagger UI.

OAuth2PasswordBearer (OAuth2, password)

Token URL: ch07/login/token

Flow: password

username:

password:

Client credentials location:

Authorization header ▼

client_id:

client_secret:

Authorize

Close

Available authorizations



Scopes are used to grant an application different levels of access to data on behalf of the end user. Each API may declare one or more scopes.

API requires the following scopes. Select which ones you want to grant to Swagger UI.

OAuth2PasswordBearer (OAuth2, password)

Authorized

Token URL: ch07/login/token

Flow: password

username: sjctrags

password: *****

Client credentials location: basic

client_secret: *****

Logout

Close

POST	/ch07/auctions/add	Add Auction	✓	🔒
PATCH	/ch07/auctions/update	Update Auction	✓	🔒
DELETE	/ch07/auctions/delete/{id}	Delete Auction	✓	🔒
GET	/ch07/auctions/list	List All Auction	✓	🔒
GET	/ch07/auctions/{id}	Get Auction	✓	🔒

KEYCLOAK

Select realm ▾

Add realm

Import

Select file 

Name *

AuctionRealm

Enabled

ON

Create

Cancel

KEYCLOAK

Sjctrags ▾

AuctionRealm ▾

Configure

Realms Settings

Clients

Client Scopes

Roles

Identity Providers

User Federation

Authentication

Manage

Groups

Clients

Lookup ?

Search...

Q

Create

Client ID	Enabled	Base URL	Actions
account	True	http://localhost:8080/auth/realms/AuctionRealm/account/	Edit Export Delete
account-console	True	http://localhost:8080/auth/realms/AuctionRealm/account/	Edit Export Delete
admin-cli	True	Not defined	Edit Export Delete
auc-bidder	True	http://localhost:8000http://localhost:8080	Edit Export Delete
auc-customer	True	http://localhost:8000http://localhost:8080	Edit Export Delete
auc_admin	True	http://localhost:8000http://localhost:8000	Edit Export Delete
broker	True	Not defined	Edit Export Delete
realm-management	True	Not defined	Edit Export Delete
security-admin-console	True	http://localhost:8080/auth/admin/AuctionRealm/console/	Edit Export Delete

KEYCLOAK

Sjctrags ▾

AuctionRealm ▾

Configure

Realms Settings

Clients

Client Scopes

Roles

Identity Providers

User Federation

Authentication

Roles

Realm Roles Default Roles

Search...

Q

View all roles

Add Role

Role Name	Composite	Description	Actions
auc_admin_role	False		Edit Delete
auc_bidder_role	False		Edit Delete
auc_customer_role	False		Edit Delete
default-roles-auctionrealm	True	\${role_default-roles}	Edit Delete
offline_access	False	\${role_offline-access}	Edit Delete
uma_authorization	False	\${role_uma_authorization}	Edit Delete

KEYCLOAK

Sjctrags

AuctionRealm

Users

Lookup

Search...

Q

View all users

Unlock users

Add user

ID	Username	Email	Last Name	First Name	Actions		
094f6a44-6e72-4987...	anna_bidder	annaloki@gmail.com	Loki	Anna	Edit	Impersonate	Delete
7f3a932b-b34e-4e69...	joey_admin	sjctrags@gmail.com	Cruz	Joey	Edit	Impersonate	Delete
a81fd636-84ae-4391...	liza_customer	sherwin.tragura@ali...	Maze	Liza	Edit	Impersonate	Delete

KEYCLOAK

Sjctrags

AuctionRealm

Users > joey_admin

joey_admin

DetailsAttributesCredentialsRole MappingsGroupsConsentsSessions

Realm Roles

Available Roles

Assigned Roles

Effective Roles

Add selected >

<< Remove selected

Client Roles

Select a client...

KEYCLOAK

Sjctrags

AuctionRealm

Clients > auc_admin

Auc_admin

SettingsCredentialsKeysRolesClient ScopesMappersScopeAuthorizationRevocationSessions

Offline AccessClusteringInstallationService Account Roles

Search...

Q

View all roles

Add Role

Role Name	Composite	Description	Actions	
admin	False		Edit	Delete
uma_protection	False		Edit	Delete

KEYCLOAK

AuctionRealm

Configure

Realm Settings

Clients

Client Scopes

Roles

Identity Providers

User Federation

Authentication

Manage

Groups

Users

Users > joey_admin

Joey_admin

DetailsAttributesCredentialsRole MappingsGroupsConsentsSessions

Realm Roles

Available Roles

auc_bidder_role
auc_customer_role
offline_access
uma_authorization

Add selected >

Assigned Roles

auc_admin_role
default-roles-auctionrealm

<< Remove selected

Effective Roles

auc_admin_role
default-roles-auctionrealm
offline_access
uma_authorization

Client Roles

auc_admin

Available Roles

uma_protection

Assigned Roles

admin

Effective Roles

admin

KEYCLOAK

AuctionRealm

Configure

Realm Settings

Clients

Client Scopes

Roles

Identity Providers

User Federation

Authentication

Client Scopes

Client Scopes

Default Client Scopes

Search...

Create

Name	Protocol	GUI order	Actions
address	openid-connect		EditDelete
admin.read	openid-connect		EditDelete
admin.write	openid-connect		EditDelete
auction.read	openid-connect		EditDelete
auction.write	openid-connect		EditDelete
bidder.read	openid-connect		EditDelete
bidder.write	openid-connect		EditDelete

- ⚡ Getting Started
- 📊 Activity FIRST
- 🔌 Applications ▾
 - Applications
 - APIs
 - SSO Integrations
- 🔒 Authentication >
- 🏢 Organizations
- 👤 User Management >
- 🎨 Branding >
- 🛡 Security >
- 📋 Actions >
- 🔧 Auth Pipeline >
- 📊 Monitoring >
- 🛒 Marketplace
- ⚙ Extensions
- ⚙ Settings

← Back to Applications



AuctionApp

Machine to Machine

Client ID KjdWfZhr0LXC3IKekw8t6YhX4xUV1ZNd

Quick Start Settings APIs

Basic Information

Name *

AuctionApp



Domain

dev-fastapi1.us.auth0.com



Client ID

KjdWfZhr0LXC3IKekw8t6YhX4xUV1ZNd

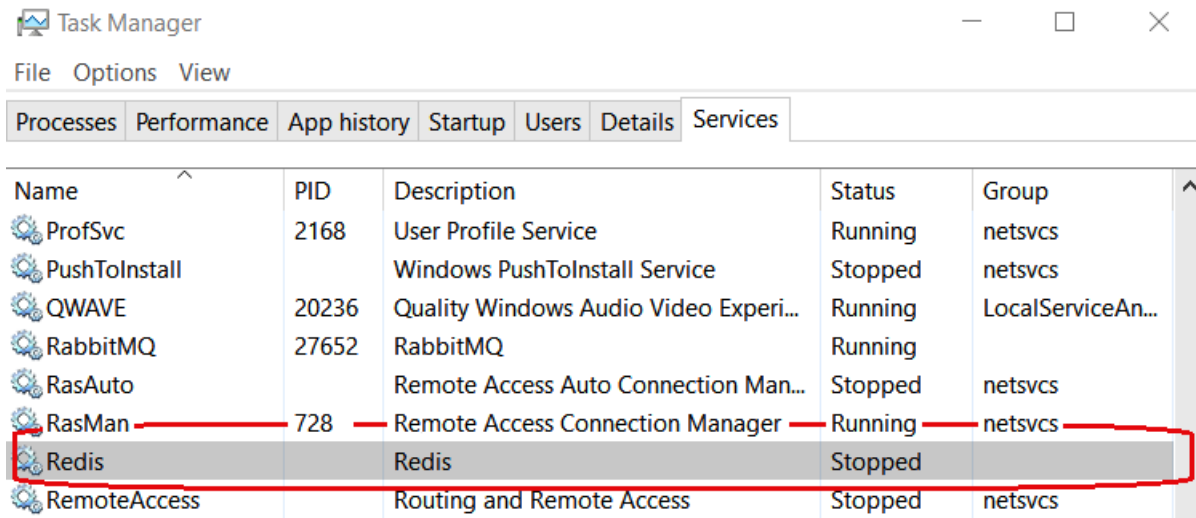


Client Secret

.....



Chapter 08: Creating Coroutines, Events, and Message-Driven Transactions



```
C:\Alibaba\Development\Server\Redis>redis-server.exe
[19796] 31 Mar 03:38:59.410 # Warning: no config file specified, using the default config. In order to spe
cify a config file use redis-server.exe /path/to/redis.conf

Redis 3.0.504 (00000000/0) 64 bit

Running in standalone mode
Port: 6379
PID: 19796

http://redis.io

[19796] 31 Mar 03:38:59.414 # Server started, Redis version 3.0.504
[19796] 31 Mar 03:38:59.415 * DB loaded from disk: 0.001 seconds
[19796] 31 Mar 03:38:59.415 * The server is now ready to accept connections on port 6379
```

Show10entries

Search:

Name	UUID	State	args	kwargs	Result	Received	Started
tasks.create_total_payables_year_celery	c5cec754-dfdc-418c-b8cd-98394df4148a	SUCCESS	(datetime.date(2022, 3, 16), [<models.data.nsms.Vendor object at 0x0000026F8587CF70>])	{}	800000.0	2022-04-01 04:01:38.615	2022-04-01 04:01:38.617
tasks.create_total_payables_year_celery	f44ed144-64b6-44b3-9611-183a8c8381f3	SUCCESS	(datetime.date(2022, 3, 16), [<models.data.nsms.Vendor object at 0x0000026F85AAE130>])	{}	800000.0	2022-04-01 04:01:39.926	2022-04-01 04:01:39.928
tasks.create_total_payables_year_celery	9bc20165-3cad-4761-832b-8f36ec4085e7	SUCCESS	(datetime.date(2022, 3, 16), [<models.data.nsms.Vendor object at 0x0000026F85AAE640>])	{}	800000.0	2022-04-01 04:01:45.474	2022-04-01 04:01:45.477
tasks.create_total_payables_year_celery	0535960a-85a2-4986-bc68-ef06a28eb2b0	SUCCESS	(datetime.date(2022, 3, 16), [<models.data.nsms.Vendor object at 0x0000026F85AAE310>])	{}	800000.0	2022-04-01 04:01:46.487	2022-04-01 04:01:46.490
tasks.create_total_payables_year_celery	9692ae35-429b-4468-8f08-38bd0168f40e	FAILURE	(datetime.date(2022, 3, 16), [<models.data.nsms.Vendor object at 0x000002764706AFA0>])	{}		2022-04-01 04:19:13.741	2022-04-01 04:19:13.742
tasks.create_total_payables_year_celery	1d2549dd-891f-41b7-a107-8b436895e449	SUCCESS	(datetime.date(2022, 3, 16), [<models.data.nsms.Vendor object at 0x000002BB52C85F40>])	{}	800000.0	2022-04-01 05:40:14.141	2022-04-01 05:40:14.142
services.billing.tasks.create_total_payables_year_celery	644c2d2b-f689-4582-9790-9e81d06c7499	SUCCESS	(datetime.date(2022, 3, 16), [<models.data.nsms.Vendor object at 0x000002A8CBFFB790>])	{}	800000.0	2022-04-01 05:57:30.714	2022-04-01 05:57:30.716



RabbitMQ 3.9.13

Erlang 24.2.2

Refresh

2022-04

Overview

Connections

Channels

Exchanges

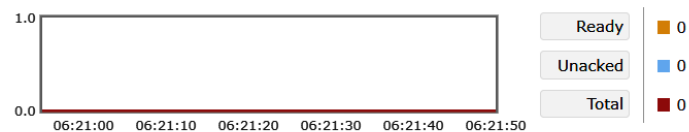
Queues

Admin

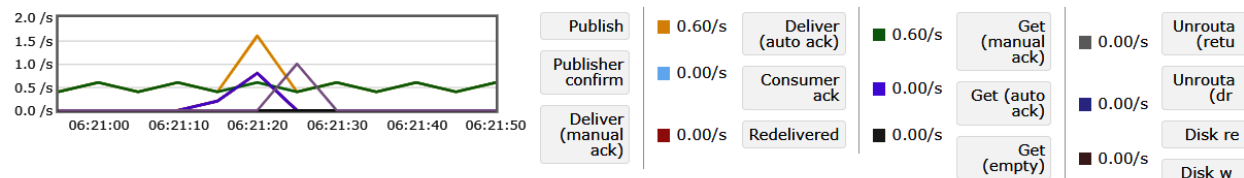
Overview

Totals

Queued messages

last minute?

Message rates

last minute?

Global counts

?

Connections: 4

Channels: 6

Exchanges: 12

Queues: 4

Consumers: 3

```
Administrator: Command Prompt - kafka-console-consumer.bat --bootstrap-server 127.0.0.1:9092 --topic newstopic
C:\Alibaba\Development\Server\kafka\bin\windows>kafka-console-consumer.bat --bootstrap-server 127.0.0.1:9092
--topic newstopic
{"id": 205, "firstname": "Liza", "lastname": "Zen", "salary": 8000.0, "date_employed": "2022-04-04", "status": 1, "vendor_id": 2}
{"id": 206, "firstname": "Peter", "lastname": "Cruz", "salary": 6000.0, "date_employed": "2022-04-07", "status": 1, "vendor_id": 2}
{"id": 207, "firstname": "Johnny", "lastname": "Vitug", "salary": 3000.0, "date_employed": "2022-04-11", "status": 1, "vendor_id": 2}
```

```
localhost:8000/ch08/messenger/sse/add
event: ping
data: 2022-04-04 23:46:59.036807

event: ping
data: 2022-04-04 23:47:14.042350

event: ping
data: 2022-04-04 23:47:29.058708

id: f7237fb1-95ef-4bfa-99b7-a6b7510fe88d
event: Added messenger status: True, Received: April 04, 2022 [11:47:29 PM]
data: {"id": 205, "firstname": "Onan", "lastname": "Bean", "salary": 4000.0, "date_employed": "2022-04-04", "status": 1, "vendor_id": 2}
retry: 15000

event: ping
data: 2022-04-04 23:47:44.060751

id: bc317c64-862c-42d7-8951-a5907d6e3343
event: Added messenger status: True, Received: April 04, 2022 [11:47:44 PM]
data: {"id": 206, "firstname": "Renan", "lastname": "Cruz", "salary": 4000.0, "date_employed": "2022-04-04", "status": 1, "vendor_id": 2}
retry: 15000

event: ping
data: 2022-04-04 23:47:59.071265

id: ef03f177-1ee1-47e3-a116-08fd0723fa33
event: Added messenger status: True, Received: April 04, 2022 [11:48:02 PM]
data: {"id": 207, "firstname": "Jimmy", "lastname": "Tan", "salary": 2000.0, "date_employed": "2022-04-04", "status": 1, "vendor_id": 2}
retry: 15000
```

Chapter 09: Utilizing Other Advanced Features

The Online Restaurant Rating System API 1.0 OAS3

[/openapi.json](#)

This application is a prototype.

[Sherwin John Tragura - Website](#)
[Send email to Sherwin John Tragura](#)

Authorize 

auth

POST `/ch09/login/authenticate` This is an API that stores credentials in session. 

operation

POST `/ch09/login/add` This is an API adds new user.  

POST `/ch09/login/profile/add` This is an API updating existing user record.  

POST <code>/ch09/login/authenticate</code> Authenticate	
Parameters	
Name	Description
username * required string (query) <code>maxLength: 50</code>	The username of the credentials. username
password * required string (query) <code>maxLength: 20</code>	The password of the of the credentials. password

GET /ch09/login/account/{id} Get Login

Parameters

Name	Description
id * required integer (path)	The user ID of the user.

id

Code	Description
200	Return an MP4 encoded video.
	Media type
	video/mp4
	application/json
500	The item was not found
	Media type
	application/json
	Example Value Schema
	{ "message": "Video file is invalid." }

```
PS C:\Alibata\Training\Source\fastapi\ch09> pytest
===== test session starts =====
platform win32 -- Python 3.8.5, pytest-7.1.2, pluggy-1.0.0
rootdir: C:\Alibata\Training\Source\fastapi\ch09
plugins: anyio-3.3.4, Faker-11.3.0
collected 2 items

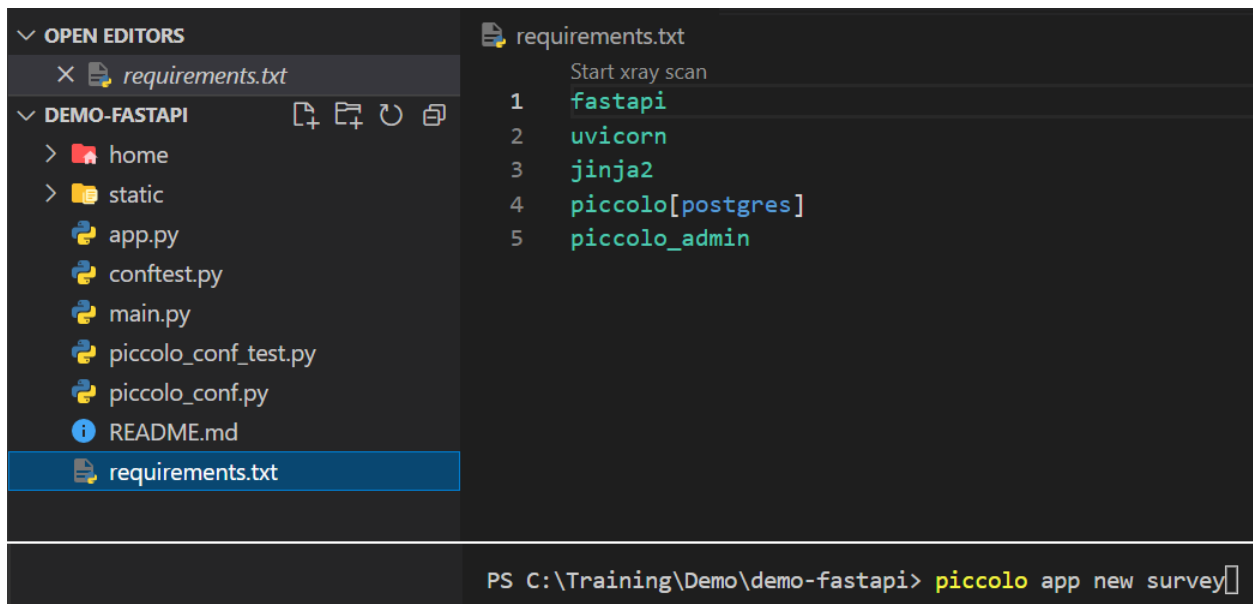
test\test_restaurants.py . [ 50%]
test\test_route_extract.py . [100%]

===== warnings summary =====
..\..\..\Development\Language\Python\Python38\lib\site-packages\starlette\templating.py:57
..\..\..\Development\Language\Python\Python38\lib\site-packages\starlette\templating.py:57
  C:\Alibata\Development\Language\Python\Python38\lib\site-packages\starlette\templating.py:57: DeprecationWarning: 'contextfunction' i
s renamed to 'pass_context', the old name will be removed in Jinja 3.1.
    def url_for(context: dict, name: str, **path_params: typing.Any) -> str:

-- Docs: https://docs.pytest.org/en/stable/how-to/capture-warnings.html
===== 2 passed, 2 warnings in 1.10s =====
```

Chapter 10: Solving Numerical, Symbolic, and Graphical Problems

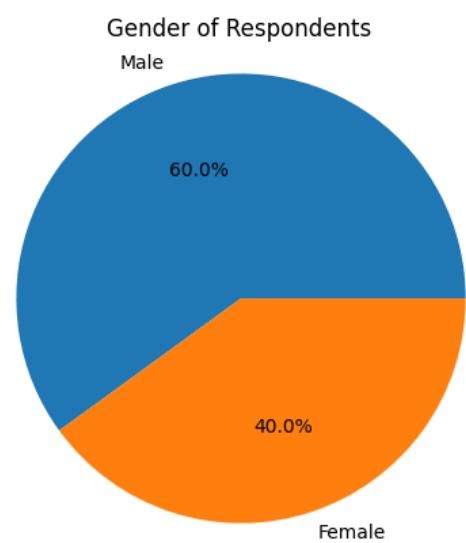
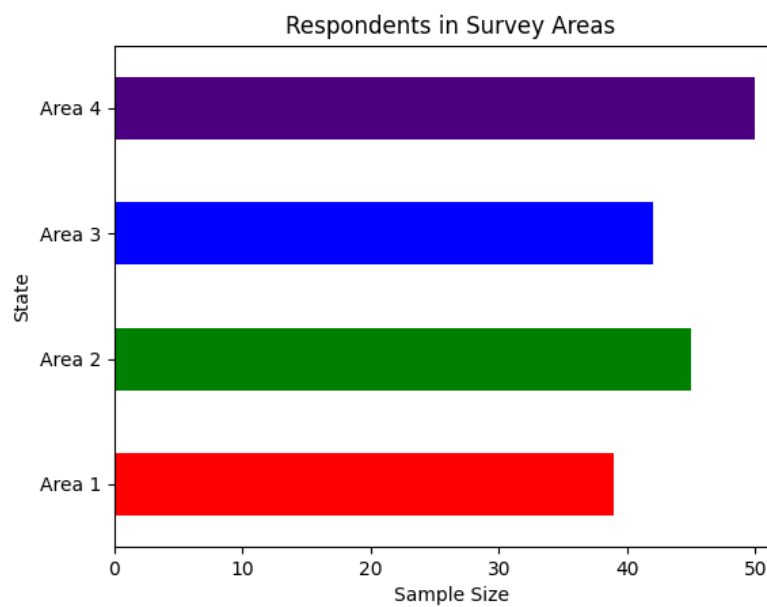
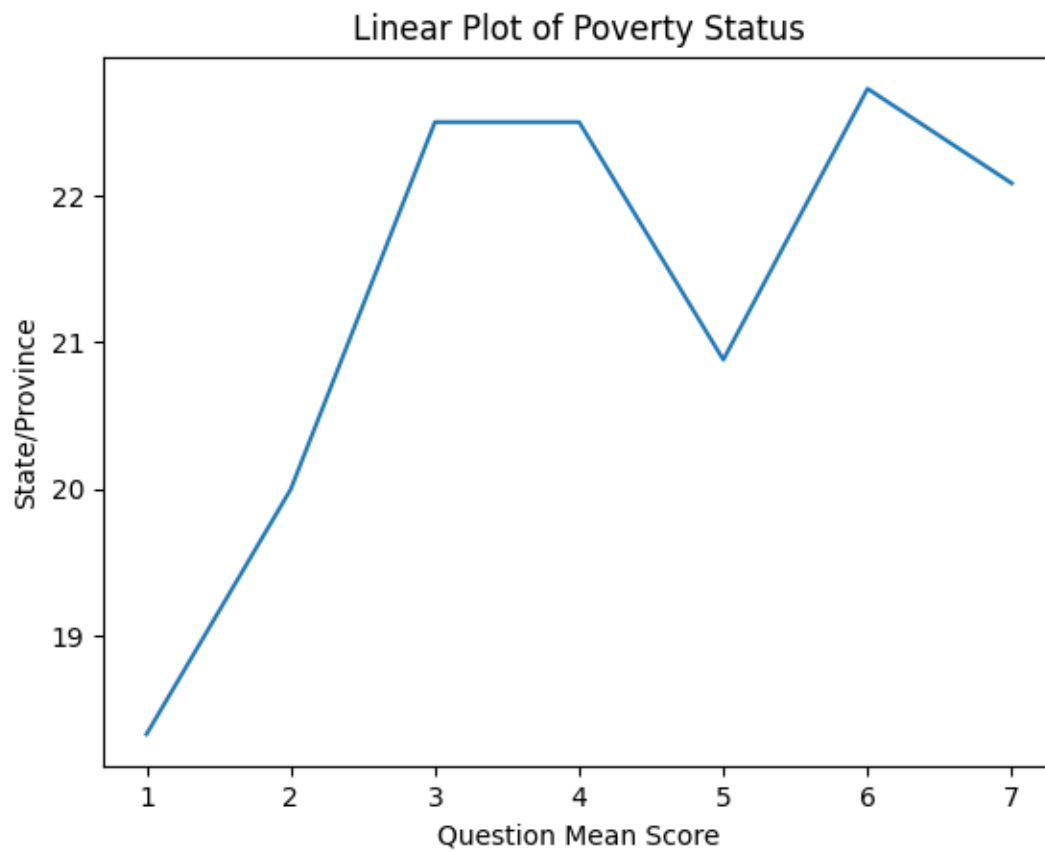
```
Command Prompt
C:\Alibata\Training\Source\fastapi\ch10>piccolo asgi new
Can't import the APP_REGISTRY from piccolo_conf - some commands may be missing. If this is a new project don't worry. To see a full traceback use `piccolo --diagnose`
Which routing framework?
starlette [0], fastapi [1], blacksheep [2], xpresso [3]
1
Which server?
uvicorn [0], Hypercorn [1]
0
Run `pip install -r requirements.txt` and `python main.py` to get started.
```

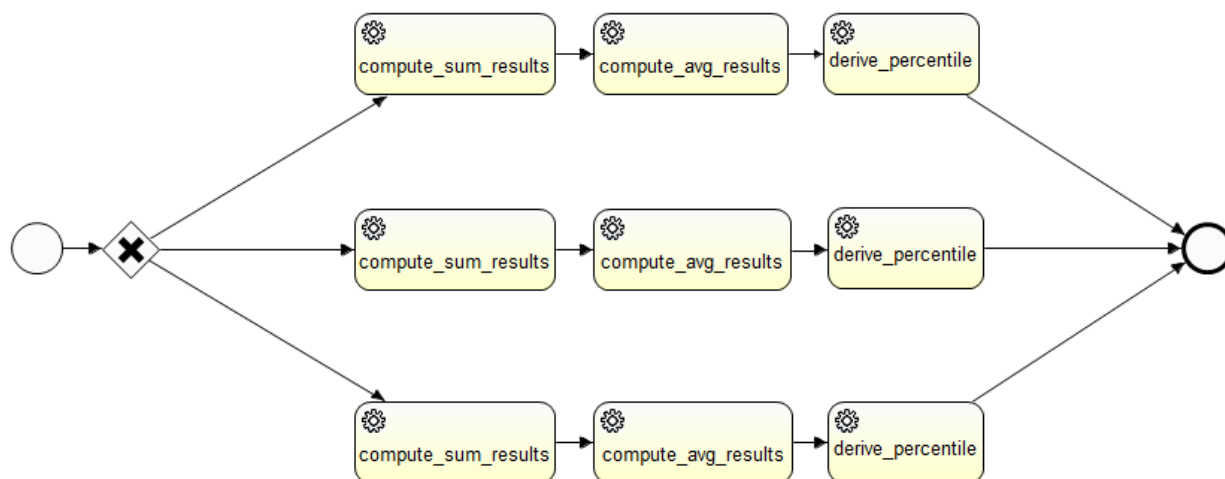
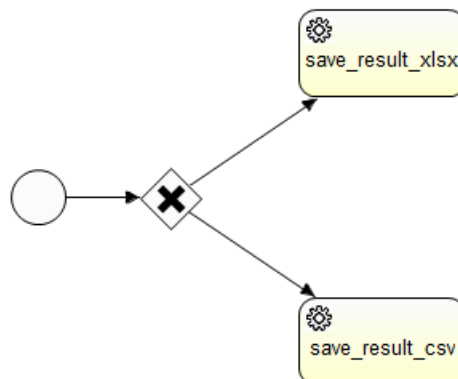
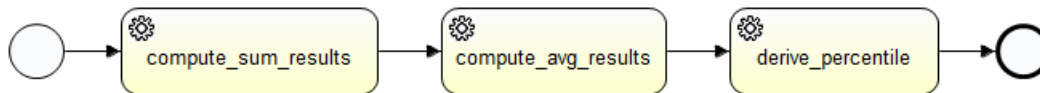


The screenshot shows the Visual Studio Code interface. On the left, the 'EXPLORER' sidebar displays the file structure of a project named 'DEMO-FASTAPI'. The files listed are 'home', 'static', 'app.py', 'conftest.py', 'main.py', 'piccolo_conf_test.py', 'piccolo_conf.py', 'README.md', and 'requirements.txt'. The 'requirements.txt' file is selected and highlighted. On the right, the 'requirements.txt' file is open in the editor. It contains the following text:

```
requirements.txt
Start xray scan
1 fastapi
2 uvicorn
3 jinja2
4 piccolo[postgres]
5 piccolo_admin
```

At the bottom of the window, the terminal shows the command prompt with the command `piccolo app new survey` entered.





```
create_login × +
PRETTIFY HISTORY http://localhost:8000/ch10/graphql/login/

1 # Write your query or mutation here
2 * mutation {
3   create_login(id:898, username:"sjctrags", password:"sjctrags")
4   {
5     loginData{
6       id
7       username
8       password
9     }
10    ok
11  }
12 }
```

```
{
  "data": {
    "create_login": {
      "loginData": {
        "id": 898,
        "username": "sjctrags",
        "password": "sjctrags"
      },
      "ok": true
    }
  }
}
```

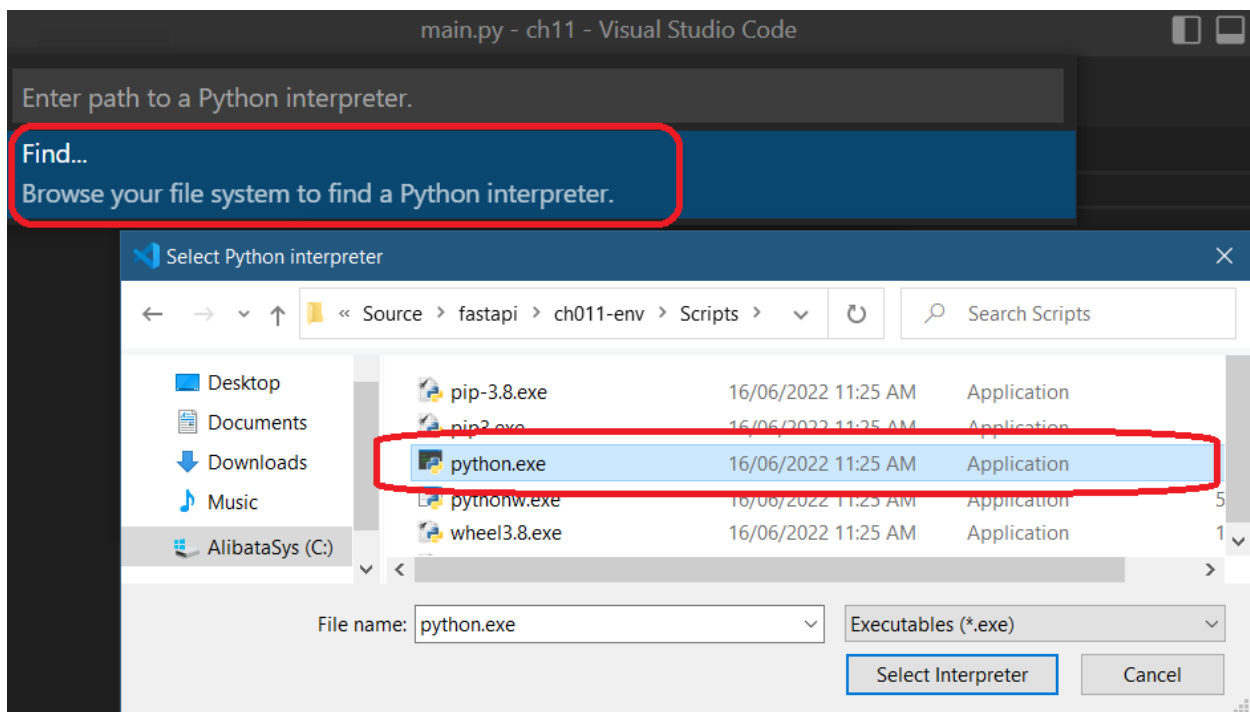
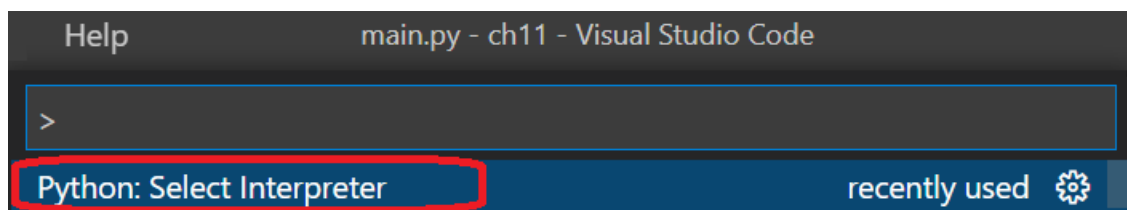
```
get_login × +
PRETTIFY HISTORY http://localhost:8000/ch10/graphql/login/

1 # Write your query or mutation here
2 * {
3   get_login
4   {
5     id
6     username
7     password
8   }
9 }
```

```
{
  "data": {
    "get_login": [
      {
        "id": 1999,
        "username": "admin",
        "password": "admin"
      },
      {
        "id": 898,
        "username": "sjctrags",
        "password": "sjctrags"
      }
    ]
  }
}
```

Chapter 11: Adding Other Microservice Features

```
C:\Alibata\Training\Source\fastapi>python -m virtualenv ch01-env
created virtual environment CPython3.8.5.final.0-64 in 1540ms
creator CPython3Windows(dest=C:\Alibata\Training\Source\fastapi\ch01-env, clear=False, no_vcs_ignore
=False, global=False)
seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bundle, via=copy, app_data_d
ir=C:\Users\alibatasys\AppData\Local\pypa\virtualenv)
added seed packages: pip==22.1.2, setuptools==62.3.4, wheel==0.37.1
activators BashActivator,BatchActivator,FishActivator,NushellActivator,PowerShellActivator,PythonAct
ivator
```



```
C:\Alibata\Training\Source\fastapi\ch11>c:\Alibata\Training\Source\fastapi\ch011-env\Scripts\activate.bat
(ch011-env) C:\Alibata\Training\Source\fastapi\ch11>pip install fastapi
Collecting fastapi
  Using cached fastapi-0.78.0-py3-none-any.whl (54 kB)
(ch011-env) C:\Alibata\Training\Source\fastapi\ch11>pip install uvicorn
Collecting uvicorn
  Using cached uvicorn-0.17.6-py3-none-any.whl (53 kB)
Collecting h11>=0.8
```

ch011-env	16/06/2022 11:25 AM	File folder
ch010-env	16/06/2022 11:25 AM	File folder
ch09-env	16/06/2022 11:25 AM	File folder
ch08-env	16/06/2022 11:24 AM	File folder

← → ↺ localhost:8000/metrics

```
# TYPE starlette_requests_created gauge
starlette_requests_created{app_name="osms",method="GET",path="/metrics",status_code="200"} 1.6558878590579767e+09
starlette_requests_created{app_name="osms",method="GET",path="/ch11/login/get/1",status_code="200"} 1.6558878734448125e+09
starlette_requests_created{app_name="osms",method="GET",path="/ch11/login/list/all",status_code="200"} 1.6558878761680148e+09
starlette_requests_created{app_name="osms",method="POST",path="/ch11/login/add",status_code="201"} 1.655887888104112e+09
# HELP starlette_request_duration_seconds HTTP request duration, in seconds
# TYPE starlette_request_duration_seconds histogram
starlette_request_duration_seconds_bucket{app_name="osms",le="0.005",method="GET",path="/metrics",status_code="200"} 0.0
starlette_request_duration_seconds_bucket{app_name="osms",le="0.01",method="GET",path="/metrics",status_code="200"} 0.0
starlette_request_duration_seconds_sum{app_name="osms",method="GET",path="/metrics",status_code="200"} 0.012583499999999859
starlette_request_duration_seconds_bucket{app_name="osms",le="0.005",method="GET",path="/ch11/login/get/1",status_code="200"} 0.0
starlette_request_duration_seconds_bucket{app_name="osms",le="0.01",method="GET",path="/ch11/login/get/1",status_code="200"} 0.0
starlette_request_duration_seconds_bucket{app_name="osms",le="0.025",method="GET",path="/ch11/login/get/1",status_code="200"} 0.0
starlette_request_duration_seconds_sum{app_name="osms",method="GET",path="/ch11/login/get/1",status_code="200"} 0.04552939999999995
starlette_request_duration_seconds_bucket{app_name="osms",le="0.005",method="GET",path="/ch11/login/list/all",status_code="200"} 1.0
starlette_request_duration_seconds_bucket{app_name="osms",le="0.01",method="GET",path="/ch11/login/list/all",status_code="200"} 1.0
starlette_request_duration_seconds_bucket{app_name="osms",le="0.025",method="GET",path="/ch11/login/list/all",status_code="200"} 1.0
starlette_request_duration_seconds_bucket{app_name="osms",le="0.05",method="GET",path="/ch11/login/list/all",status_code="200"} 1.0
starlette_request_duration_seconds_bucket{app_name="osms",le="0.075",method="GET",path="/ch11/login/list/all",status_code="200"} 1.0
starlette_request_duration_seconds_bucket{app_name="osms",le="0.1",method="GET",path="/ch11/login/list/all",status_code="200"} 1.0
```

← → ↺ localhost:16686/search?end=1655953733838000&limit=20&lookback=1h&maxDuration&minDuration&service=online-sports-tracer&start=1655950133...

JAEGER UI

Search Compare System Architecture Monitor

Search JSON File

Service (3)

online-sports-tracer

Operation (15)

all

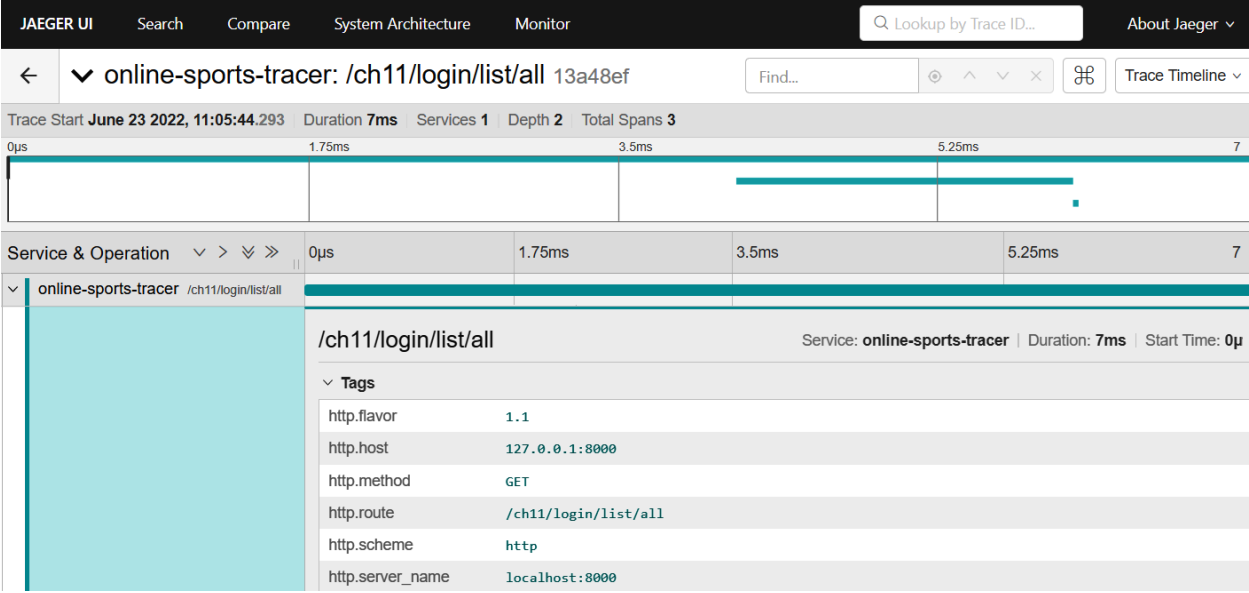
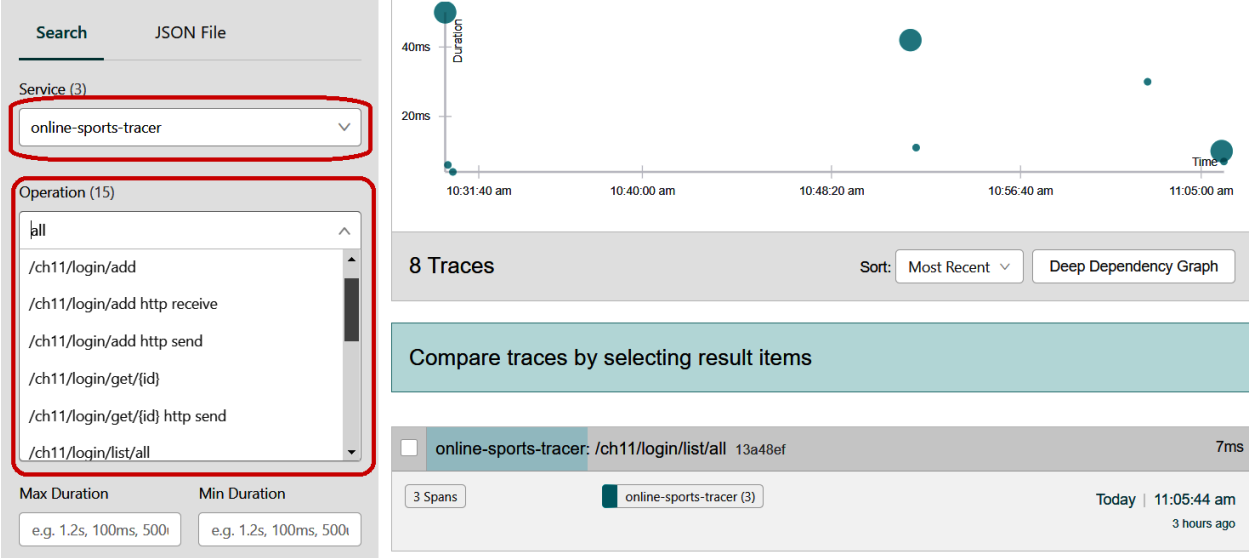
Tags ?

http.status_code=200 error=true

Lookback

8 Traces

Compare traces by selecting result items



- [nio-8761-exec-4] c.n.e.registry.AbstractInstanceRegistry : Registered instance UNKNOWN/DESKTOP-56HNGC9.local:8761 with status UP (replication=true)

- [nio-8761-exec-5] c.n.e.registry.AbstractInstanceRegistry : Registered instance SPORTS_SERVICE/192.168.1.5:sports_service:8000 with status UP (replication=false)

- [nio-8761-exec-9] c.n.e.registry.AbstractInstanceRegistry : Registered instance SPORTS_SERVICE/192.168.1.5:sports_service:8000 with status UP (replication=true)

← → ↻ localhost:8761

 **spring** Eureka

Toggle navigation

System Status

Environment	test	Current time	2022-06-23T16:52:38 +0800
Data center	default	Uptime	00:14
		Lease expiration enabled	true
		Renews threshold	3
		Renews (last min)	8

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
SPORTS_SERVICE	n/a (1)	(1)	UP (1) - 192.168.1.5:sports_service:8000
UNKNOWN	n/a (1)	(1)	UP (1) - DESKTOP-56HNGC9.local:8761

- ch11
- Dockerfile
- requirements.txt

CH11

- > __pycache__
- > api
- > ch11_django
- > ch11_flask
 - > __pycache__
 - > api
 - > __pycache__
 - __init__.py
 - schedule.py
 - app.py
 - > config
 - > models
 - > repository
 - > services
 - > sports
 - db.sqlite3
 - main.py
 - manage.py

