

Rapport

De L'application 'inCarpool'

Réalisé par :

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2^{ème} Ingénierie en génie logiciel

TD1 / TP1

Introduction :

L'application 'inCarpool' est conçue avec Spring Boot et se divise en deux parties : l'interface administrateur (admin) et l'interface utilisateur (user). L'admin a un contrôle complet sur la gestion des utilisateurs, des offres, et des réservations, avec la possibilité de valider ou refuser des demandes. L'utilisateur peut créer un compte, rechercher des covoiturages, confirmer des réservations, et gérer son profil. Il peut également soumettre une demande pour devenir un offreur de covoiturage, qui doit être approuvée par l'admin avant de pouvoir proposer des trajets.

Fonctionnalités de l'admin :

Tableau de bord :

- Visualiser le nombre total de clients, d'offres et de réservations.
- Voir les 10 derniers clients et les 6 dernières offres.

Gestion des clients :

- Voir la liste des clients classés par statut : approved, not approved, pending.

Gestion des demandes de publication d'offres :

- Voir la liste des utilisateurs dont la demande est en pending.
- Accepter ou rejeter la demande pour permettre à l'utilisateur de publier des offres.

Fonctionnalités de l'utilisateur :

Création et gestion de compte :

- Créer un compte.
- Se connecter à son compte.
- Modifier ses informations personnelles.

Recherche et réservation de covoiturage :

- Rechercher des covoitages disponibles.
- Confirmer une réservation pour un covoiturage.
- Consulter les covoitages confirmés.
- Annuler une confirmation de covoiturage.

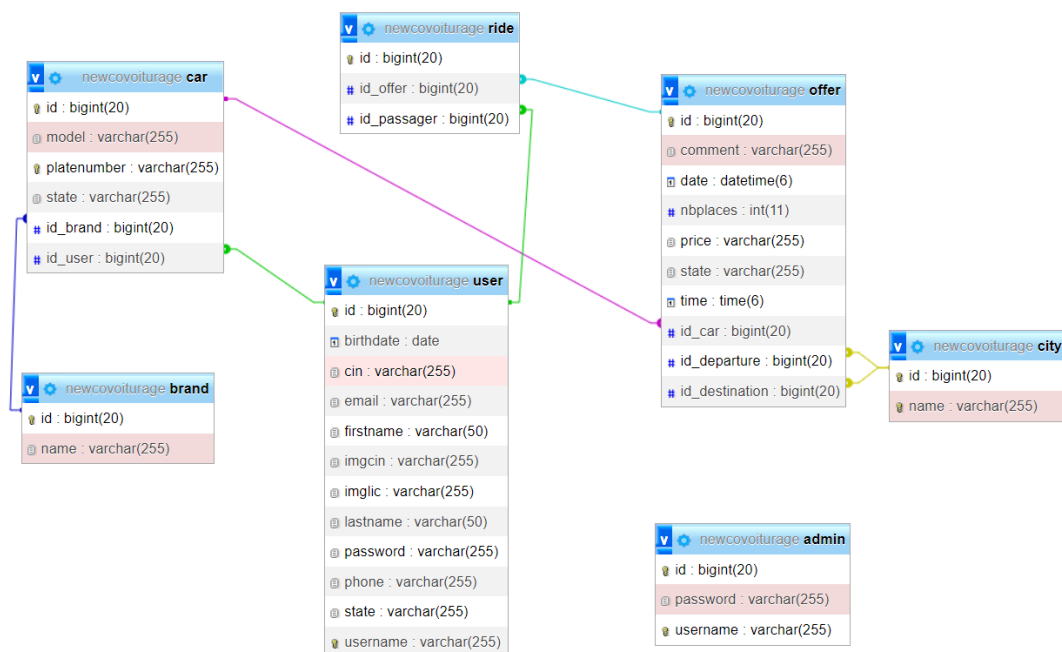
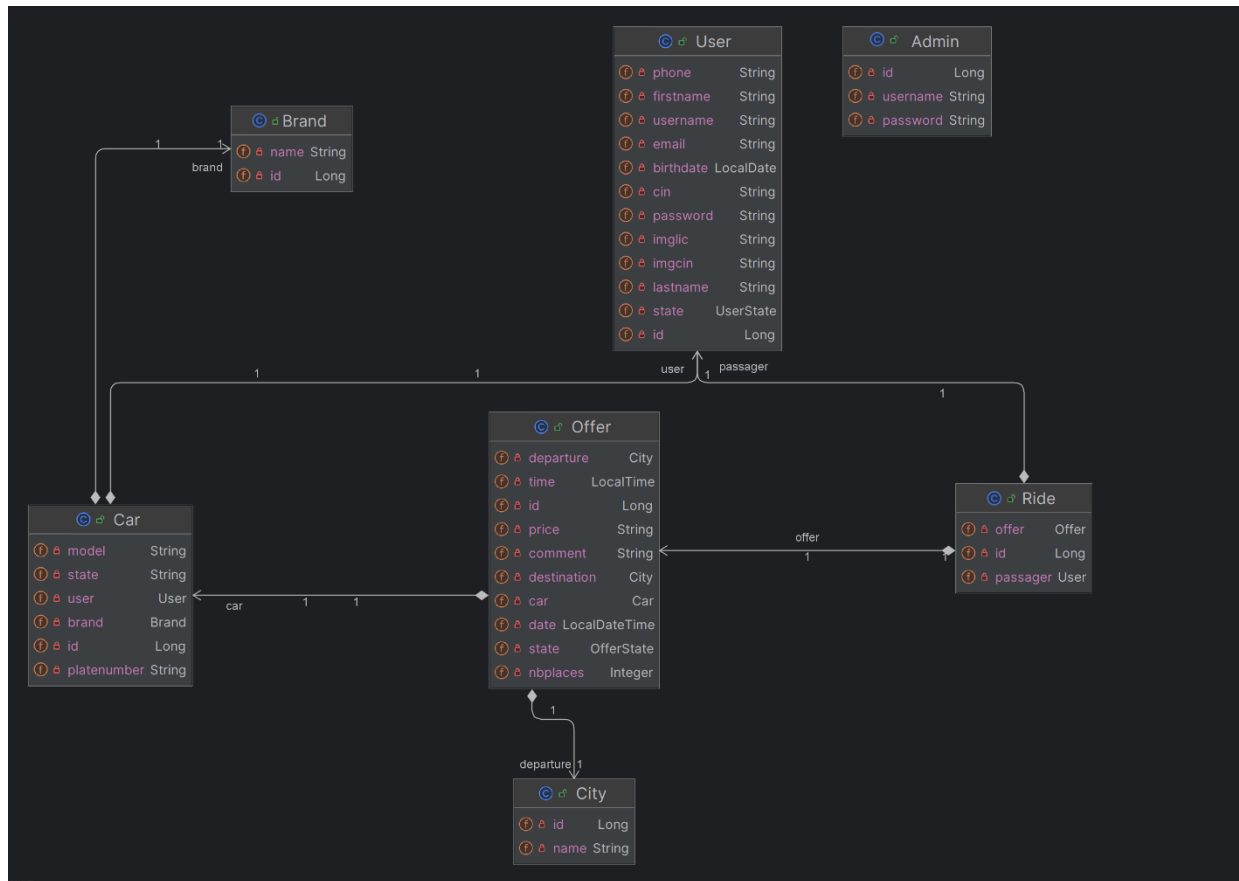
Demande de publication d'offres :

- Créer une demande pour devenir un offreur de covoiturage en fournissant son CIN et son permis de conduire.

Publication d'offres (après approbation de l'admin) :

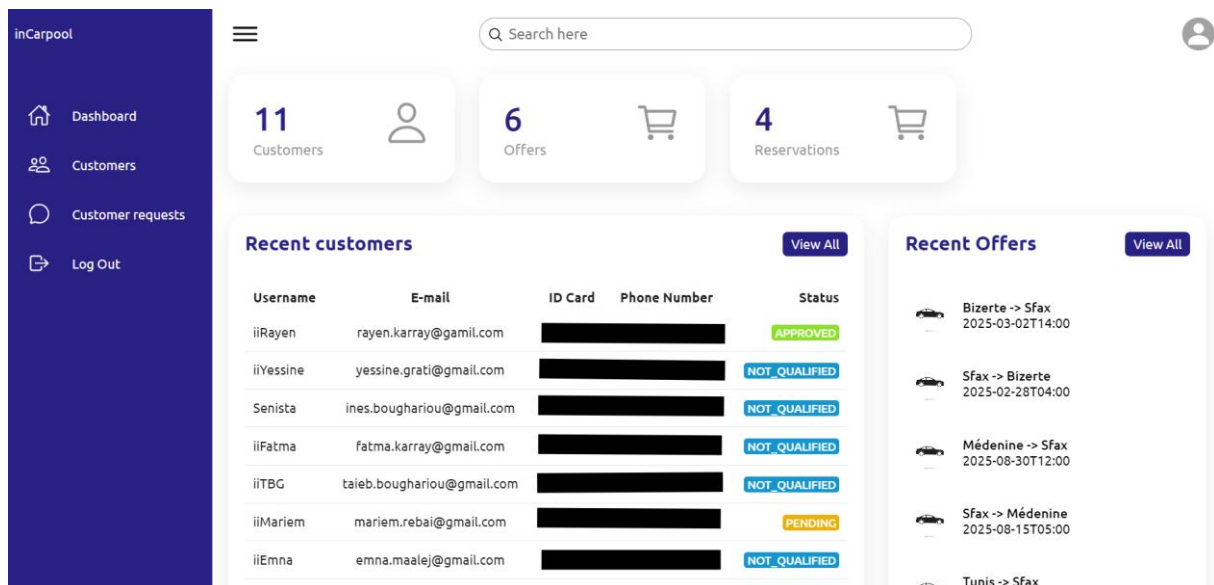
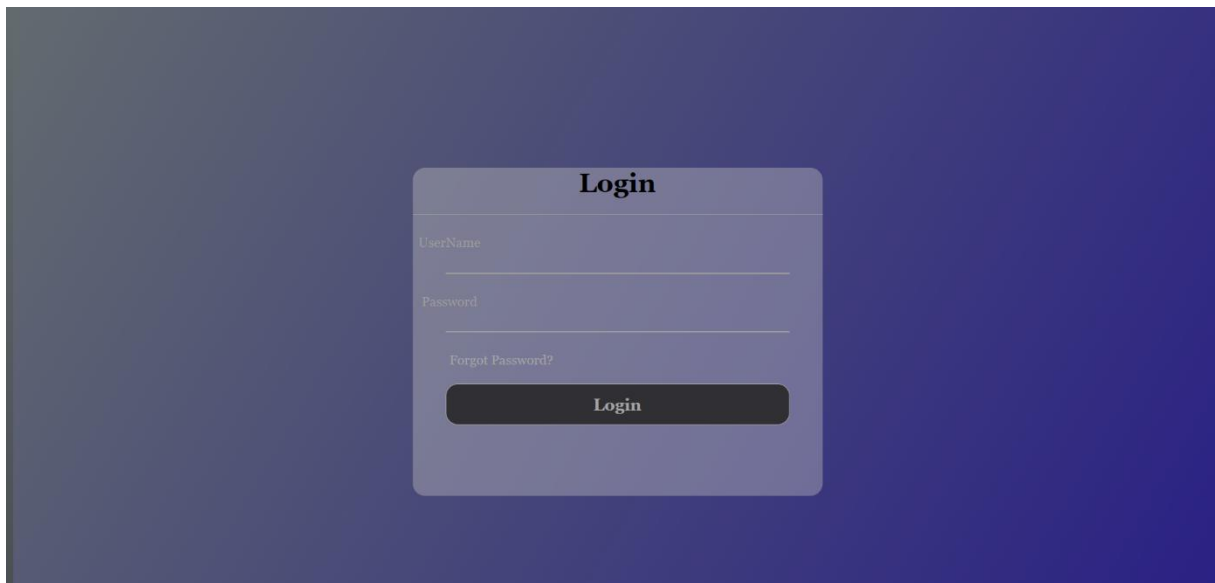
- Ajouter des véhicules avec lesquels il peut voyager.
- Publier des offres de covoiturage.

Diagramme de classe :



Interfaces :

- Admin



inCarpool

Dashboard

Customers

Customer requests

Log Out

Search here

Customer

Username	E-mail	ID Card	Phone Number	Status
iiMBG	idham.boughariou@gmail.com			APPROVED
iiAziz	aziz.aydi@gmail.com			APPROVED
iiAsma	asma.maalej@gmail.com			NOT APPROVED
iiMariem	mariem.rebai@gmail.com			PENDING
iiRayen	rayen.karray@gamil.com			APPROVED

inCarpool

Dashboard

Customers

Customer requests


Log Out


Search here

Customer requests

Username	E-mail	ID Card	Phone Number	Status	Action
iiMariem	mariem.rebai@gmail.com			PENDING	<div>ConfirmReject</div>

• User

[Home](#)[Services](#)[About](#)[Register](#)



Login

[Forgot Password](#)[Signup](#)

Share your ride

How it works

1


Create account


2

Search or create offers

3

Enjoy!





inCarpool connects drivers with students or adults, in general, using other means of transport to carpool to their university or destination. Carpooling has seen an exponential increase in recent years across the globe without there being any remarkable growth in Tunisia.



Office





ONS City
Tunis Road Km 11
idham.boughariou@gmail.com
+216 50661094

Links

[Home](#)
[Services](#)
[About](#)
[Register](#)

Newsletter

 Enter your email 



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Registration

Personal Details

First Name

Last Name

Identity Card Number

E-mail

Birthday Date



Mobile Number

Next ➤

Personal keys

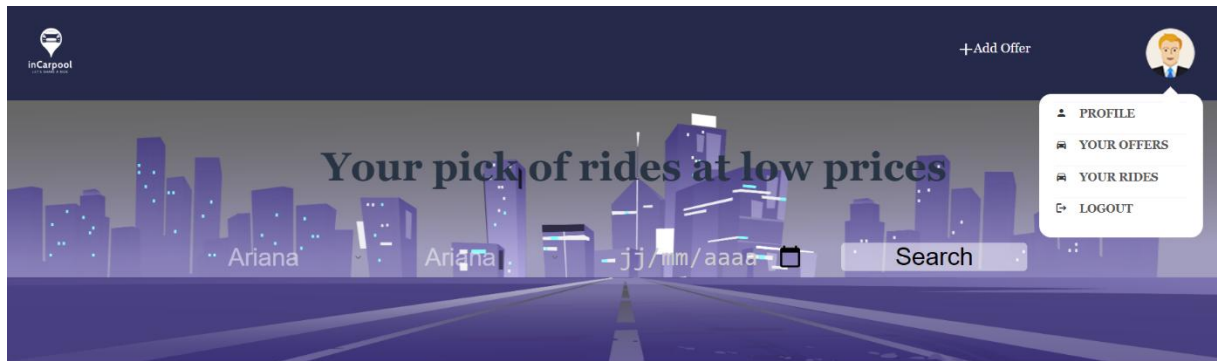
USERNAME

PASSWORD

Repeat Password

⬅ Back

Submit



No offers found matching your search criteria.



Your pick of rides at low prices

No matter where you're going, by bus or carpool, find the perfect ride from our wide range of destinations and routes at low prices.



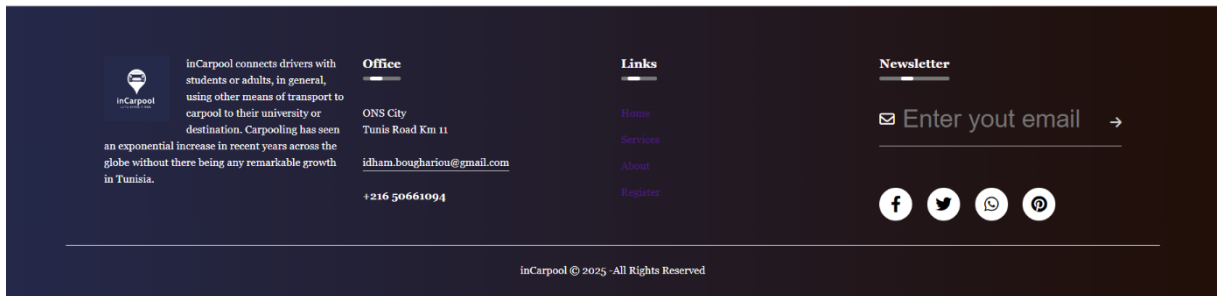
Trust who you travel with

We take the time to get to know each of our members and bus partners. We check reviews, profiles and IDs, so you know who you're travelling with and can book your ride at ease on our secure platform.



Scroll, click, tap and go!

Booking a ride has never been easier! Thanks to our simple app powered by great technology, you can book a ride close to you in just minutes.



Rayen Karray

+216 [REDACTED]

Price: 20DT

Sfax → Bizerte

Date and Time: 2025-02-28T04:00

Car: Volkswagen Passat

Available Seats: 1

Comment: Camping in Cap Serrat <3

Status: SCHEDULED

Confirm

Profil

[⊕ Edit Personal Details](#)

Upgrade your profile

Dear user, in order to ensure your safety and that of other passengers, we kindly request that you verify your identity and your driving license by uploading them.

[⊕ Upgrade](#)

Vehicles

>

[⊕ Add Vehicle](#)

Edit

Personal Details

First Name

Mahdi

Last Name

Boughariou

Identity Card Number

██████████

E-mail

idham.boughariou@gmail.com

Birthday Date

19/02/2002



Mobile Number

+216

██████████

Personal keys

USERNAME

iiMBG

OLD PASSWORD

Enter your old PASSWORD

NEW Password

Repeat your new Password

Modify

Upgrade

Personal Details

Dear user,

As part of our verification process, we kindly ask you to upload both sides of your identification and driver's license documents. Please ensure that the files are in PDF format to facilitate efficient processing. Your cooperation in providing these documents is greatly appreciated.

Upload your identity card :

Aucun fichier choisi

Upload your driving license :

Aucun fichier choisi

➤



What's your vehicle's brand?

Select a brand

⏪ Back

Next ⏩



What's your model's model?

M3

⏪ Back

Next ⏩



What is your license plate number?

010-TN-0101

◀ Back

Next ▶



What's your vehicle's state?

Comfort



Normal



Poor



◀ Back

Next ▶



Departure:

Select Departure

Destination:

Select Destination

◀ Back

Next ▶



When are you going?

21 / 12 / 2024 00 : 00

◀ Back

Next ▶

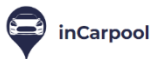


Select Your Vehicle:

Select Vehicle

◀ Back

Next ▶



So how many inCarpool passengers can you take?

—

3

+

◀Back

Next▶



Set your price per seat

—

18DT

+

Recommended price: 10DT - 30DT

Your ride is overpriced. There's a very high chance you'll end up travelling alone.

◀Back

Next▶



At what time will you pick passengers up?

23:30 ⓘ


◀Back

Next▶


Anything to add about your ride?

Hello! I'm going to visit my family. I travel with a cat and I have a lot of space in the boot!

Publish your ride

 inCarpool

+Add Offer



PROFILE

YOUR OFFERS

YOUR RIDES

LOGOUT

Mahdi Boughariou
+216 [REDACTED]

Price: 28DT

Sfax → Tunis

Date and Time: 2025-02-19T17:00

Car: Mercedes e200

Available Seats: 1


Comment: Bagage léger svp !

Status: SCHEDULED


Passengers:

Fatma Karray
+216 [REDACTED]

Ines Boughariou
+216 [REDACTED]

 inCarpool

+Add Offer



PROFILE

YOUR OFFERS

YOUR RIDES

LOGOUT

Rayen Karray
+216 [REDACTED]

Price: 20DT

Sfax → Bizerte

Date and Time: 2025-02-28T04:00

Car: Volkswagen Passat

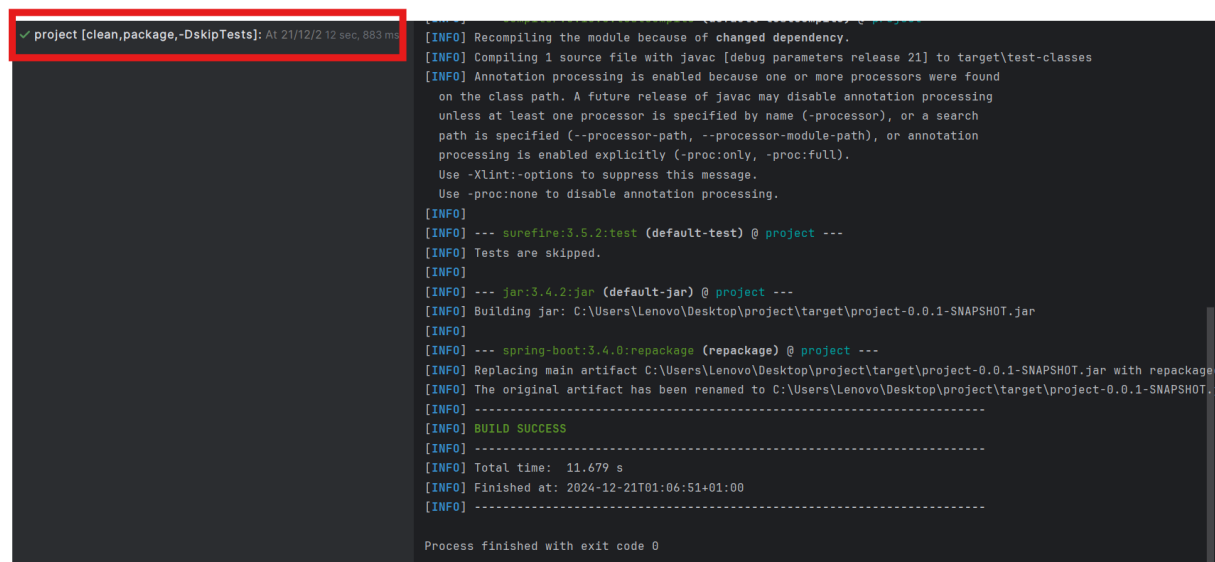
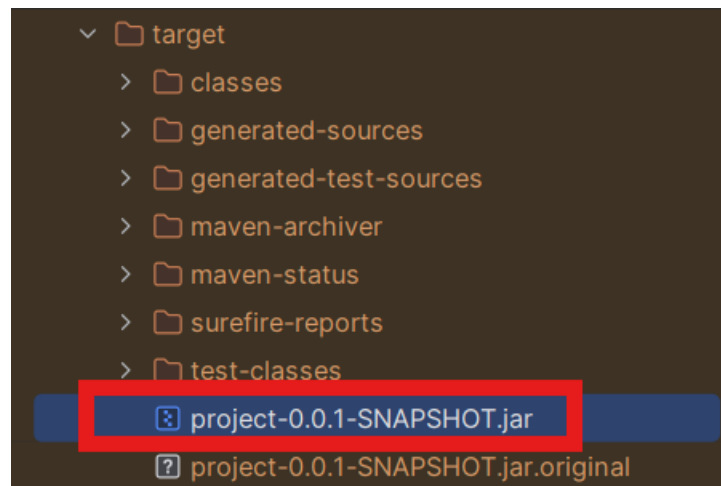
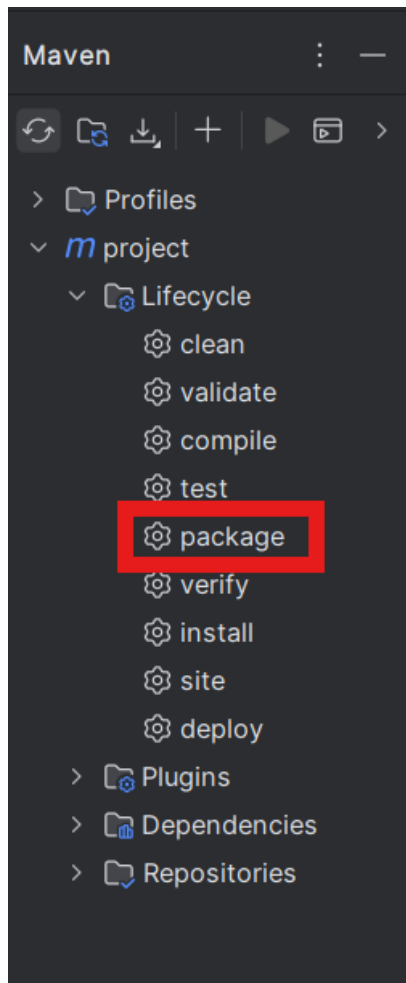
Comment: Camping in Cap Serrat <3

Status: SCHEDULED

Confirmed !

Cancel

Docker :




```
Dockerfile x docker-compose.yml application.properties
1 # Use a lightweight Java 21 image
2 FROM openjdk:21-jdk-slim
3
4 # Set the working directory
5 WORKDIR /project
6
7 # Copy the JAR file into the image
8 COPY target/project-0.0.1-SNAPSHOT.jar app.jar
9
10 # Expose the application port
11 EXPOSE 8080
12
13 # Run the Spring Boot application
14 ENTRYPOINT ["java", "-jar", "app.jar"]
15
```

```
Dockerfile x docker-compose.yml application.properties
1 services:
2   app:
3     build:
4       context: .
5       dockerfile: Dockerfile
6     ports:
7       - "8080:8080"
8     depends_on:
9       - db
10
11   db:
12     image: mysql:8.0
13     container_name: mysql-container
14     environment:
15       MYSQL_ALLOW_EMPTY_PASSWORD: "yes"
16       MYSQL_ROOT_PASSWORD:
17       MYSQL_DATABASE: newcovoiturage
18     ports:
19       - "3306:3306"
20     volumes:
21       - db_data:/var/lib/mysql
22
23   phpmyadmin:
24     image: phpmyadmin:latest
25     container_name: phpmyadmin_container
26     restart: always
27     environment:
28       PMA_HOST: mysql-container
29       MYSQL_ROOT_PASSWORD:
30       PMA_DATABASE: newcovoiturage
31     ports:
32       - "8081:80"
33
34 volumes:
35   db_data:
36
```

```
PS C:\Users\Lenovo\Desktop\project> docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS        NAMES
PS C:\Users\Lenovo\Desktop\project> docker compose up db phpmyadmin
[+] Running 3/3
  ✓ Network project_default          Created                                0.0s
  ✓ Container phpmyadmin_container    Created                                0.1s
  ✓ Container mysql-container         Created                                0.1s
Attaching to mysql-container, phpmyadmin_container
mysql-container | 2024-12-21 00:12:16+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.40-1.el9 started.
phpmyadmin_container | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.19.0.3. Set the 'ServerName' directive globally to suppress this message
phpmyadmin_container | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.19.0.3. Set the 'ServerName' directive globally to suppress this message
phpmyadmin_container | [Sat Dec 21 00:12:16.192040 2024] [mpm_prefork:notice] [pid 1:tid 1] AH00163: Apache/2.4.62 (Debian) PHP/8.2.26 configured -- resuming normal operations
phpmyadmin_container | [Sat Dec 21 00:12:16.192084 2024] [core:notice] [pid 1:tid 1] AH00094: Command line: 'apache2 -D FOREGROUND'
mysql-container | 2024-12-21 00:12:16+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
mysql-container | 2024-12-21 00:12:16+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.40-1.el9 started.
mysql-container | '/var/lib/mysql/mysql.sock' -> '/var/run/mysqld/mysqld.sock'
mysql-container | 2024-12-21T00:12:16.575685Z 0 [Warning] [MY-011068] [Server] The syntax '--skip-host-cache' is deprecated and will be removed in a future release. Please use SET GLOBAL host_cache_size=0 instead.
mysql-container | 2024-12-21T00:12:16.576677Z 0 [System] [MY-010116] [Server] /usr/sbin/mysqld (mysqld 8.0.40) starting as process 1
mysql-container | 2024-12-21T00:12:16.580877Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started.
mysql-container | 2024-12-21T00:12:16.946313Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
mysql-container | 2024-12-21T00:12:17.140358Z 0 [Warning] [MY-010068] [Server] CA certificate ca.pem is self signed.
mysql-container | 2024-12-21T00:12:17.140400Z 0 [System] [MY-013602] [Server] Channel mysql_main configured to support TLS. Encrypted connections are now supported for this channel.
mysql-container | 2024-12-21T00:12:17.145072Z 0 [Warning] [MY-011810] [Server] Insecure configuration for --pid-file: Location '/var/run/mysqld' in the path is accessible to all OS users. Consider choosing a different directory.
```

<input type="checkbox"/>	Name	Container ID	Image	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	project	-	-	-	0.63%	1 minute ago	
<input type="checkbox"/>	phpmyadmin_d230eea7da11	phpmyadmin:latest	8081:80		0%	1 minute ago	
<input type="checkbox"/>	mysql-container_c250516f3c2a	mysql:8.0	3306:3306		0.63%	1 minute ago	

```
PS C:\Users\Lenovo\Desktop\project> docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS        NAMES
c250516f3c2a   mysql:8.0      "docker-entrypoint.s..." About a minute ago Up About a minute 0.0.0.0:3306->3306/tcp, 33060/tcp mysql-container
d230eea7da11   phpmyadmin:latest "/docker-entrypoint..." About a minute ago Up About a minute 0.0.0.0:8081->80/tcp phpmyadmin_container
PS C:\Users\Lenovo\Desktop\project> docker compose up app
[+] Running 2/0
  ✓ Container mysql-container Running                                0.0s
  ✓ Container project-app-1 Created                                0.1s
Attaching to app-1
app-1 |
app-1 | . ____
app-1 | / \  / ___'  _ _ ( ) _ _ _ _ \ \ \ \
app-1 | ( ( ) \ _ _ | ' _ | ' | | ' _ _ \ \ \ \ \
app-1 | \ \ _ _ | | | | | | | | | | | | | | | |
app-1 | '  | _ _ | _ _ | | _ | | _ _ | / / / /
app-1 | =====|_|=====|_|_|/ _ _/_/_/_/
app-1 |
app-1 | :: Spring Boot ::                (v3.4.0)
app-1 |
app-1 | 2024-12-21T00:13:51.425Z INFO 1 --- [project] [main] c.c.project.ProjectApplication : Starting ProjectApplication v0.0.1-SNAPSHOT using Java 21 with PID 1 (/project/app.jar started by root in /project)
app-1 | 2024-12-21T00:13:51.427Z INFO 1 --- [project] [main] c.c.project.ProjectApplication : No active profile set, falling back to 1 default profile: "default"
app-1 | 2024-12-21T00:13:52.092Z INFO 1 --- [project] [main] j.s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
```

☒ Only show running containers

<input type="checkbox"/>	Name	Container ID	Image	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	project	-	-	-	1.18%	29 seconds ago	
<input type="checkbox"/>	phpmyadmin_d230eea7da11	phpmyadmin:latest	8081:80		0%	2 minutes ago	
<input type="checkbox"/>	mysql-container_c250516f3c2a	mysql:8.0	3306:3306		0.92%	2 minutes ago	
<input type="checkbox"/>	app-1	9c46ec0fcc27	project-app	8080:8080	0.26%	29 seconds ago	

