

RAPPORT AVEC IMPRIMES ÉCRAN DES TESTS DE L'API AVEC L'EXTENSION THUNDERCLIENT DANS VS CODE

APPLICATION DE GESTION DE GARAGE AVEC LARAVEL 12

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INTRODUCTION

Création d'une application web complète avec **Laravel 12** pour gérer les véhicules, les réparations et les techniciens, en suivant une architecture **MVC** et en mettant en place un système de **routes API**.

2. ARCHITECTURE DU PROJET

• Modèles et Relations :

- Vehicule (hasMany Reparation).
- Reparation (belongsTo Vehicule, belongsToMany Technicien).
- Technicien (belongsToMany Reparation).

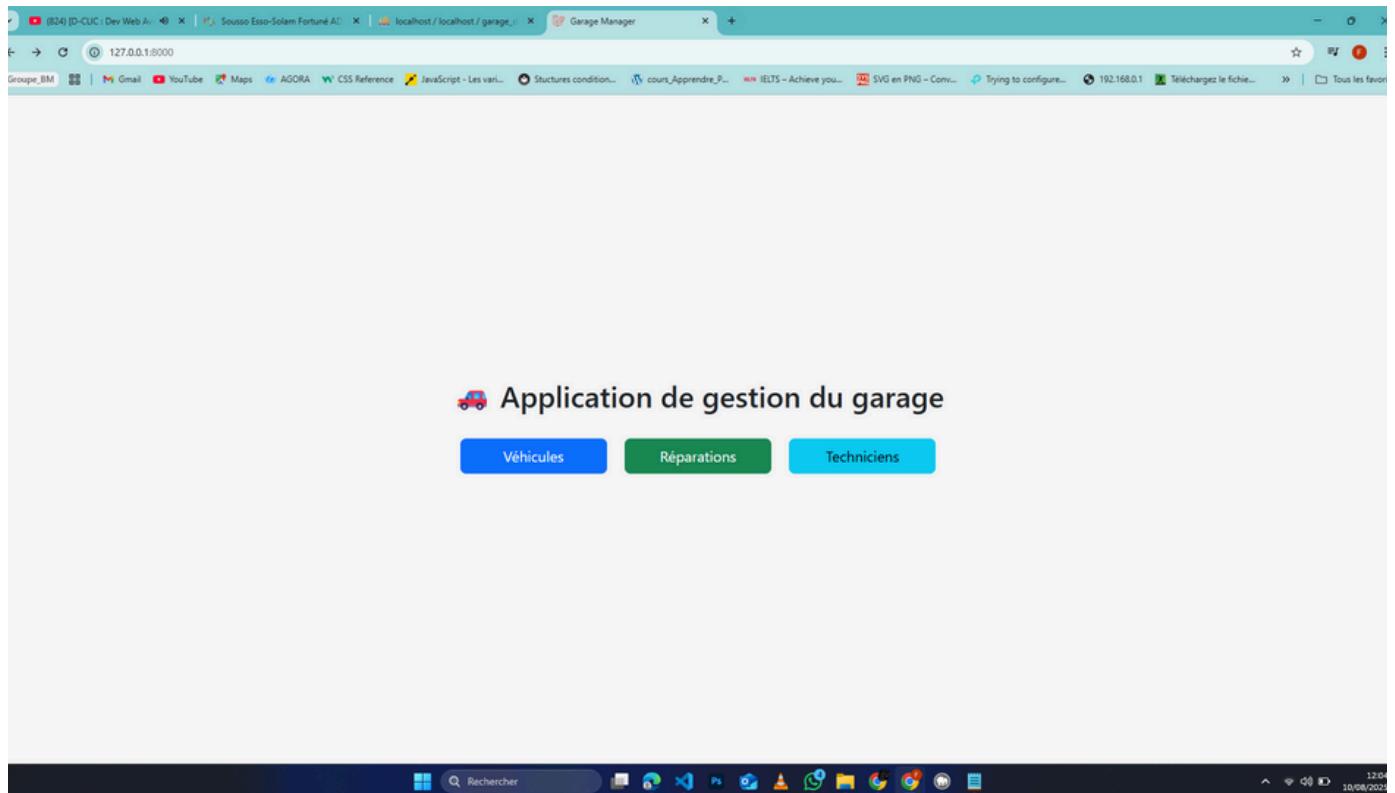
• Migrations (tables créées) :

- véhicules, reparations, techniciens, et reparation_technicien (pour la relation Many-to-Many).

#	id	immatriculation	marque	modèle	couleur	année	kilométrage	carrosserie	énergie	boîte	created_at	updated_at
1	1	DK-2213-BF	Ruecker, Mayer and Thompson	architecto	purple	1976	69218	nihil	Diesel	Manuelle	2025-08-10 10:15:56	2025-08-10 10:15:56
2	2	VV-5890-QM	Ratke Group	dolorum	purple	1998	69742	id	Diesel	Automatique	2025-08-10 10:15:56	2025-08-10 10:15:56
3	3	GA-1629-WH	Jerde-Streich	ab	gray	2004	151886	aut	Diesel	Manuelle	2025-08-10 10:15:56	2025-08-10 10:15:56
4	4	ZB-1322-AZ	Rosenbaum-Kiback	expedita	navy	1972	93443	dolorem	Diesel	Manuelle	2025-08-10 10:15:56	2025-08-10 10:15:56
5	5	TZ-0930-AB	Block, Dickinson and Schaefer	vel	fuchsia	2009	106686	laborum	Essence	Manuelle	2025-08-10 10:15:56	2025-08-10 10:15:56
6	6	QX-1927-JP	Miller Ltd	omnis	yellow	2005	113850	eius	Essence	Manuelle	2025-08-10 10:15:56	2025-08-10 10:15:56
7	7	WV-8653-VQ	Will-Murazik	repellat	fuchsia	1983	163468	consequatur	Essence	Manuelle	2025-08-10 10:15:56	2025-08-10 10:15:56
8	8	SN-3891-TK	Cummings, Rowe and Cummings	volutatem	black	1980	132446	elis	Diesel	Automatique	2025-08-10 10:15:56	2025-08-10 10:15:56
9	9	KZ-7271-CA	Swaniawski-Streich	ut	maroon	2020	188794	volutatem	Électrique	Manuelle	2025-08-10 10:15:56	2025-08-10 10:15:56
10	10	BM-3259-BE	Grady, Goldner and Farrell	quod	teal	1983	45915	officiis	Diesel	Automatique	2025-08-10 10:15:56	2025-08-10 10:15:56
11	11	LA-0424-GV	Lemke, O'Hara and Wilkinson	totam	white	2019	121984	consequatur	Diesel	Manuelle	2025-08-10 10:15:56	2025-08-10 10:15:56
12	12	YL-0166-GU	O'Conner Inc	quisquam	aqua	2012	31670	natura	Électrique	Automatique	2025-08-10 10:15:56	2025-08-10 10:15:56
13	13	IK-6164-ST	Kub, Thompson and Stiedemann	iste	aqua	1990	144479	volutatem	Diesel	Manuelle	2025-08-10 10:15:56	2025-08-10 10:15:56
14	14	OQ-8656-IY	Ulrich-Runte	eum	fuchsia	1992	30740	reprehenderit	Électrique	Automatique	2025-08-10 10:15:56	2025-08-10 10:15:56
15	15	TK-1737-AZ	Blanda Inc	occaecati	purple	1970	137061	fugit	Essence	Automatique	2025-08-10 10:15:56	2025-08-10 10:15:56
16	16	EG-3790-GJ	Bailey, Fritsch and Lemke	sunt	gray	1986	60017	cupiditate	Électrique	Manuelle	2025-08-10 10:15:56	2025-08-10 10:15:56
17	17	AP-7702-ZM	Rutherford, Rogahn and Towne	nesciunt	white	2022	38474	molestas	Essence	Manuelle	2025-08-10 10:15:56	2025-08-10 10:15:56
18	18	UW-3656-ZI	Farnell LLC	amet	maroon	1997	79726	quis	Diesel	Automatique	2025-08-10 10:15:56	2025-08-10 10:15:56
19	19	OP-3576-QS	Hammes, Towne and White	eos	green	2019	124095	aut	Électrique	Automatique	2025-08-10 10:15:56	2025-08-10 10:15:56
20	20	SA-8520-JX	Beer Ltd	et	white	1993	100472	dolorem	Électrique	Manuelle	2025-08-10 10:15:56	2025-08-10 10:15:56
21	21	OJ-5233-NK	McCullough, Lebsack and Mueller	eligendi	gray	2017	79603	aut	Essence	Automatique	2025-08-10 10:15:56	2025-08-10 10:15:56
22	22	NJ-9660-DG	Shields-Fritsch	dicta	maroon	1973	11235	explicabo	Diesel	Manuelle	2025-08-10 10:15:56	2025-08-10 10:15:56

3. INTERFACE WEB (BLADE)

- Page d'accueil



- Liste des véhicules

Liste des véhicules				
		Actions		
Immatriculation	Marque	Modèle		
DK-2213-BF	Ruecker, Mayer and Thompson	architecto	<button>Modifier</button>	<button>Supprimer</button>
VV-5890-QM	Ratke Group	dolorum	<button>Modifier</button>	<button>Supprimer</button>
GA-1629-WH	Jerde-Streich	ab	<button>Modifier</button>	<button>Supprimer</button>
ZB-1322-AZ	Rosenbaum-Kilback	expedita	<button>Modifier</button>	<button>Supprimer</button>
TZ-0930-AB	Block, Dickinson and Schaefer	vel	<button>Modifier</button>	<button>Supprimer</button>
QX-1927-JP	Miller Ltd	omnis	<button>Modifier</button>	<button>Supprimer</button>
WI-8652-VQ	Will-Murazik	repellat	<button>Modifier</button>	<button>Supprimer</button>
SN-3801-TK	Cummings, Rowe and Cummings	voluptatem	<button>Modifier</button>	<button>Supprimer</button>
KZ-7271-CA	Swaniawski-Streich	ut	<button>Modifier</button>	<button>Supprimer</button>
BM-3259-BE	Grady, Goldner and Farrell	quod	<button>Modifier</button>	<button>Supprimer</button>
LA-0424-GV	Lemke, O'Hara and Wilkinson	totam	<button>Modifier</button>	<button>Supprimer</button>
YL-0166-GU	O'Conner Inc	quisquam	<button>Modifier</button>	<button>Supprimer</button>
IK-6164-ST	Kub, Thompson and Stiedemann	iste	<button>Modifier</button>	<button>Supprimer</button>
OQ-8656-IY	Ullrich-Runte	eum	<button>Modifier</button>	<button>Supprimer</button>
TK-1737-AZ	Blanda Inc	occaecati	<button>Modifier</button>	<button>Supprimer</button>

- Liste des réparations

Réparations

Date	Objet	Véhicule	Techniciens	Actions
1994-05-26	Voluptas molestias eum sapiente atque consequatur veritatis.	LA-0424-GV	Milan	Modifier Supprimer
2025-08-10	Ceci est un test de Fortuné ADJAGBA	YL-0166-GU	Adrianna, Milan, Iliana, Alvena	Modifier Supprimer
2022-02-23	Cupiditate voluptate fuga molestiae quaerat aliquam soluta reiciendis.	IK-6164-ST	Francesca, Alvena	Modifier Supprimer
2025-01-31	Nam sit omnis commodi cumque necessitatibus sint.	OQ-8656-IY	Adrianna, Iliana, Alvena	Modifier Supprimer
1971-08-16	Quos similique et pariatur est.	TK-1737-AZ	Adrianna, Francesca, Iliana	Modifier Supprimer
1971-03-20	Iusto est vitae consectetur quisquam.	EG-3790-GJ	Francesca	Modifier Supprimer
1981-01-11	Aspernatur recusandae laborum ducimus quo.	AP-7702-ZM	Adrianna, Milan	Modifier Supprimer
1971-12-17	Vero enim aliquid repellendus sit fugiat.	UW-3696-ZI	Francesca, Milan, Alvena	Modifier Supprimer
1983-02-15	Vel iste et necessitatibus odio suscipit.	OP-3576-QS	Adrianna, Milan, Alvena	Modifier Supprimer
2019-04-20	Sed blanditiis est tenetur sunt blanditiis.	SA-8520-JX	Francesca, Milan, Iliana	Modifier Supprimer
1974-11-28	Qui amet ratione quo.	OJ-5233-NK	Adrianna	Modifier Supprimer
1998-02-23	Aut sunt voluptate dolor molestiae cum omnis.	NJ-8608-DG	Adrianna, Milan, Iliana	Modifier Supprimer
1974-08-17	Id aliquam est officia repellendus.	PZ-8301-DM	Francesca	Modifier Supprimer
1991-11-05	Aut cumque ut dolorum sed et a dolor natus.	OF-4831-UD	Milan	Modifier Supprimer
2013-04-08	Numquam fuga voluptatibus sit tempore.	HS-5633-LK	Francesca, Alvena	Modifier Supprimer

- Liste des techniciens

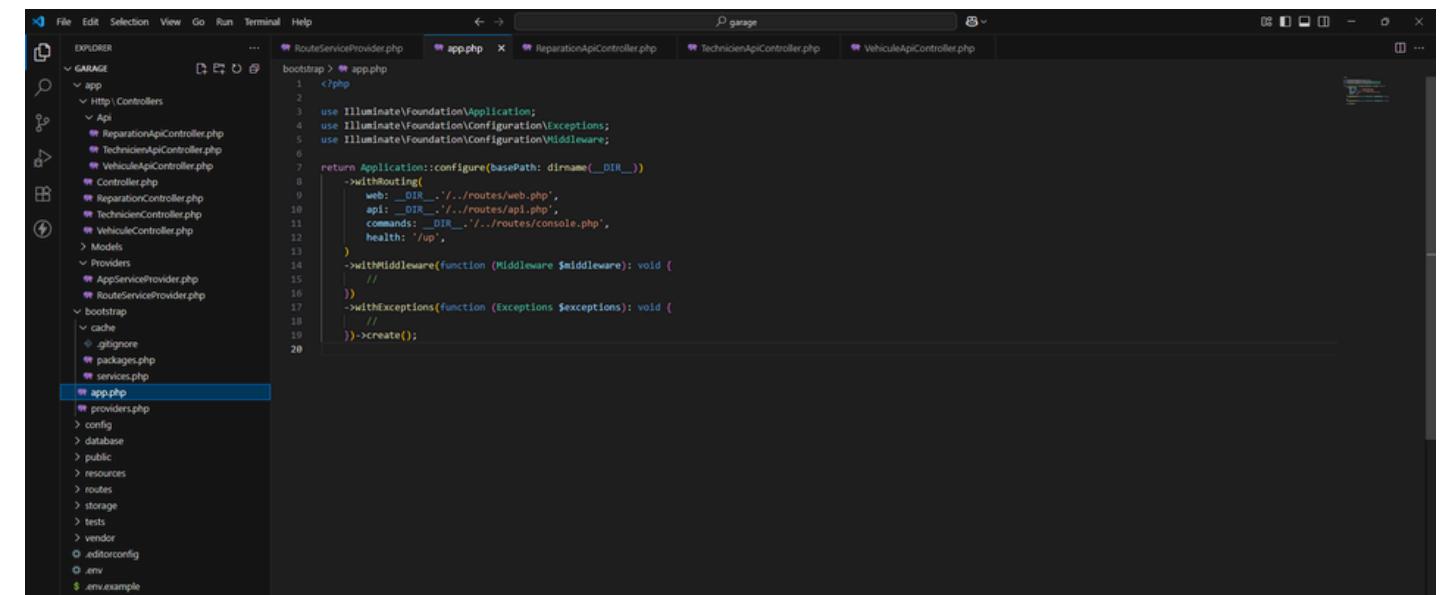
Techniciens

Nom	Prénom	Spécialité	Actions
Stracke	Adrianna	Mécanique	Modifier Supprimer
Cassin	Francesca	Mécanique	Modifier Supprimer
Littel	Milan	Électricité	Modifier Supprimer
Price	Iliana	Mécanique	Modifier Supprimer
Carter	Alvena	Carrosserie	Modifier Supprimer

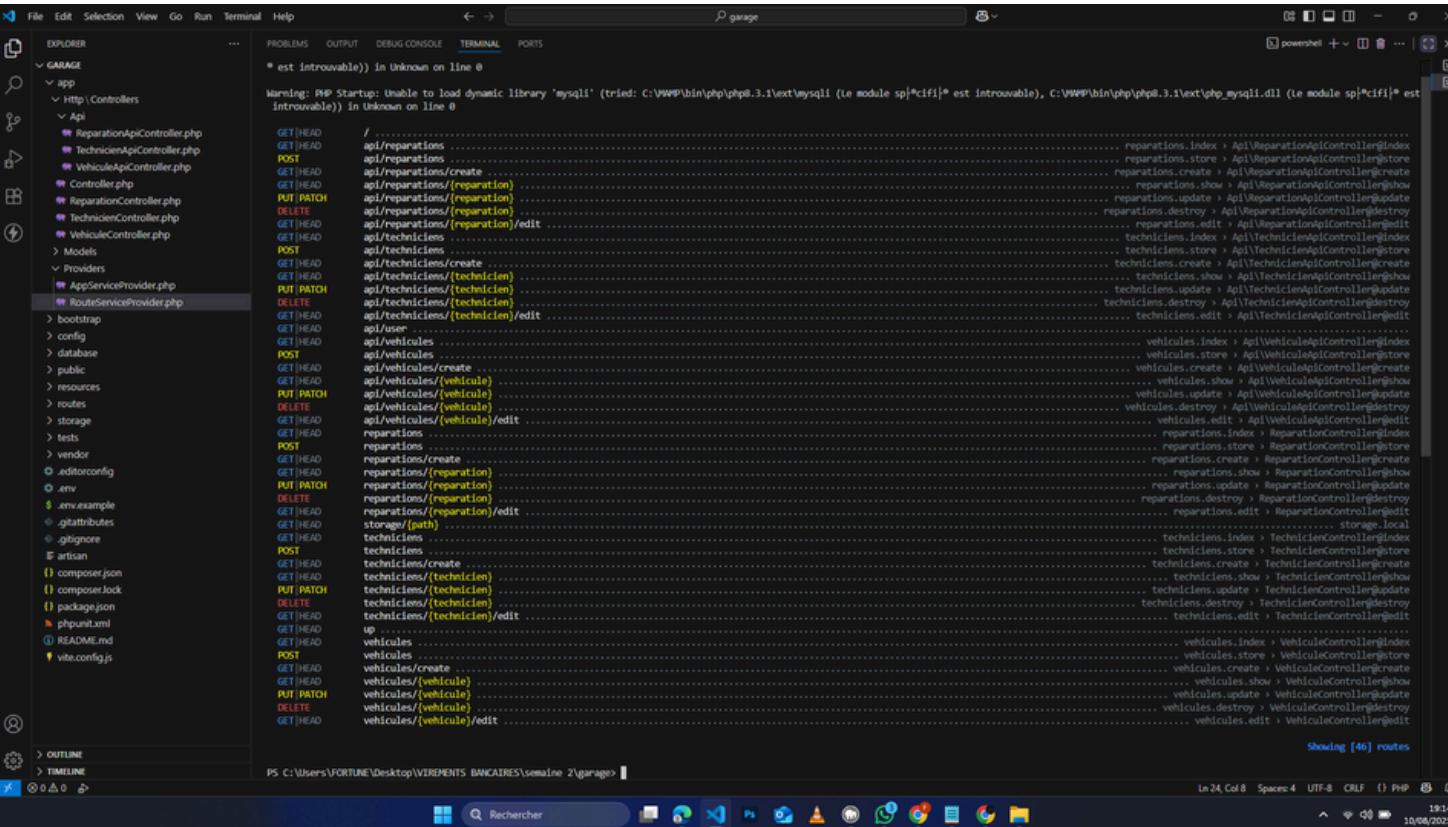
4. TESTS DES API AVEC THUNDERCLIENT

Pour tester les routes API du projet, j'ai utilisé l'extension **Thunderclient** dans **VS Code**. La première étape a été de s'assurer que les routes API étaient correctement configurées. Après avoir rencontré une erreur **404 Not Found**, il a été nécessaire de vérifier la configuration du fichier **bootstrap/app.php** pour s'assurer que les routes API étaient bien chargées par le framework.

Une fois que les routes ont été rendues visibles par la commande "**php artisan route:list**" (voir capture ci-dessous), la mise en place a été confirmée.



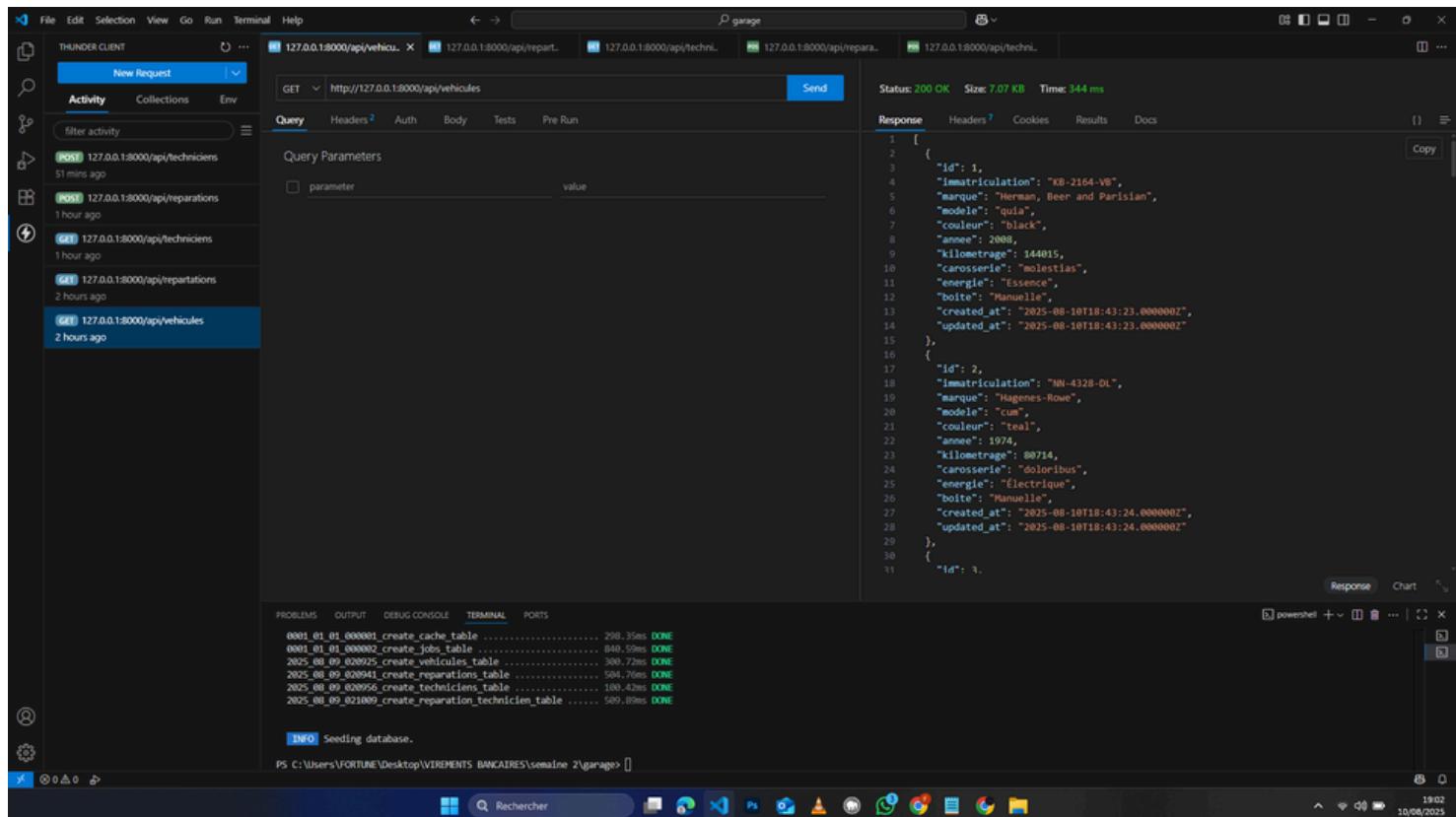
The screenshot shows the VS Code interface with the file `app.php` open in the editor. The code defines the bootstrapping logic for the application, including the configuration of base paths for web, API, and console routes, and the creation of middleware and exception handlers.



The screenshot shows the VS Code interface with the terminal tab active, displaying the output of the command `php artisan route:list`. The output lists 46 routes across various controllers (ReparationApiController, TechnicienApiController, VehicleApiController) and other components, including routes for index, show, store, update, and destroy actions, as well as routes for creating new entities.

Les tests ont ensuite été effectués pour chaque ressource :

- **Véhicules** : La requête GET sur l'URL **http://127.0.0.1:8000/api/vehicules** a fonctionné et a retourné un statut 200 OK avec la liste des véhicules au format JSON.



The screenshot shows the Thunder Client interface with a successful HTTP request to `http://127.0.0.1:8000/api/vehicles`. The response status is 200 OK, size is 7.07 KB, and time is 344 ms. The response body is a JSON array containing two vehicle objects:

```
[{"id": 1, "immatriculation": "KB-2164-VB", "marque": "Herman, Beer and Parisian", "modele": "quia", "couleur": "black", "annee": 2008, "kilometrage": 144015, "carrosserie": "molestias", "energie": "Essence", "boite": "Manuelle", "created_at": "2025-08-10T18:43:23.000000Z", "updated_at": "2025-08-10T18:43:23.000000Z"}, {"id": 2, "immatriculation": "NN-4328-DL", "marque": "Vagones-Rov", "modele": "cum", "couleur": "teal", "annee": 1974, "kilometrage": 88714, "carrosserie": "dolobibus", "energie": "Electrique", "boite": "Manuelle", "created_at": "2025-08-10T18:43:24.000000Z", "updated_at": "2025-08-10T18:43:24.000000Z"}, {"id": 3, "immatriculation": "PQ-1234-AB", "marque": "Vagones-Rov", "modele": "cum", "couleur": "teal", "annee": 1974, "kilometrage": 88714, "carrosserie": "dolobibus", "energie": "Electrique", "boite": "Manuelle", "created_at": "2025-08-10T18:43:24.000000Z", "updated_at": "2025-08-10T18:43:24.000000Z"}]
```

The terminal tab shows database seeding logs:

```
PS C:\Users\FORTUNE\Desktop\VIREMENTS_BANCAIRES\semaine_2\garage>
```

• Réparations :

- La requête GET sur **/api/reparations** a également abouti avec un statut 200 OK, affichant la liste des réparations.
- La requête POST sur **/api/reparations** a d'abord rencontré une erreur 405 Method Not Allowed, car le corps de la requête n'était pas correctement formaté. Après avoir configuré le corps en JSON avec les données requises, la requête a abouti avec un statut 201 Created, confirmant l'ajout d'une nouvelle réparation. (**Voir captures ci-dessus**)

THUNDER CLIENT

New Request

Activity Collections Env

filter activity

Query Headers Auth Body Tests Pre Run

GET <http://127.0.0.1:8000/api/repairs> Send

Status: 200 OK Size: 14.67 KB Time: 389 ms

Response Headers Cookies Results Docs

```

1 [
2   {
3     "id": 1,
4     "vehicule_id": 11,
5     "date": "1975-05-30T",
6     "duree_main_oeuvre": "3 heures",
7     "objet_reparation": "Autem tempore modi voluptas nam velit et nisi",
8     "created_at": "2025-08-10T18:43:24.000000Z",
9     "updated_at": "2025-08-10T18:43:24.000000Z",
10    "vehicule": {
11      "id": 11,
12      "immatriculation": "SL-8259-LK",
13      "marque": "Nicolae-prohaska",
14      "modele": "aliquid",
15      "couleur": "green",
16      "annee": 2014,
17      "kilometrage": 122880,
18      "carrosserie": "repudiandae",
19      "energie": "Diesel",
20      "boite": "Automatique",
21      "created_at": "2025-08-10T18:43:24.000000Z",
22      "updated_at": "2025-08-10T18:43:24.000000Z"
23    },
24    "techniciens": [
25      {
26        "id": 1,
27        "nom": "Hickle",
28        "prenom": "Clet",
29        "specialite": "Electricité",
30        "created_at": "2025-08-10T18:43:24.000000Z",
31        "updated_at": "2025-08-10T18:43:24.000000Z"
32      }
33    ]
34  }
35]

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

2025-08-10 18:44:37 /api/repairs ~ 517.13ms
2025-08-10 18:45:11 /repairs ~ 592.86ms
2025-08-10 18:45:11 /favicon.ico ~ 1.03ms
2025-08-10 18:45:33 /api/repairs ~ 5 2025-08-10 18:45:11 /repairs ~ 502.86ms
2025-08-10 18:45:11 /favicon.ico ~ 1.03ms
2025-08-10 18:50:23 / ~ 514.68ms
2025-08-10 18:50:24 /favicon.ico ~ 0.97ms
2025-08-10 18:52:41 /repairs ~ 1s
2025-08-10 18:52:42 /favicon.ico ~ 1.14ms
2025-08-10 18:52:42 /favicon.ico ~ 1.23ms
2025-08-10 18:52:42 /favicon.ico ~ 1.23ms

Response Chart

THUNDER CLIENT

New Request

Activity Collections Env

filter activity

Query Headers Auth Body Tests Pre Run

POST <http://127.0.0.1:8000/api/repairs> Send

Status: 405 Method Not Allowed Size: 256.43 KB Time: 3.50 s

Response Headers Cookies Results Docs

```

1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="utf-8" />
5     <meta name="viewport" content="width=device-width, initial-scale=1" />
6     <title>Laravel</title>
7     <link rel="icon" type="image/svg+xml" href="data:image/svg+xml,%3Csvg viewBox='0 0 11376601 497425785 5131690859' xmlns='http://www.w3.org/2000/svg'%3E%3Cpath d='M9.622 11.5644.809 .0 0 .028 .20910.972a.8.8 0 0 1 -.402.691-9.209 5.382v10.599c.0 .286-.152.55-.4.6941-19.223 11.066c-.044.025-.092.041-.14.058-.018.006-.035.017-.054.022a.885.805 0 0 1 -.41.0c-.022-.006-.042-.018-.063-.026-.044-.016-.09-.03-.132-.051-19.219-11.066a.801.801 0 0 1 -.402-.694-32.916c0-.072.01-.142.028-.21.006-.023.02-.044.028-.015-.026.037-.047.055-.071.023-.032.044-.065.071-.093.023-.023.051-.04.079-.06.029-.024.055-.05.088-.069h.00119.61-5.533a.802.802 0 0 1 .8.019.61.5.533.002c.032.02.059.045.088.068.026.02.055.038.078.06.028.029.048.062.072.094.017.024.04.045.054.071.021.04.036.002.052.124.068.023.022.044.028.068a.809.809 0 0 1 .028.009v20.55918.0084.611v-10.51c0-.07.01-.141.028-.208.007-.024.02-.045.028-.068.016-.042.03-.005.052-.124.015-.026.037-.047.054-.071.024-.032.044-.065.072-.093.023-.023.052-.04.078-.06.03-.024.056-.05.088-.069a.00119.61-5.533a.801.801 0 0 1 .8.019.61.5.533.002c.032.02.059.045.088.068.026.02.055.038.079.036.002.052.124.009.023.024.044.028.068z-1.574 10.718v-9.124l-3.363 1.936-4.646 2.675v9.124l8.01-4.611zv9.61 16.505v-9.131-4.57 2.61-13.057 7.448v9.216z-36.84-31.068v1.968l17.018 10.143v9.214l-9.204-5.289-.003-.002-.004-.002c-.031-.018-.057-.044-.086-.066-.025-.02-.054-.036-.076-.0581-.002-.003c-.026-.025-.044-.056-.066-.084-.07-.077-.044-.05-.0781-.001-.001c-.018-.03-.079-.066
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

2025-08-10 18:44:37 /api/repairs ~ 517.13ms
2025-08-10 18:45:11 /repairs ~ 592.86ms
2025-08-10 18:45:11 /favicon.ico ~ 1.03ms
2025-08-10 18:45:33 /api/repairs ~ 5 2025-08-10 18:45:11 /repairs ~ 502.86ms
2025-08-10 18:45:11 /favicon.ico ~ 1.03ms
2025-08-10 18:50:23 / ~ 514.68ms
2025-08-10 18:50:24 /favicon.ico ~ 0.97ms
2025-08-10 18:52:41 /repairs ~ 1s
2025-08-10 18:52:42 /favicon.ico ~ 1.14ms
2025-08-10 18:52:42 /favicon.ico ~ 1.23ms
2025-08-10 19:05:29 /api/repairs ~ 583.73ms

Response Preview Chart

THUNDER CLIENT

New Request

Activity Collections Env

filter activity

POST 127.0.0.1:8000/api/techniciens 51 mins ago

POST 127.0.0.1:8000/api/reparations 1 hour ago

PUT 127.0.0.1:8000/api/techniciens 1 hour ago

PUT 127.0.0.1:8000/api/reparations 2 hours ago

PUT 127.0.0.1:8000/api/vehicules 2 hours ago

garage

POST http://127.0.0.1:8000/api/reparations Send

Status: 201 Created Size: 199 Bytes Time: 681 ms

Response Headers Cookies Results Docs

JSON Content Format

```

1 {
2   "vehicule_id": 1,
3   "date": "2025-08-10",
4   "duree_main_oeuvre": "3h",
5   "objet_reparation": "Changement des freins",
6   "updated_at": "2025-08-10T18:45:33.000000Z",
7   "created_at": "2025-08-10T18:45:33.000000Z",
8   "id": 17
9 }

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

2025-08-10 18:44:37 /api/reparations ~ 517.13ms
2025-08-10 18:45:11 /reparations ~ 502.86ms
2025-08-10 18:45:11 /favicon.ico ~ 1.03ms
2025-08-10 18:45:33 /api/reparations ~ 5 2025-08-10 18:45:11 /reparations ~ 502.86ms
2025-08-10 18:45:33 /favicon.ico ~ 1.03ms
2025-08-10 18:45:33 / ~ 514.09ms
2025-08-10 18:45:33 /favicon.ico ~ 0.91ms
2025-08-10 18:52:41 /reparations ~ 15
2025-08-10 18:52:42 /reparations ~ 1.14ms
2025-08-10 18:52:42 /favicon.ico ~ 1.23ms

Rechercher

19:04 10/08/2025

DevWeb_A_072025_Exercice d'entraînement

localhost / localhost / garage /

Garage Manager

Google Gemini

RETOUR à l'accueil Ajouter

Date	Objet	Véhicule	Techniciens	Actions
1975-05-30	Autem tempore modi voluptas nam velit et nisi.	SL-8259-UC	Otela Albina Pierce	Modifier Supprimer
2022-06-10	At neque est rerum labore.	UH-7313-WO	Otela Rebecca	Modifier Supprimer
1983-11-03	Qui dolorem natus inventore cupiditate reiciendis voluptatem.	RC-4736-T0	Otela Carol Rebecca	Modifier Supprimer
2014-09-17	Nemo necessitatibus vel nisi reprehenderit non sit.	SO-7992-EP	Carol Albina Pierce	Modifier Supprimer
2000-03-31	Fugiat et dolorem aliquam autem.	RC-8760-PG	Pierce	Modifier Supprimer
1976-05-29	Adipisci tempora qui minima omnis quaerat rerum aut.	VW-2956-RZ	Carol Albina	Modifier Supprimer
1995-01-10	Rerum magnam similique reiciendis beatae iste illi.	ZG-7126-GK	Carol Albina	Modifier Supprimer
2023-03-18	A ipsum dicta suscipit tenetur minima.	NT-5755-ON	Otela	Modifier Supprimer
2024-01-21	Officia velit sapiente dignissimos quia et sit id.	LW-8680-KH	Rebecca Pierce	Modifier Supprimer
2011-06-30	Voluptatem mollitia aperiam labore tenetur aliquam possimus.	KZ-6924-UR	Otela Rebecca	Modifier Supprimer
2002-02-10	Aliquid nam et autem maiores ut vitae.	UG-4065-SK	Carol Rebecca	Modifier Supprimer
1973-09-17	Voluptas ea soluta sit.	SH-4215-GO	Carol Albina Pierce	Modifier Supprimer
1974-06-23	Odit vel quos enim non quae nesciunt.	TF-8224-JB	Otela Albina Pierce	Modifier Supprimer
2002-12-07	A exercitationem sapiente ea deleniti accusantium dolor omnis.	DZ-1640-PJ	Albina Rebecca Pierce	Modifier Supprimer
1983-08-26	Aliquam laudantium quo quisquam laudantium rerum quasi.	NY-7724-FA	Albina	Modifier Supprimer
2025-08-10	Changement des freins	KB-2164-VB		Modifier Supprimer
2025-08-10	Changement des freins	KB-2164-VB		Modifier Supprimer

Rechercher

19:07 10/08/2025

- **Techniciens :**
 - **Les requêtes GET et POST sur /api/techniciens** ont été testées de la même manière et ont réussi, permettant à la fois de lister les techniciens et d'en créer de nouveaux.

```

[{"id": 1, "nom": "Hickle", "prenom": "Cleta", "specialite": "électricité", "created_at": "2025-08-10T18:43:24.000000Z", "updated_at": "2025-08-10T18:43:24.000000Z"}, {"id": 2, "nom": "Jemlak", "prenom": "Carol", "specialite": "carrosserie", "created_at": "2025-08-10T18:43:24.000000Z", "updated_at": "2025-08-10T18:43:24.000000Z"}, {"id": 3, "nom": "Rippin", "prenom": "Albina", "specialite": "électricité", "created_at": "2025-08-10T18:43:24.000000Z", "updated_at": "2025-08-10T18:43:24.000000Z"}, {"id": 4, "nom": "Bode", "prenom": "Rebeca", "specialite": "mécanique", "created_at": "2025-08-10T18:43:24.000000Z", "updated_at": "2025-08-10T18:43:24.000000Z"}]

```

The screenshot shows a Thunder Client interface with multiple tabs open. The active tab is 'garage' with the URL `http://127.0.0.1:8000/api/techniciens`. The response status is 200 OK, size 797 bytes, and time 342 ms. The response body is a JSON array of four technician objects. Below the main interface, there's a terminal window showing logs related to API requests for reparations and favicon.ico files.

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <title>Laravel</title>
    <link rel="icon" type="image/svg+xml" href="data:image/svg+xml,%3Csvg viewBox='0 0 100 100' xmlns='http://www.w3.org/2000/svg'%3E%3Cpath d='M 50 50 Q 75 50 75 75 T 75 75 Z'/%3E%3C/svg>">
</head>
<body>
    <h1>Method Not Allowed</h1>
    <p>HTTP Method Not Allowed</p>
    <p>The specified HTTP method is not allowed for the requested resource.</p>
    <p>Allowed methods: GET, HEAD, PUT, PATCH, POST, DELETE, OPTIONS, TRACE, CONNECT, and any other methods defined by the server's configuration.</p>
    <p>For more information, see the <a href='https://laravel.com/docs/master/controllers#restful-methods'>RESTful Methods documentation</a>.</p>
</body>

```

The screenshot shows a Thunder Client interface with multiple tabs open. The active tab is 'garage' with the URL `http://127.0.0.1:8000/api/techniciens`. The response status is 405 Method Not Allowed, size 256.41 KB, and time 1.03 s. The response body is the Laravel default error page for a method not allowed. Below the main interface, there's a terminal window showing logs related to API requests for reparations and favicon.ico files.

The screenshot shows the Thunder Client interface. On the left, a sidebar lists recent API requests. In the main area, a POST request to `http://127.0.0.1:8000/api/techniciens` is selected. The request body contains the following JSON:

```

1 {
2   "nom": "Fortuné",
3   "prenom": "ADJAGBA",
4   "specialite": "Mécanique"
5 }

```

The response pane shows a status of **201 Created**, size of **164 Bytes**, and time of **442 ms**. The response body is identical to the request body.

The screenshot shows a web browser window titled "Techniciens". The page displays a table of technician data with columns: Nom, Prénom, Spécialité, and Actions (Modifier, Supprimer). A blue oval highlights the last row, which contains the data: Fortuné, ADJAGBA, Mécanique. The browser's address bar shows the URL `127.0.0.1:8000/techniciens`.

Nom	Prénom	Spécialité	Actions
Hickle	Cleta	Électricité	<button>Modifier</button> <button>Supprimer</button>
Zemlak	Carol	Carrosserie	<button>Modifier</button> <button>Supprimer</button>
Rippin	Albina	Électricité	<button>Modifier</button> <button>Supprimer</button>
Bode	Rebeca	Mécanique	<button>Modifier</button> <button>Supprimer</button>
Jacobson	Pierce	Carrosserie	<button>Modifier</button> <button>Supprimer</button>
Fortuné	ADJAGBA	Mécanique	<button>Modifier</button> <button>Supprimer</button>

En conclusion, toutes les **routes API** pour les opérations de base de lecture (**GET**) et de création (**POST**) ont été validées avec succès, ce qui démontre le bon fonctionnement de la couche **API RESTful** de l'application Laravel.