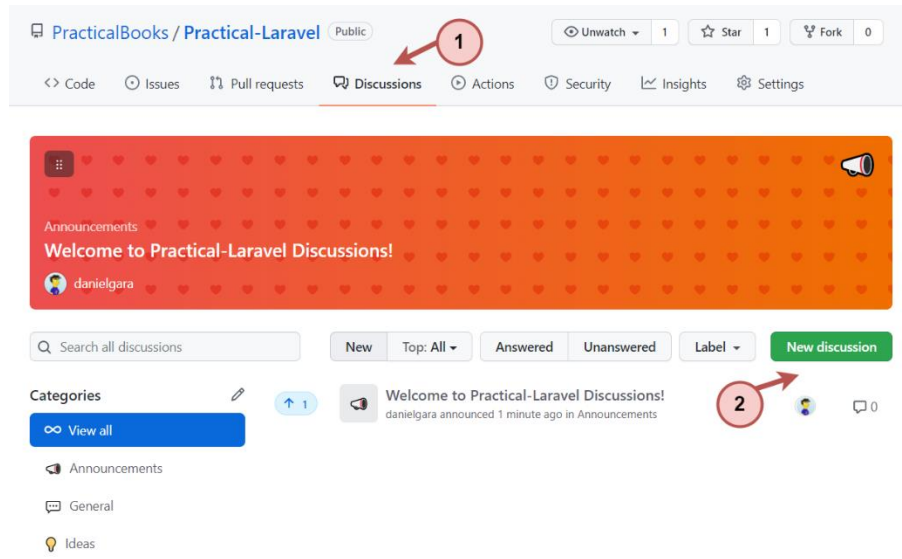# Practical Laravel Book Images

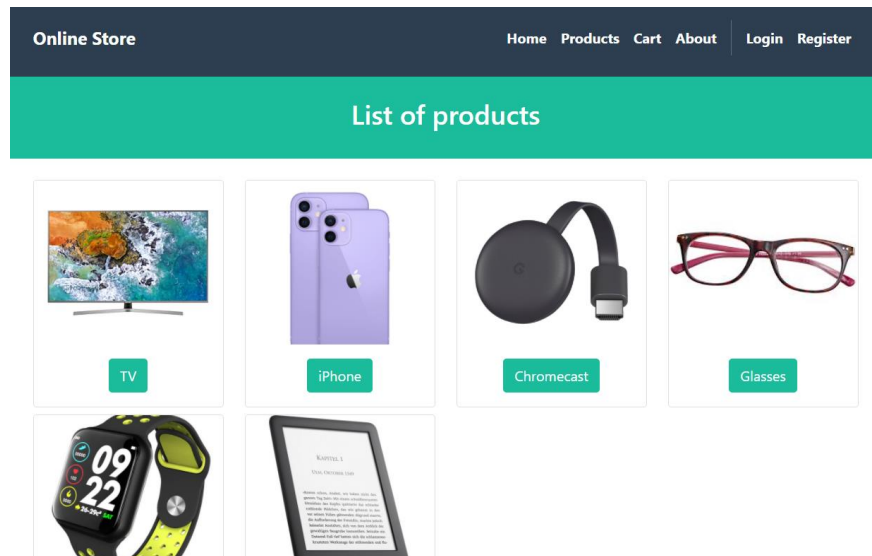Figure P-1. Discussion zone of the GitHub repository.

Figure 1-1. List of products page.
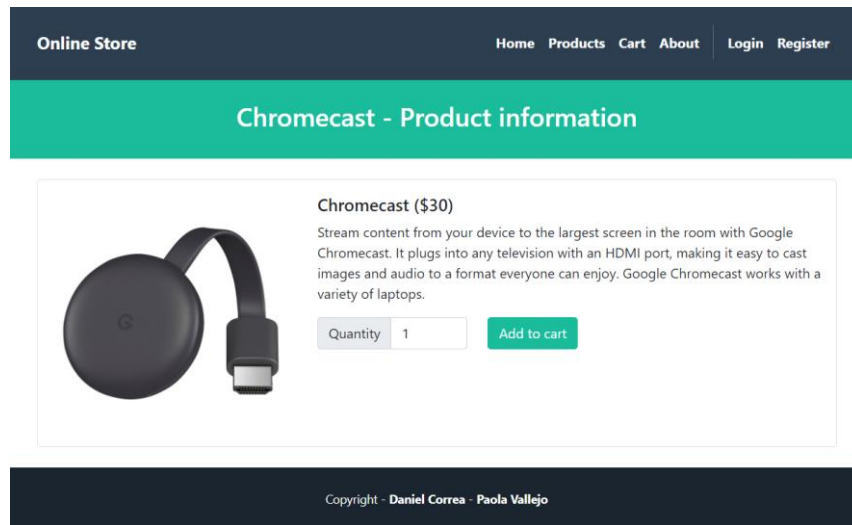
Figure 1-2. Product page.

Figure 1-3. Shopping cart page.
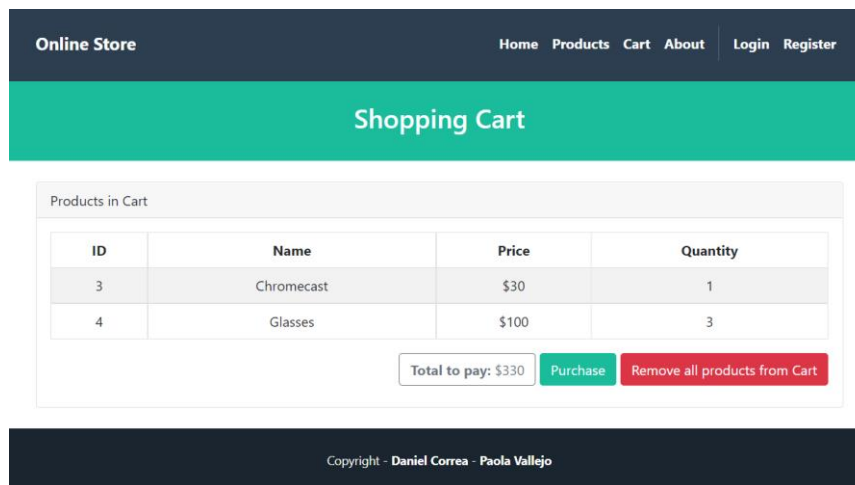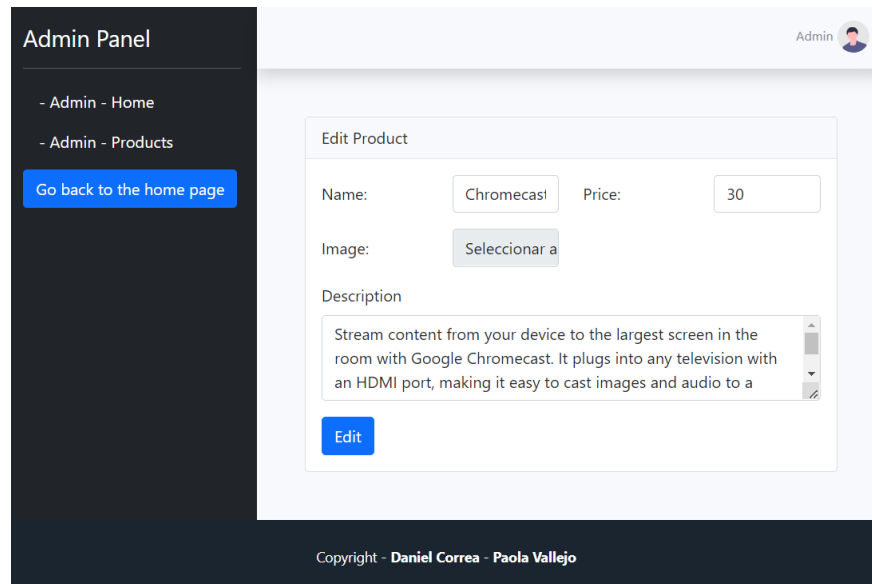
Figure 1-4. Admin panel page.

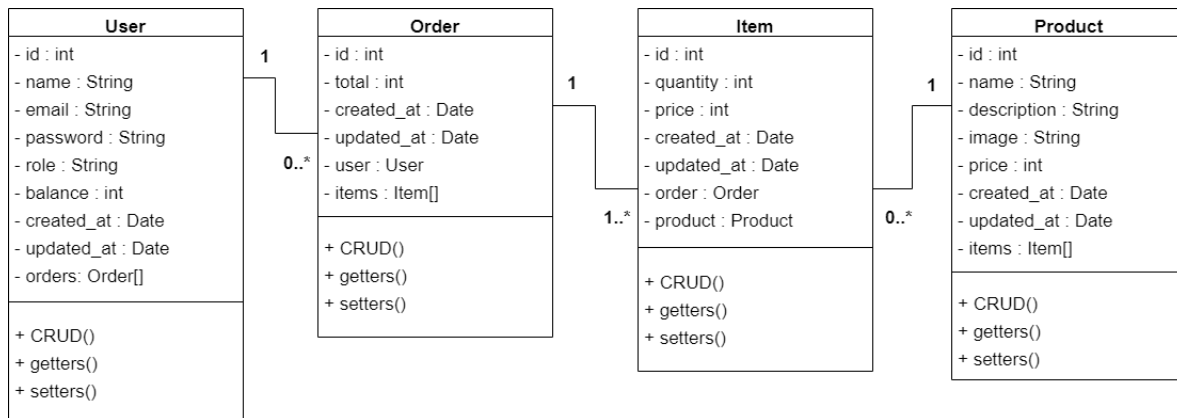Figure 2-1. Online Store class diagram.

Figure 3-1. Checking PHP version.

Figure 3-2. Checking composer version.

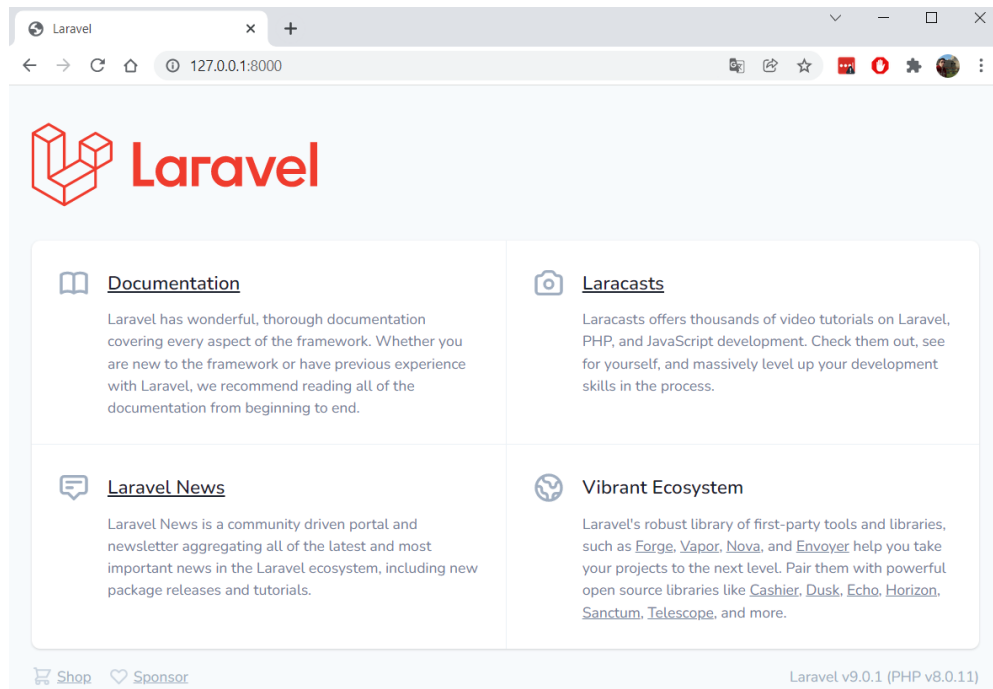Figure 3-3. Running Laravel project.

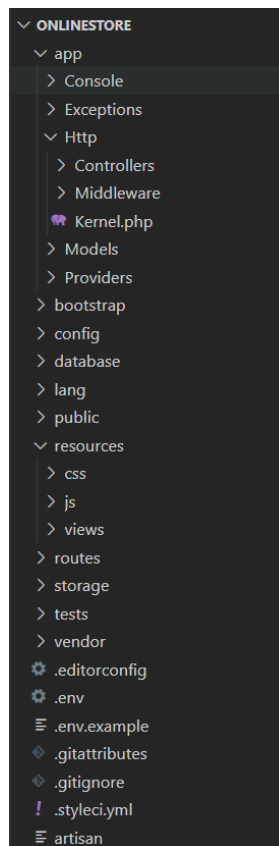Figure 3-4. Laravel 9 default page.

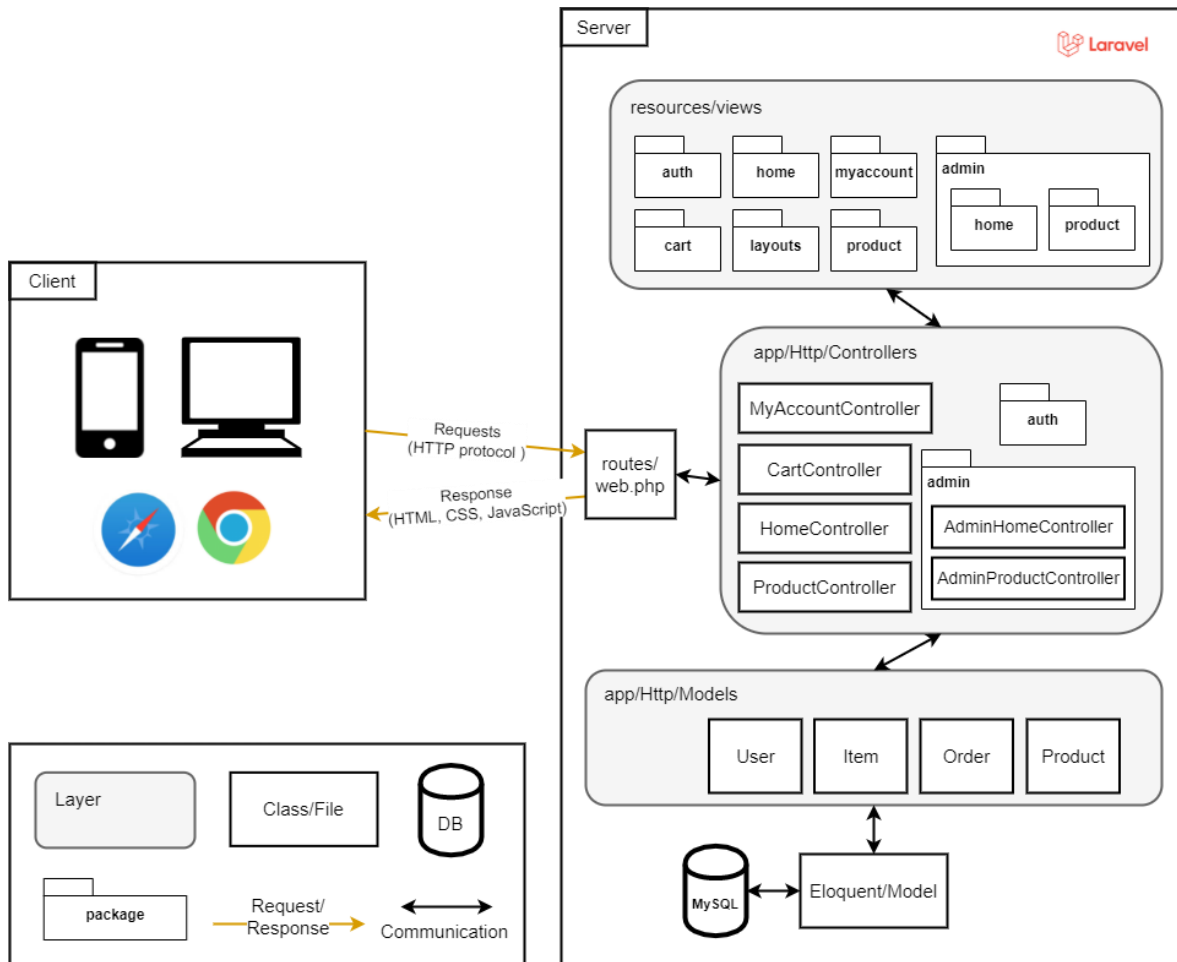Figure 3-5. Laravel Project structure.

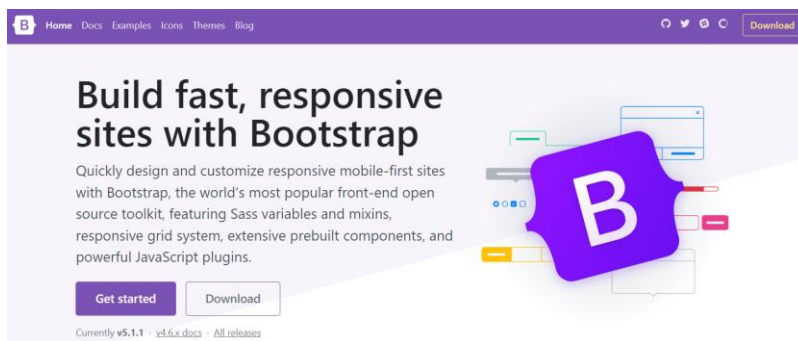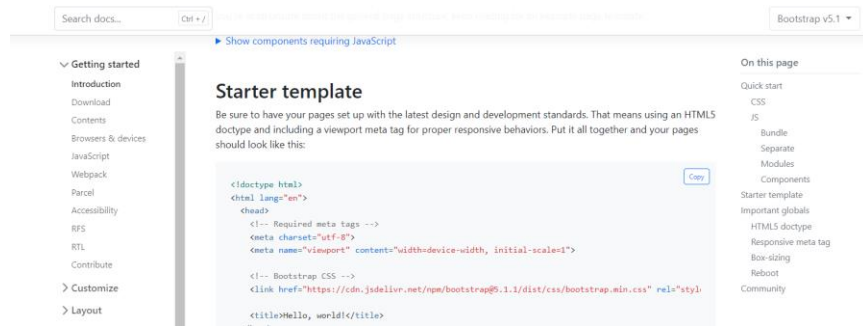Figure 4-1. Online Store software architecture.

Figure 5-1. Bootstrap website.

Figure 5-2. Bootstrap starter template.
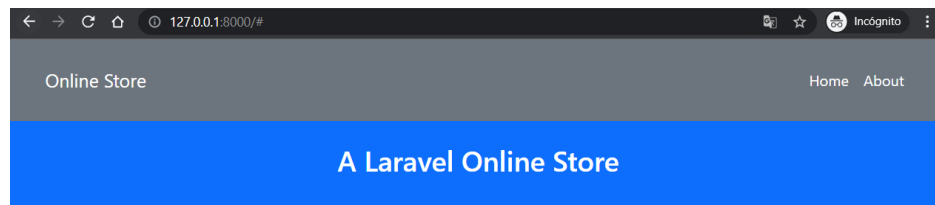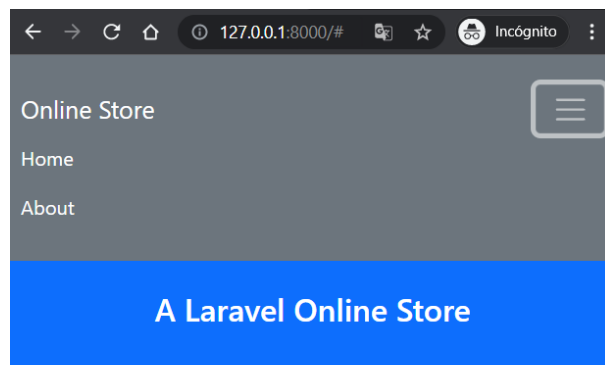

Figure 5-3. Application home page with the layout.

Figure 5-4. Application home page with reduced browser window width.
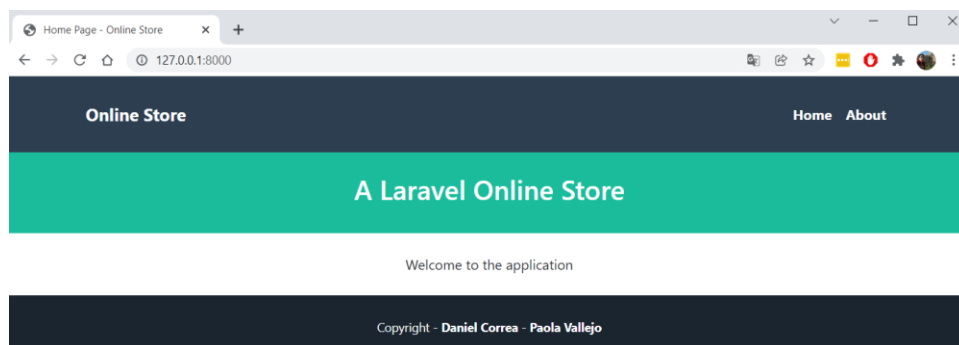

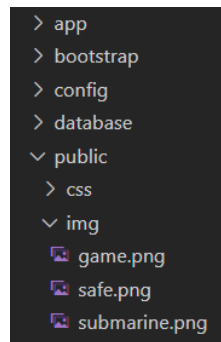Figure 5-5. Application home page with the refined layout.

Figure 6-1. Project structure after storing the images.

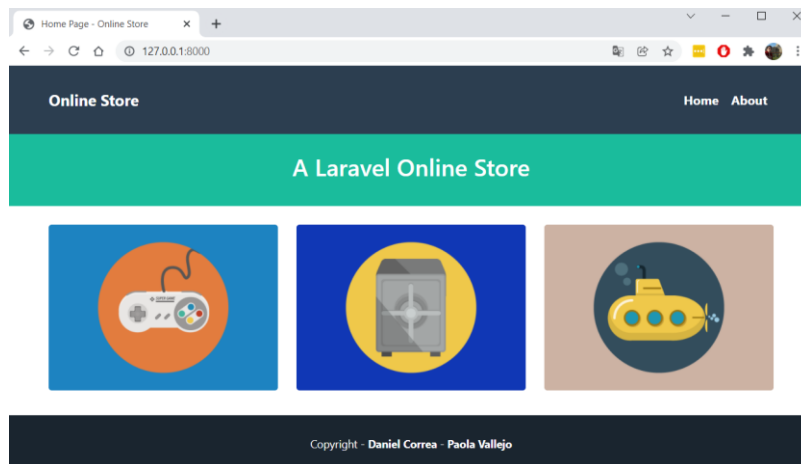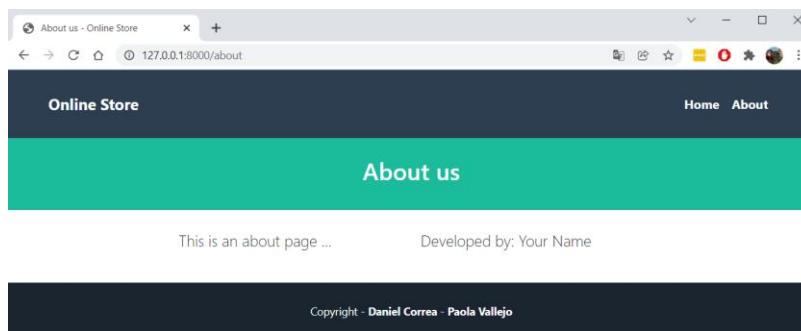Figure 6-2. Online Store – Home page.
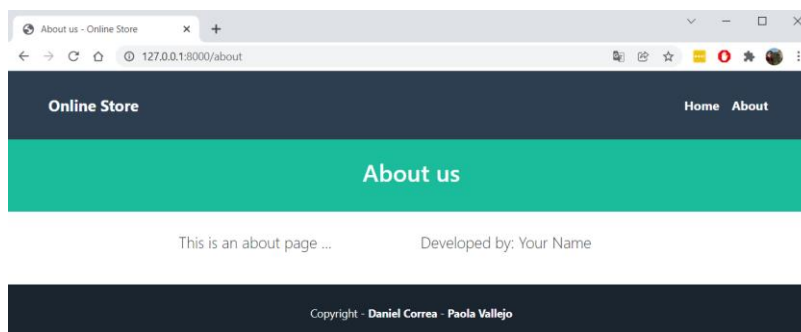

Figure 6-3. Online Store – About page.

Figure 7-1. Online Store – About page.

Figure 8-1. Running PHP CodeSniffer.

Figure 8-2. Fixing style errors with PHP CodeSniffer.
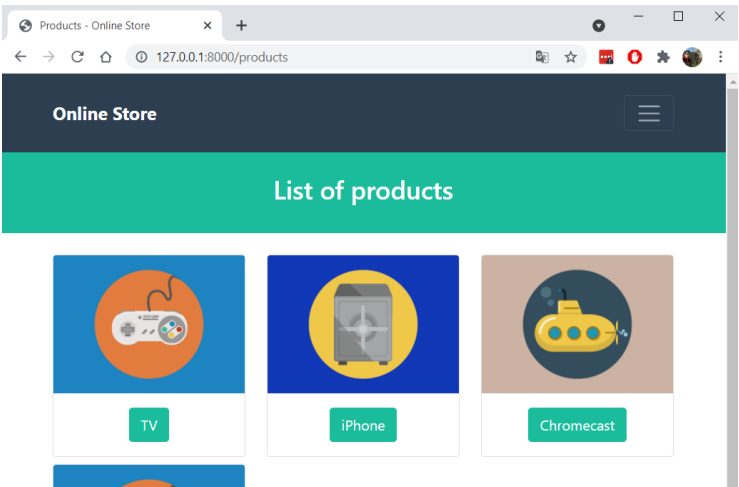
Figure 9-1. Online Store – Products page.
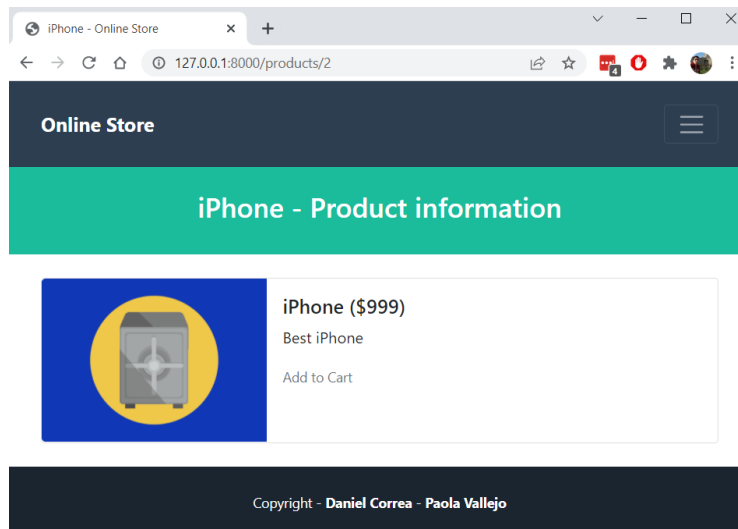
Figure 9-2. Online Store – iPhone product page.

id	name	description	image	price
1	TV	Best tv	game.png	1000
2	iPhone	Best iPhone	safe.png	999
3	Chromecast	Best Chromecast	submarine.png	30
4	Glasses	Best Glasses	game.png	100

Figure 10-1. Product table.
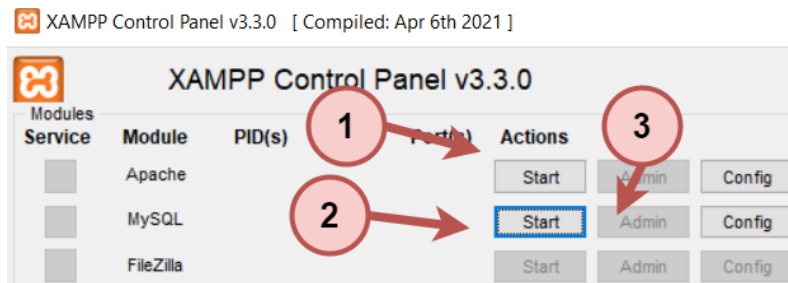
Figure 10-2. Starting MySQL module in XAMPP.
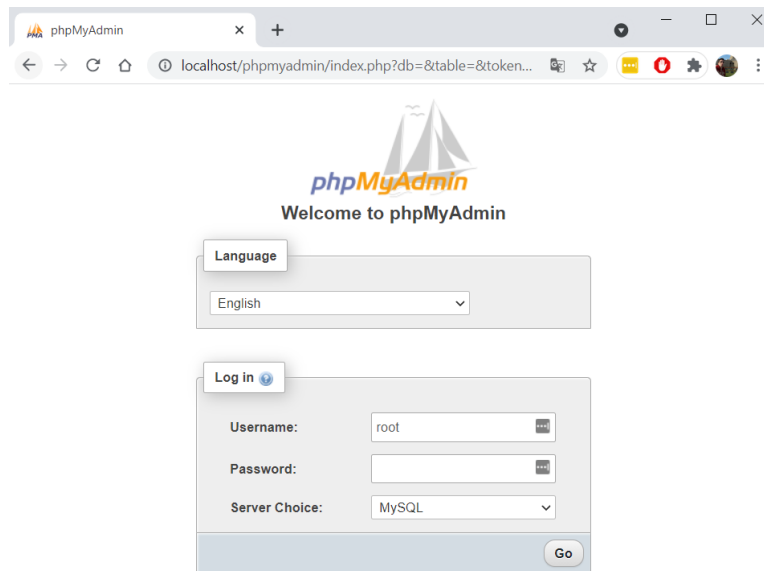
Figure 10-3. XAMPP phpMyAdmin application.

Figure 10-4. Database creation.

Figure 11-1. Execution of Laravel migrations.
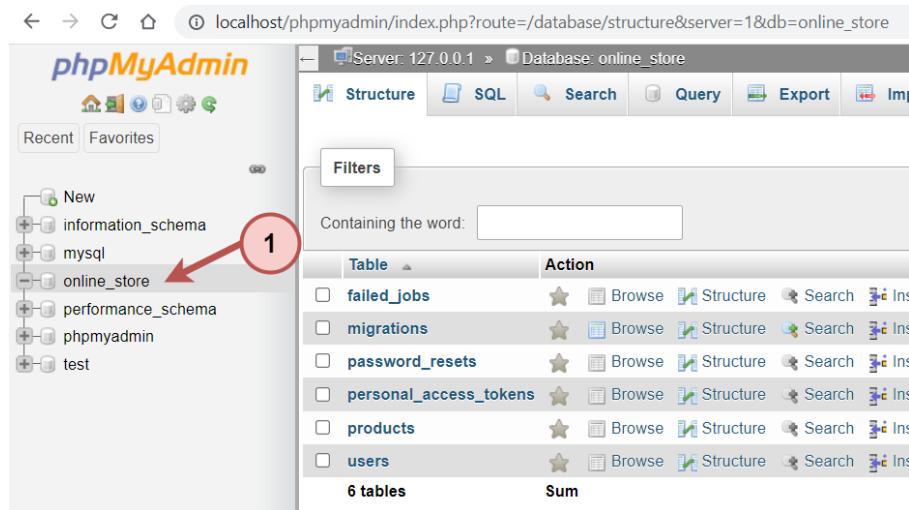
Figure 11-2. Accessing our database from phpMyAdmin.
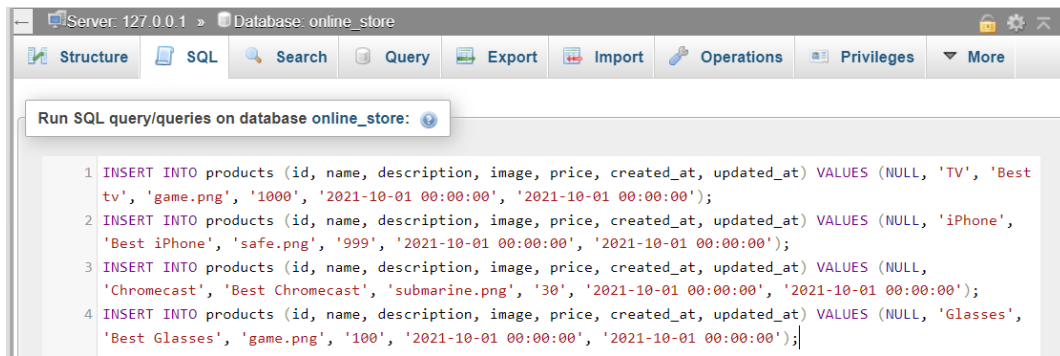
Figure 11-3. Inserting products through phpMyAdmin.
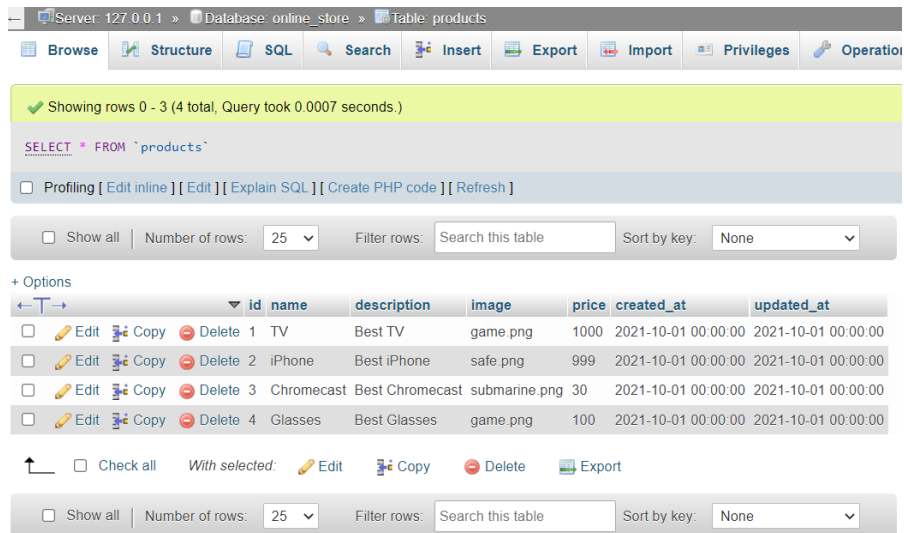
Figure 11-4. Products displayed in phpMyAdmin.
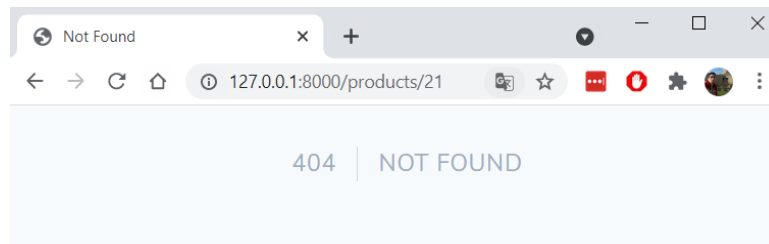
Figure 13-1. Accessing a product that does not exist.
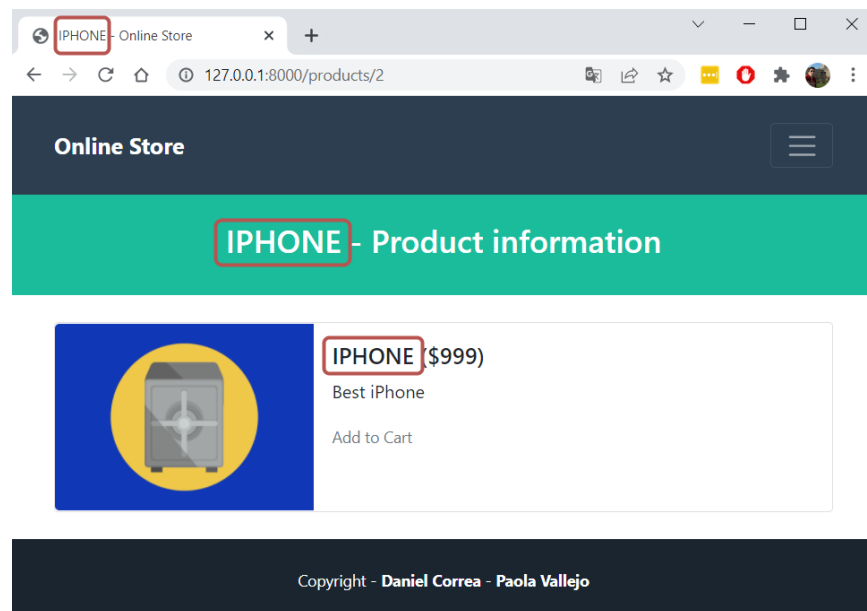
Figure 14-1. Accessing a product with the modified *getName* method.
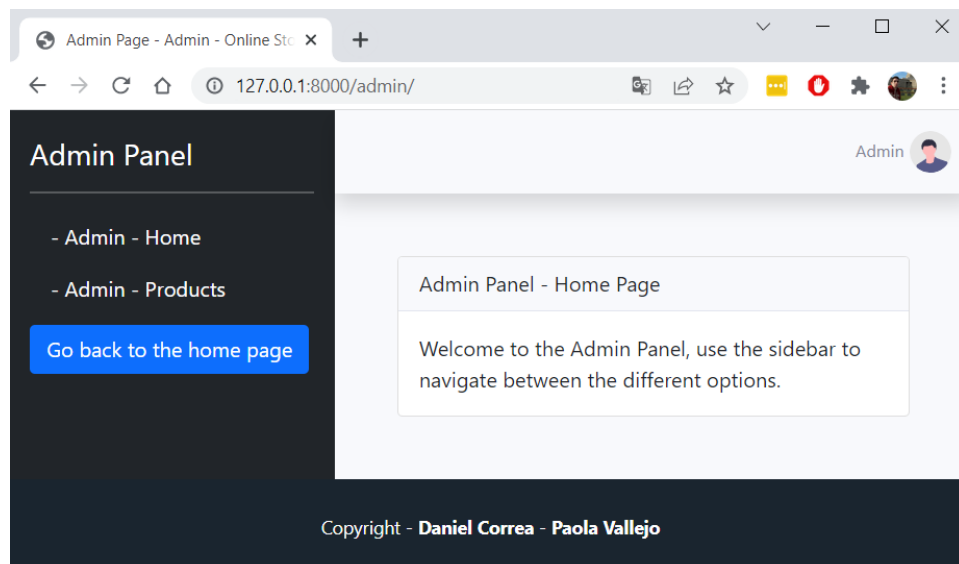
Figure 15-1. Online Store – Admin Panel.
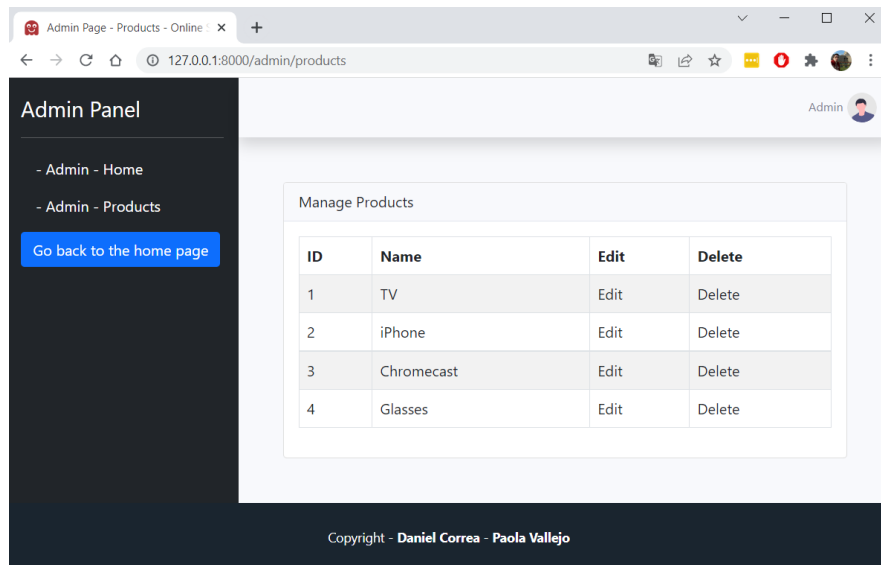
Figure 16-1. Online Store – Admin Panel – Products.

Figure 17-1. Submitting a form with invalid data.

Figure 17-2. Online Store – Refined Admin Panel – Products.

Figure 17-3. New product listed.

Figure 18-1. Creating the storage symbolic link.

Figure 18-2. Online Store – Create products form with image selection.
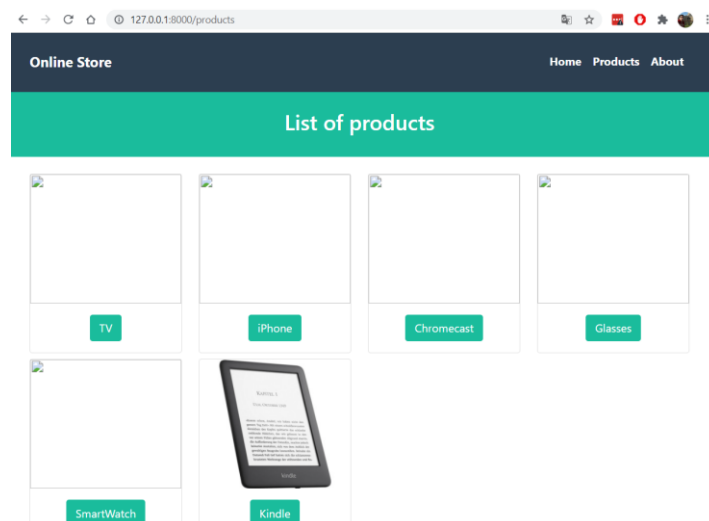
Figure 18-3. Online Store – List products with their uploaded images.
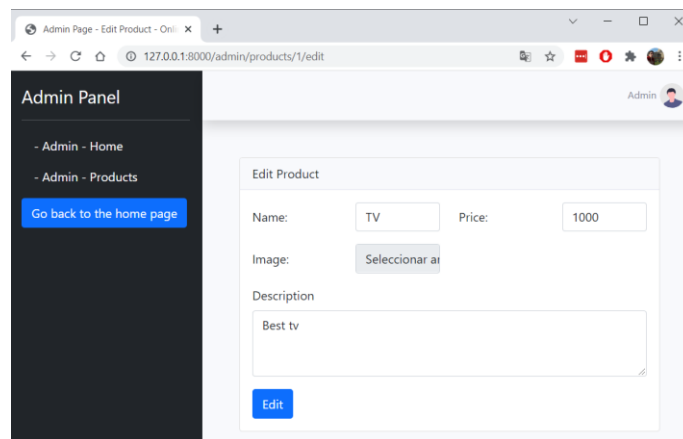
Figure 19-1. Online Store – Refined Admin Panel – Products.

Figure 19-2. Editing a product.
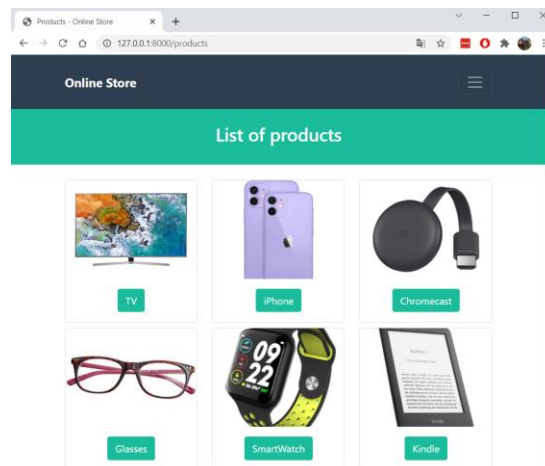
Figure 19-3. List products with proper images.

Figure 21-1. Configuring laravel/ui.

Figure 21-2. Online Store – Register page.
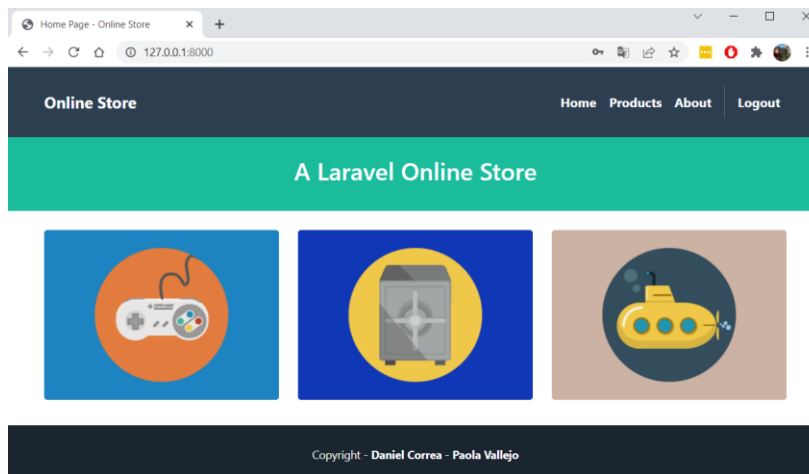
Figure 21-3. Online Store – Home page for authenticated users.
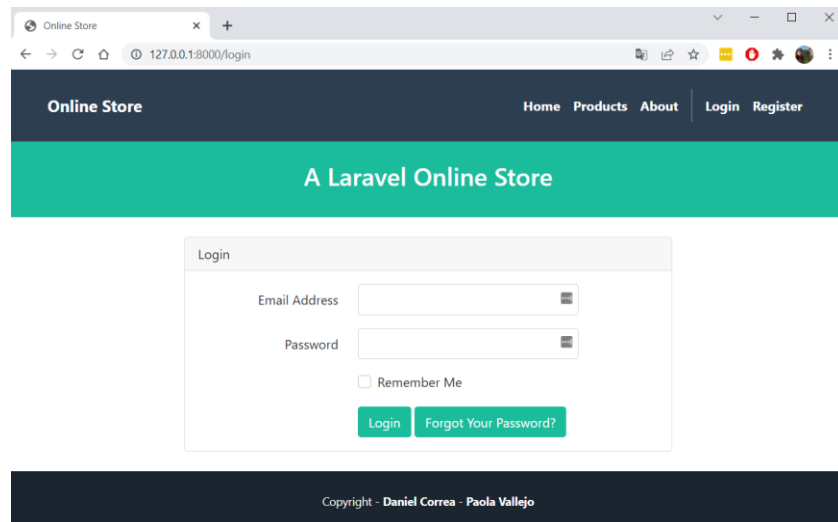
Figure 21-4. Online Store – Login page.

Figure 22-1. Execution of alter users table migration.

created_at	updated_at	role	balance
2022-02-12 13:53:31	2022-02-12 13:53:31	client	0
2022-02-12 14:15:54	2022-02-12 14:15:54	client	5000

Figure 22-2. New columns and rows in the users table.

created_at	updated_at	role	balance
2022-02-12 13:53:31	2022-02-12 13:53:31	admin	0
2022-02-12 14:15:54	2022-02-12 14:15:54	client	5000

Figure 22-3. Editing a user's role.

Figure 22-4. Create a user with Laravel Tinker.
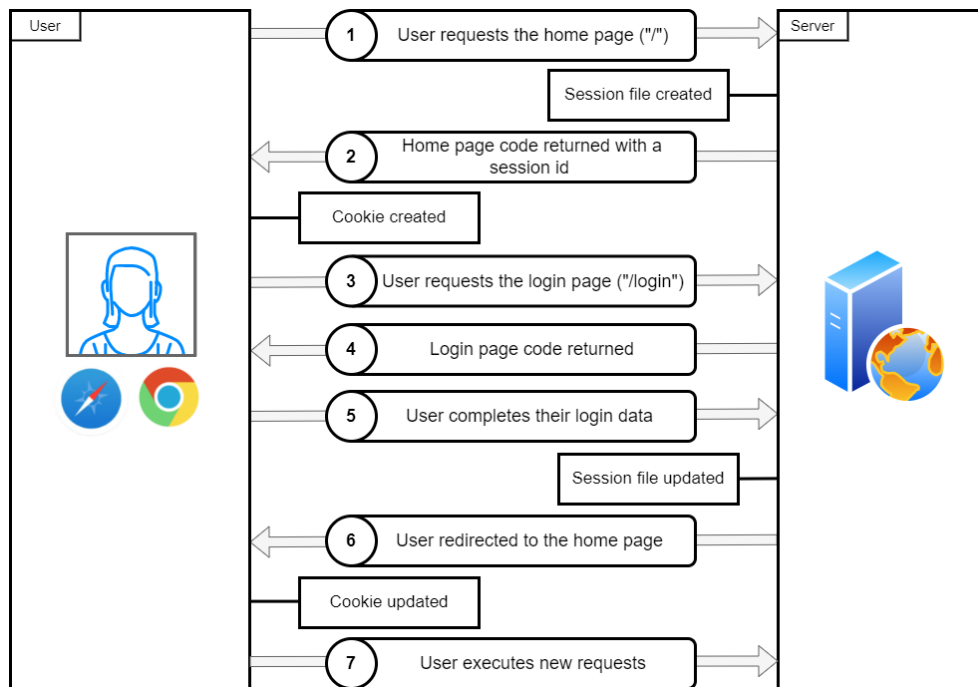
Figure 24-1. Typical Laravel sessions operation.
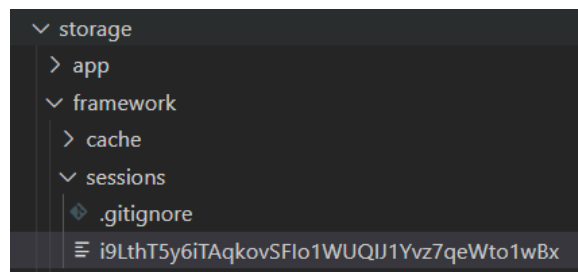
Figure 24-2. Generated session file.
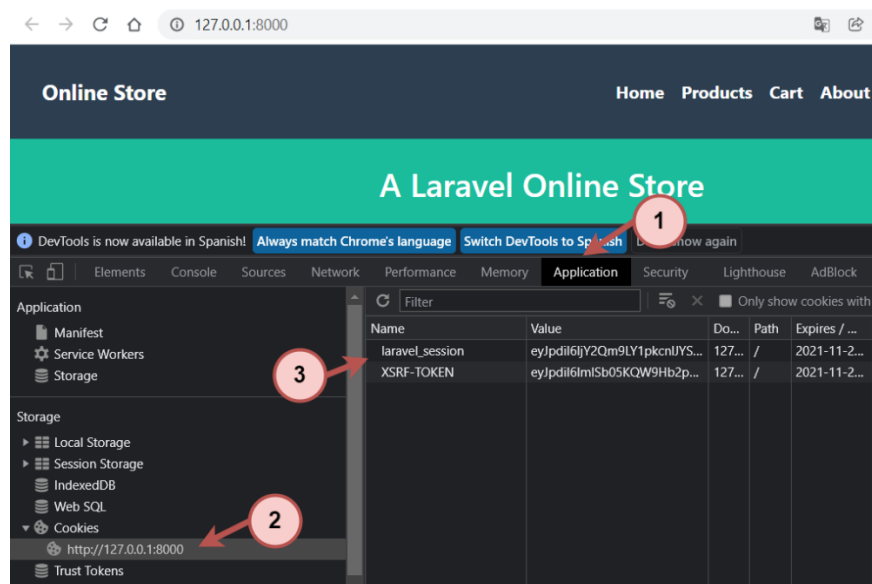
Figure 24-3. Generated cookie (Chrome DevTools).
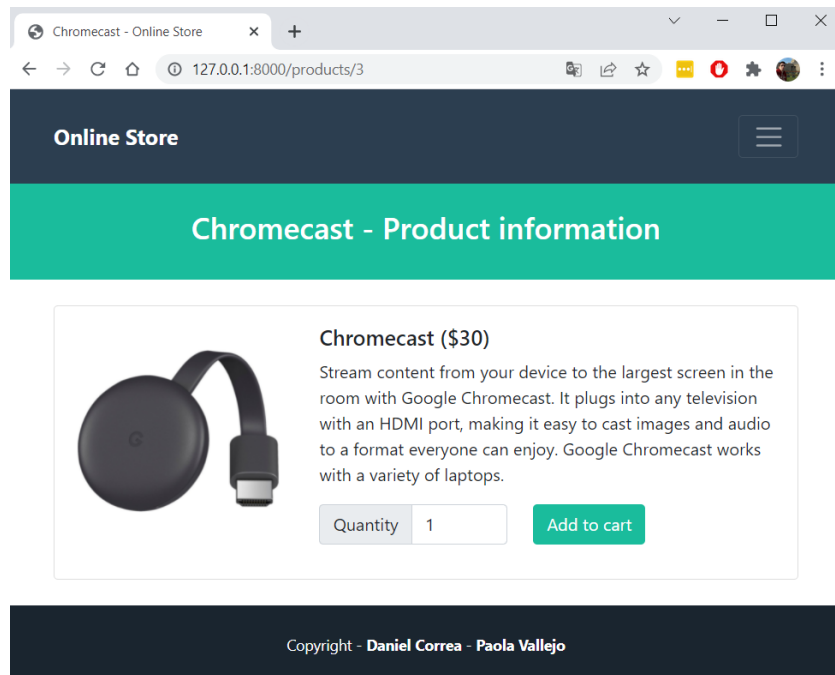
Figure 25-1. Product show view with add to cart button.
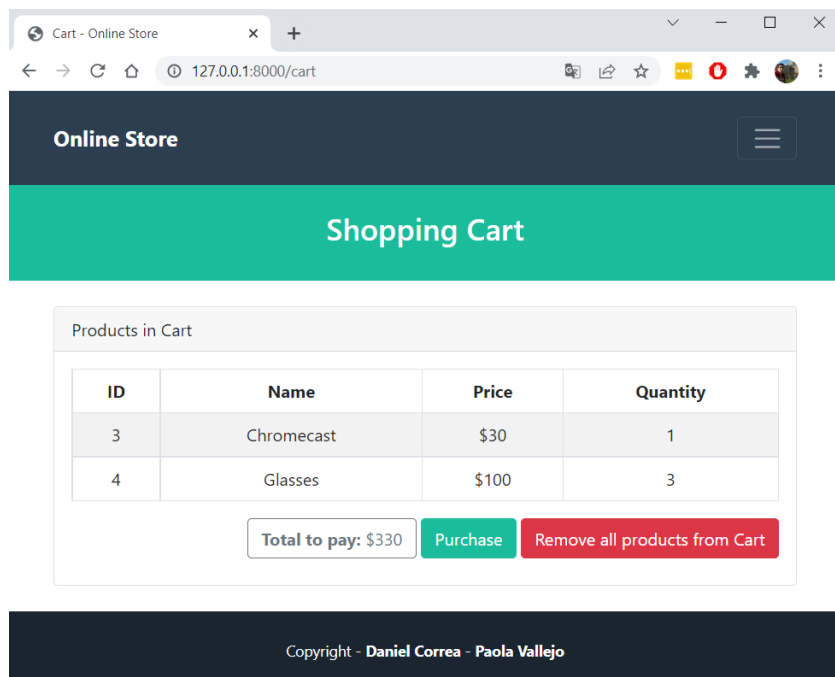
Figure 25-2. Online Store – Shopping cart page.

Order #1

Date: 2021-10-14

Total: $1060

User id - name: 1 - Daniel

Qty	Product id - name	Price
1	1 - TV	1000
2	3 - Chromecast	30

Figure 26-1. Example of an invoice.

```
PS C:\xampp\htdocs\onlineStore> php artisan migrate
Migrating: 2022_02_12_152713_create_orders_table
Migrated:  2022_02_12_152713_create_orders_table (55.03ms)
Migrating: 2022_02_12_152850_create_items_table
Migrated:  2022_02_12_152850_create_items_table (170.14ms)
```

Figure 26-2. Execution of orders and items tables migrations.

User
- id : int
- name : String
- email : String
- password : String
- role : String
- balance : int
- created_at : Date
- updated_at : Date
- orders: Order[]
+ CRUD()
+ getters()
+ setters()

1   0..*

Order
- id : int
- total : int
- created_at : Date
- updated_at : Date
- user : User
- items : Item[]
+ CRUD()
+ getters()
+ setters()

1   1..*

Item
- id : int
- quantity : int
- price : int
- created_at : Date
- updated_at : Date
- order : Order
- product : Product
+ CRUD()
+ getters()
+ setters()

1   0..*

Product
- id : int
- name : String
- description : String
- image : String
- price : int
- created_at : Date
- updated_at : Date
- items : Item[]
+ CRUD()
+ getters()
+ setters()

Figure 26-3. Original Online Store class diagram.
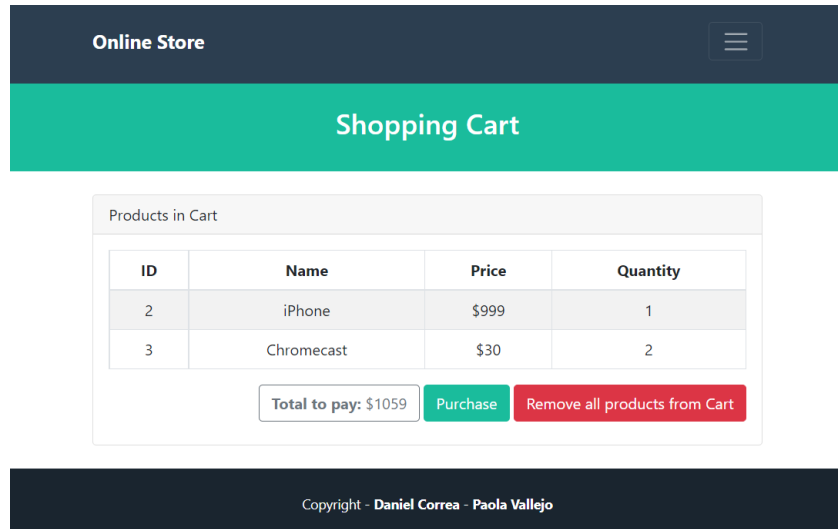
Figure 27-1. Shopping cart with some products.
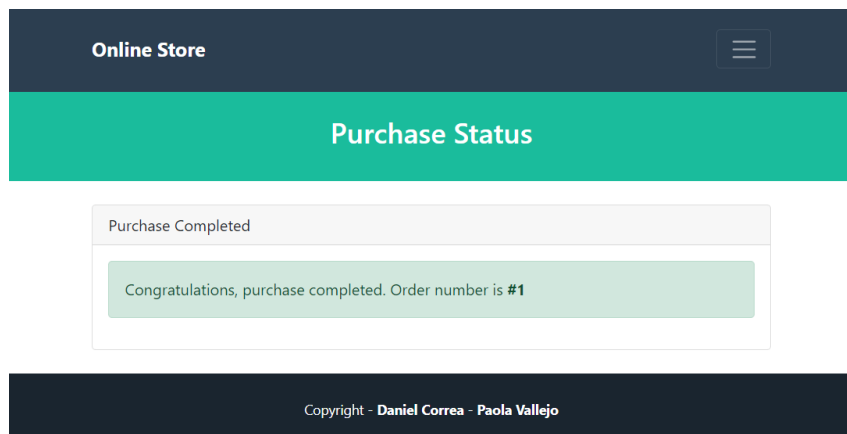
Figure 27-2. Purchase completed message.

Figure 27-3. New order row included in the database.

Figure 27-4. New item rows included in the database.

Figure 28-1. Use of Laravel tinker.

Figure 28-2. Online Store – Orders page.

Figure 28-3. Online Store – Orders page with no orders.

← → C ⌂ ⓘ 127.0.0.1:8000/my-account/orders

Online Store   Home **Products Cart About**
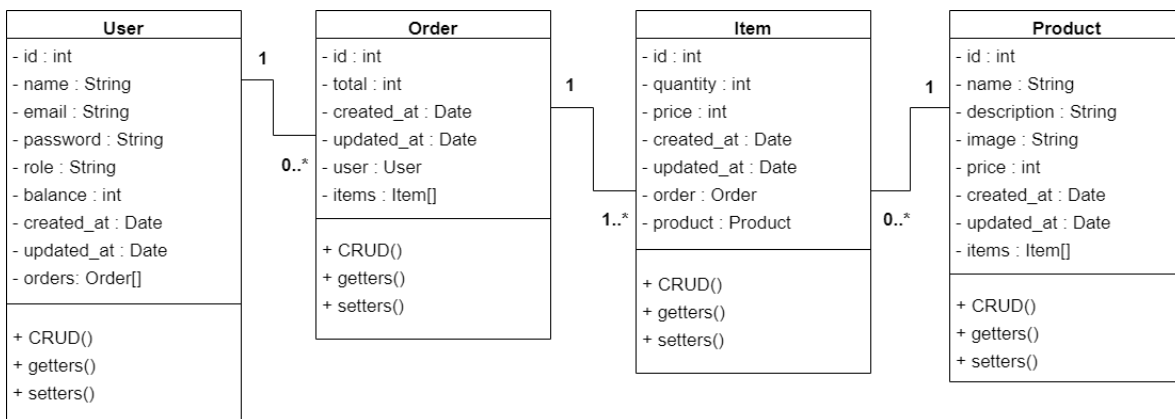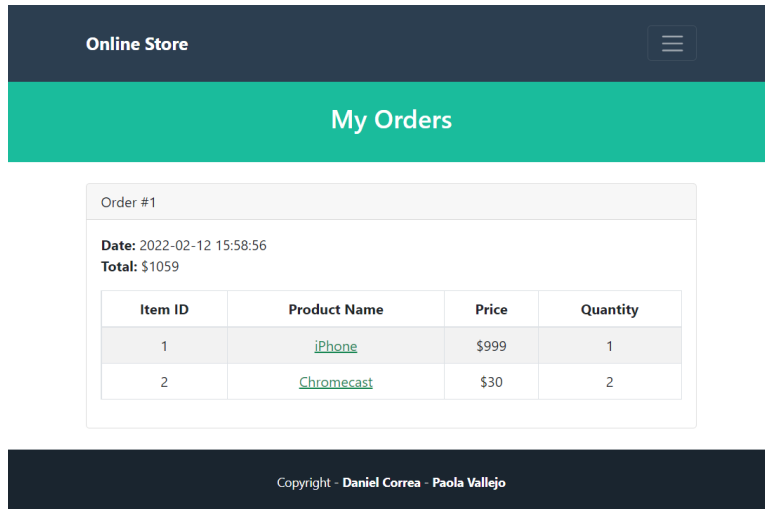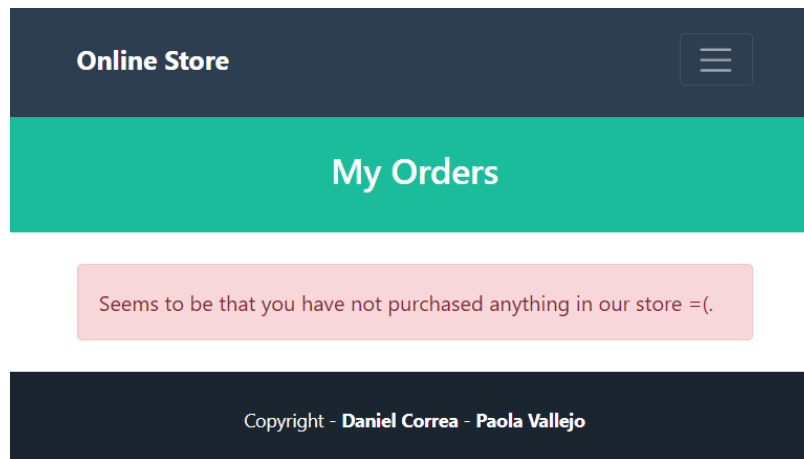
My Orders

Order #1

Date: 2021-10-15 18:26:59
Total: $1059

Messages | Timeline | Exceptions | Views ② | Route | Queries ⑨ | Models ⑫ | Mails | Gate | Session | Request | → GET my-account/orders ⚙

ⓘ 9 statements were executed, 2 of which were duplicated, 7 unique

```
select * from `users` where `id` = 1 limit 1                                        ⏱ 17.2ms 📌 \vendor\laravel\framework\src\Illuminate\Auth\Eloquent
select * from `orders` where `user_id` = 1                                          ⏱ 520µs 📌 \app\Http\Controllers\MyAccou
  select * from `items` where `items`.`order_id` = 1 and `items`.`order_id` is not null              ⏱ 500µs 📌 \app\M
  select * from `products` where `products`.`id` = 2 limit 1                        ⏱ 570µs 📌 \app\
  select * from `products` where `products`.`id` = 3 limit 1                        ⏱ 470µs 📌 \app\
  select * from `items` where `items`.`order_id` = 2 and `items`.`order_id` is not null              ⏱ 490µs 📌 \app\M
  select * from `products` where `products`.`id` = 4 limit 1                        ⏱ 470µs 📌 \app\
  select * from `items` where `items`.`order_id` = 3 and `items`.`order_id` is not null              ⏱ 530µs 📌 \app\M
  select * from `products` where `products`.`id` = 3 limit 1                        ⏱ 470µs 📌 \app\
```

Figure 28-4. Online Store – Orders page with debug bar and lazy loading.

My Orders - Online Store

127.0.0.1:8000/my-account/orders

Online Store

Home

My Orders

Order #1

Date: 2021-10-15 18:26:59
Total: $1059

| Messages | Timeline | Exceptions | Views 2 | Route | Queries 4 | Models 11 | Mails | Gate | Session | Request |

ⓘ 4 statements were executed

```
select * from `users` where `id` = 1 limit 1                                    ⏱ 3.81ms 📌 \vendor\laravel\framework
```
```
select * from `orders` where `user_id` = 1                                      ⏱ 550μs 📌
```
```
select * from `items` where `items`.`order_id` in (1, 2, 3)                     ⏱ 670μs 📌
```
```
select * from `products` where `products`.`id` in (2, 3, 4)                     ⏱ 520μs 📌
```

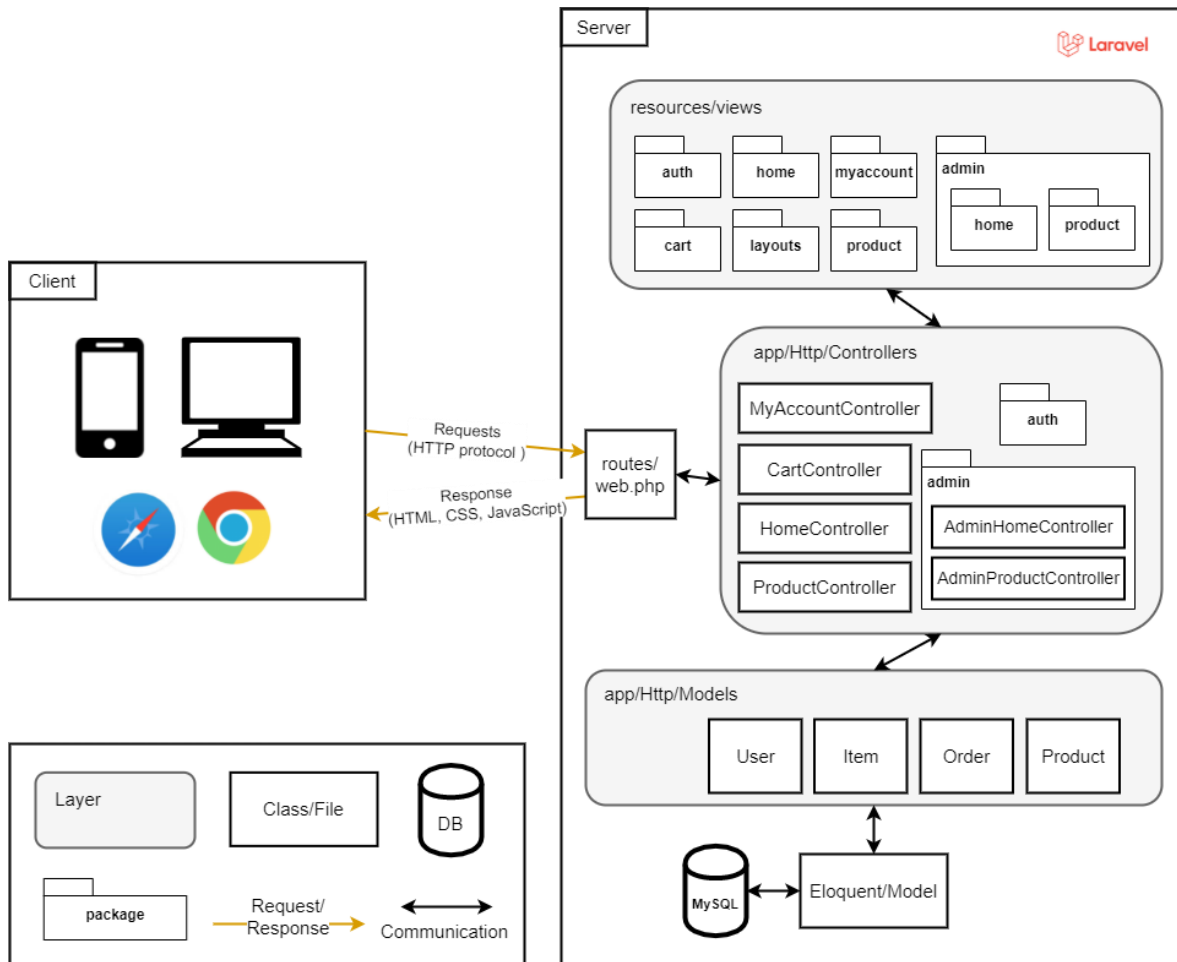Figure 28-5. Online Store – Orders page with debug bar and eager loading.

Figure 28-6. Online Store software architecture.

Figure 29-1. Clever Cloud Sign up page.
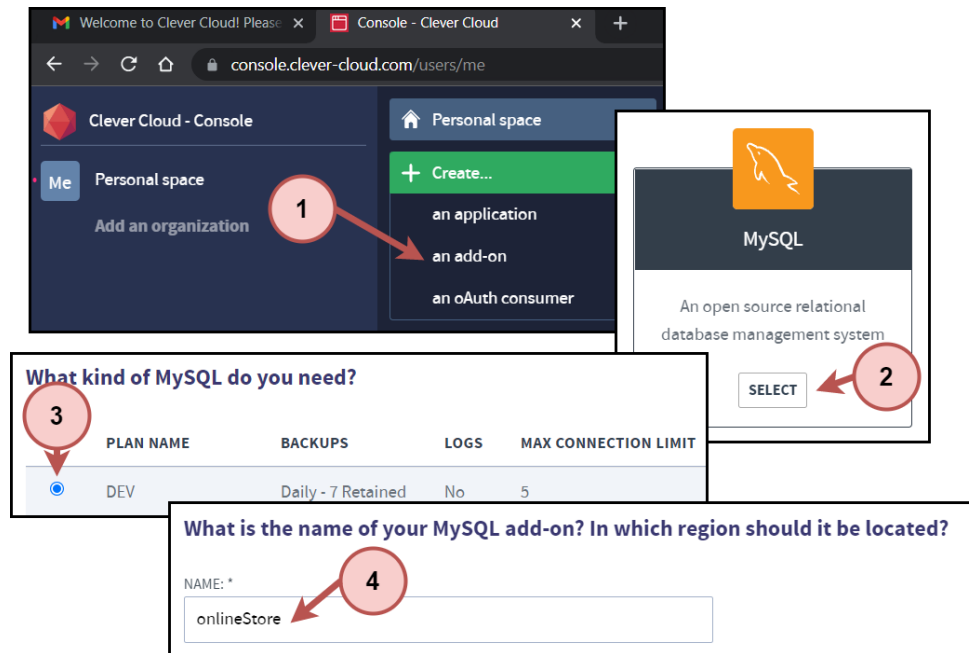
Figure 29-2. Clever Cloud MySQL add-on creation.

Figure 29-3. Clever Cloud MySQL add-on creation.

Figure 29-4. Execution of Laravel migrations over the cloud database.
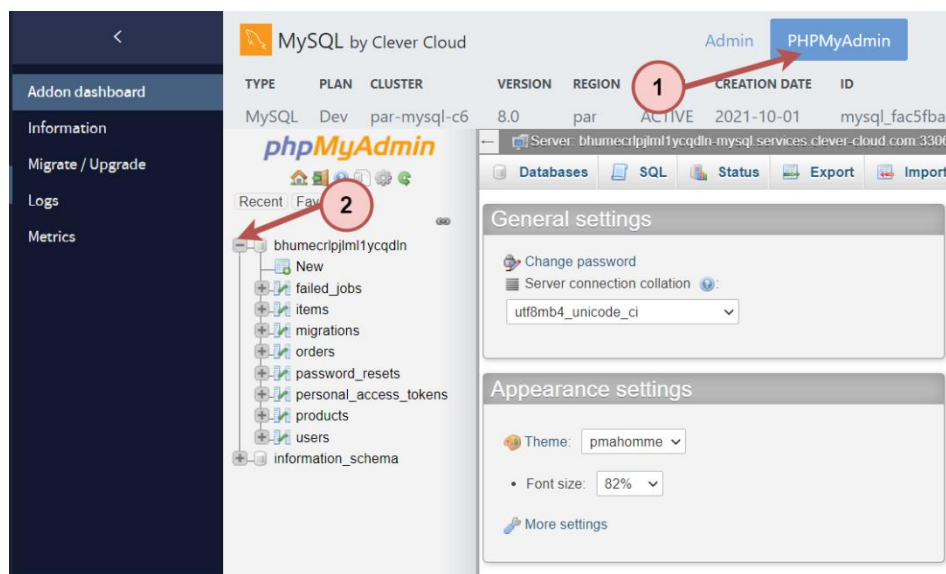

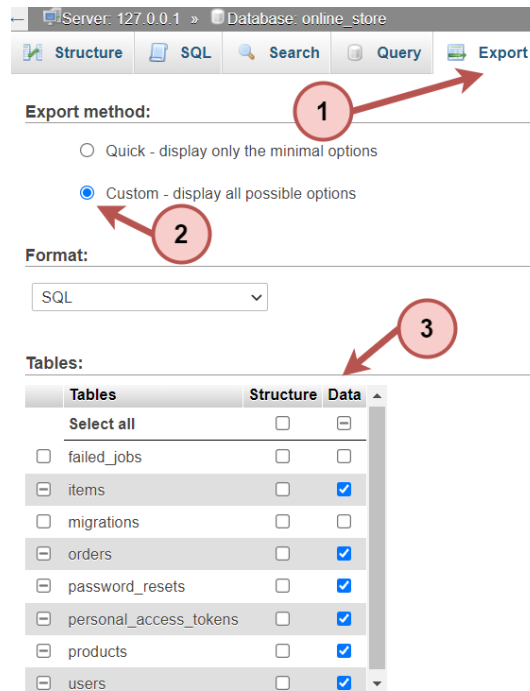Figure 29-5. Accessing phpMyAdmin over the Clever Cloud database.

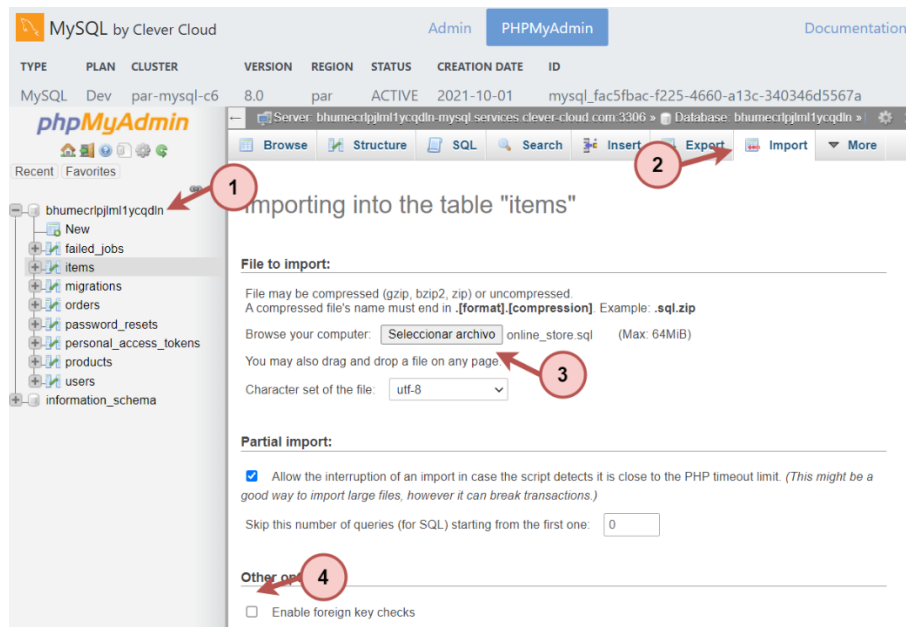Figure 29-6. Exporting the data from the local database.

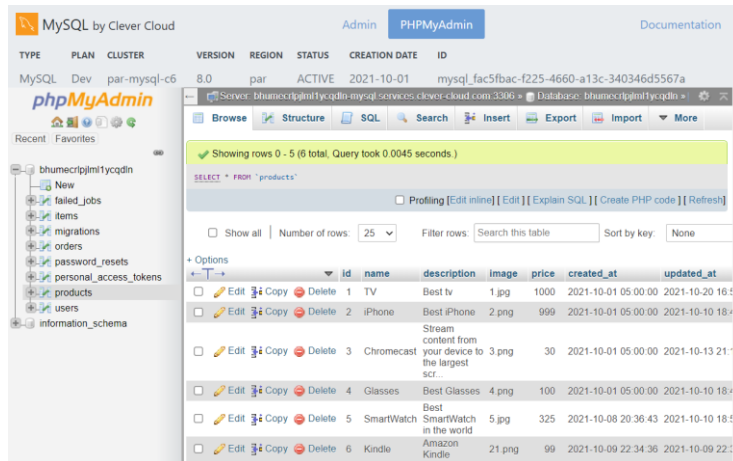Figure 29-7. Importing the data to the cloud database.

Figure 29-8. Browsing the *products* table.

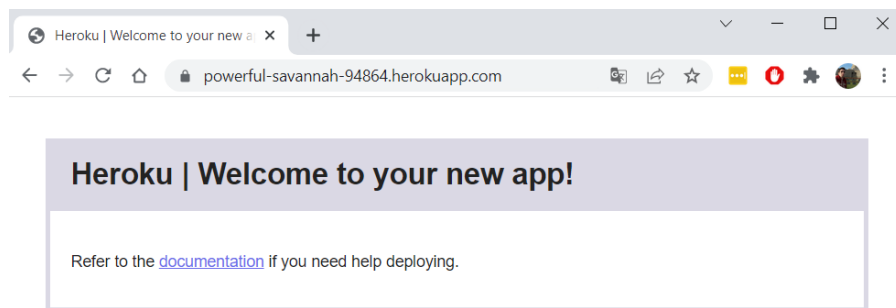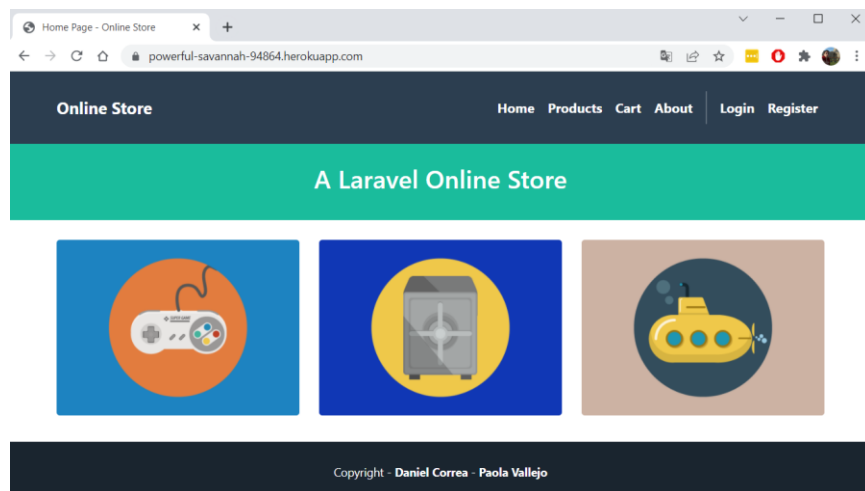Figure 30-1. Creating a Heroku application.

Figure 30-2. Accessing the Heroku application.

Figure 30-3. Online Store running over the cloud.