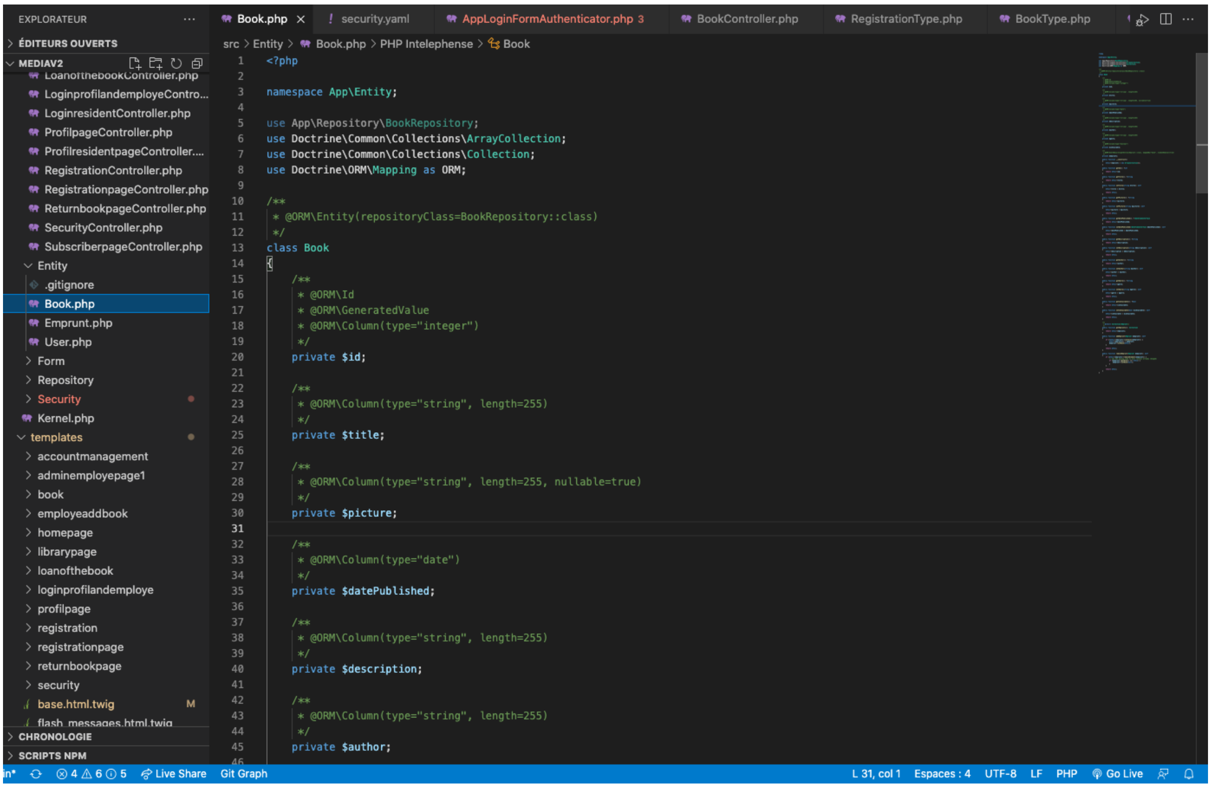
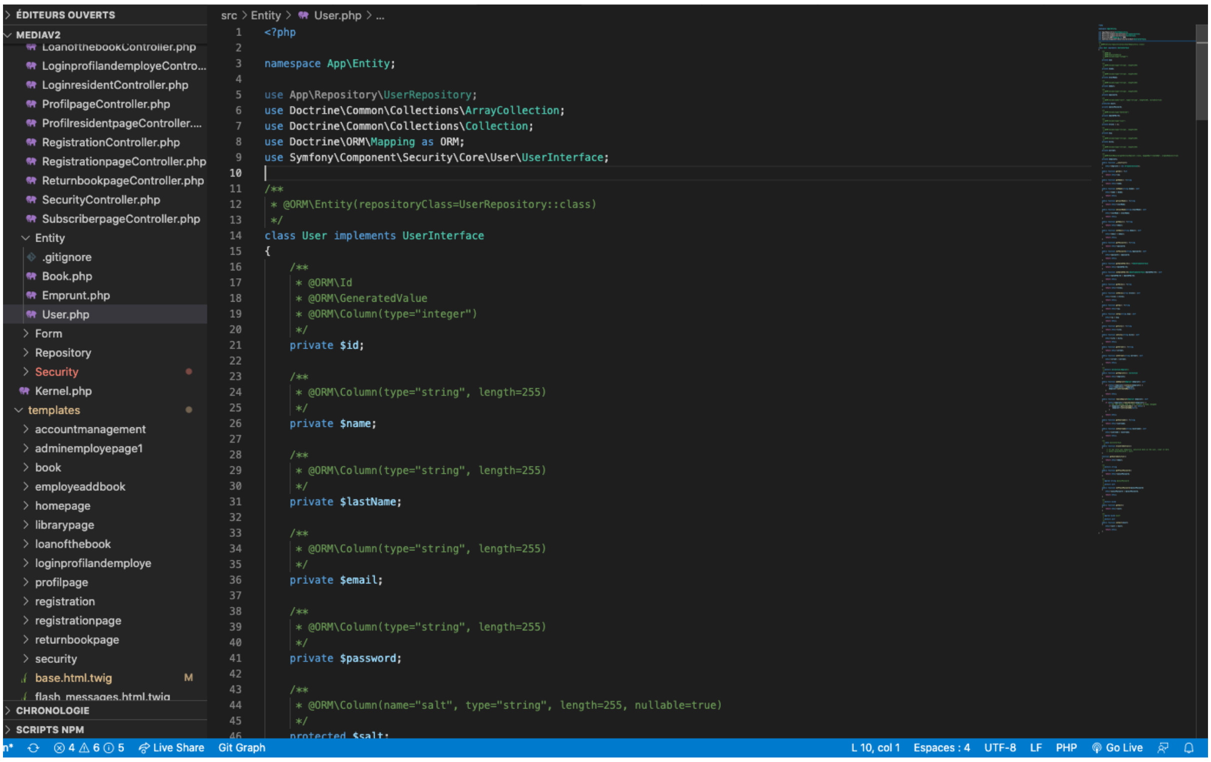
Les fichiers de création et d’alimentation de la base de données :

-1 création de la base de la donnée via doctrine (php bin/console doctrine : database : create)

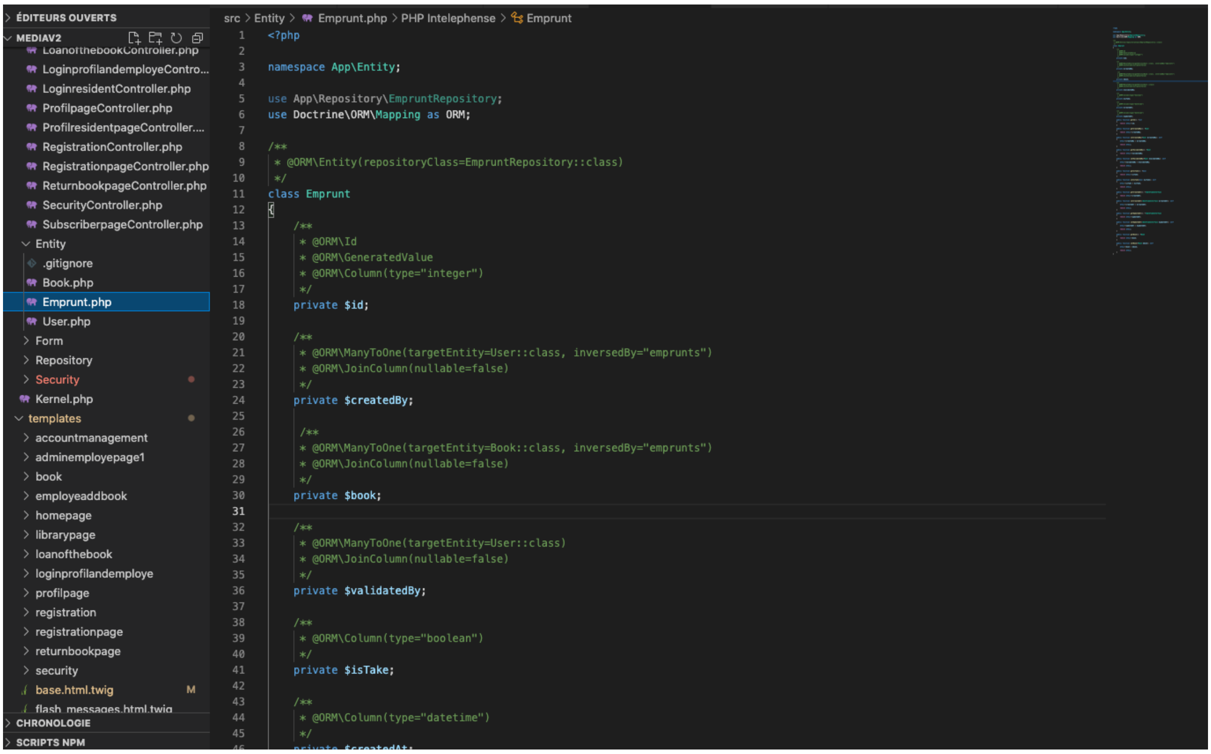
-2 création des tables qui compose ma base de donnée avec php bin/console make:entity



```php
<?php

namespace App\Entity;

use App\Repository\BookRepository;
use Doctrine\Common\Collections\ArrayCollection;
use Doctrine\Common\Collections\Collection;
use Doctrine\ORM\Mapping as ORM;

/**
 * @ORM\Entity(repositoryClass=BookRepository::class)
 */
class Book
{
    /**
     * @ORM\Id
     * @ORM\GeneratedValue
     * @ORM\Column(type="integer")
     */
    private $id;

    /**
     * @ORM\Column(type="string", length=255)
     */
    private $title;

    /**
     * @ORM\Column(type="string", length=255, nullable=true)
     */
    private $picture;

    /**
     * @ORM\Column(type="date")
     */
    private $datePublished;

    /**
     * @ORM\Column(type="string", length=255)
     */
    private $description;

    /**
     * @ORM\Column(type="string", length=255)
     */
    private $author;

```

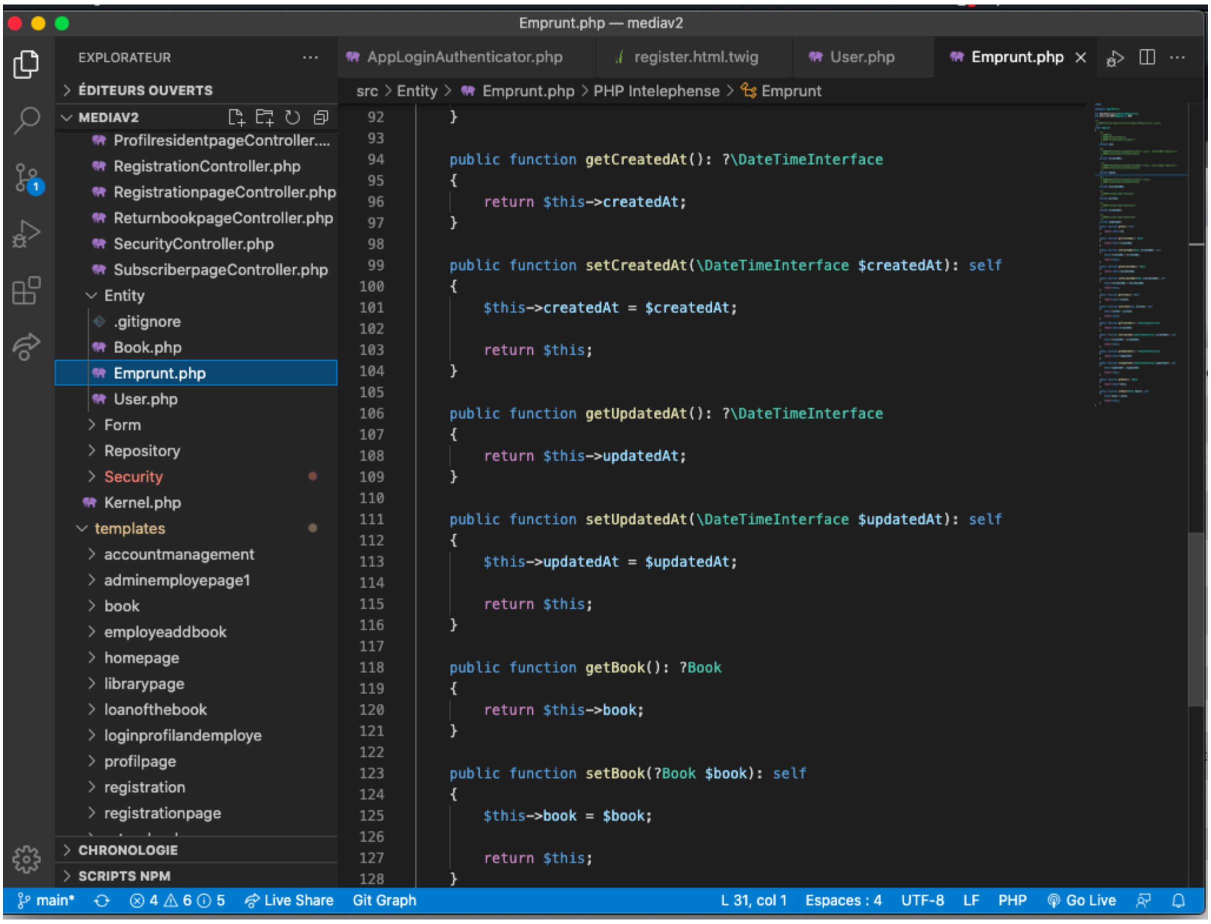


```php
<?php

namespace App\Entity;

use App\Repository\UserRepository;
use Doctrine\Common\Collections\ArrayCollection;
use Doctrine\Common\Collections\Collection;
use Doctrine\ORM\Mapping as ORM;
use Symfony\Component\Security\Core\User\UserInterface;

/**
 * @ORM\Entity(repositoryClass=UserRepository::class)
 */
class User implements UserInterface
{
    /**
     * @ORM\Id
     * @ORM\GeneratedValue
     * @ORM\Column(type="integer")
     */
    private $id;

    /**
     * @ORM\Column(type="string", length=255)
     */
    private $name;

    /**
     * @ORM\Column(type="string", length=255)
     */
    private $lastName;

    /**
     * @ORM\Column(type="string", length=255)
     */
    private $email;

    /**
     * @ORM\Column(type="string", length=255)
     */
    private $password;

    /**
     * @ORM\Column(name="salt", type="string", length=255, nullable=true)
     */
    protected $salt;
```

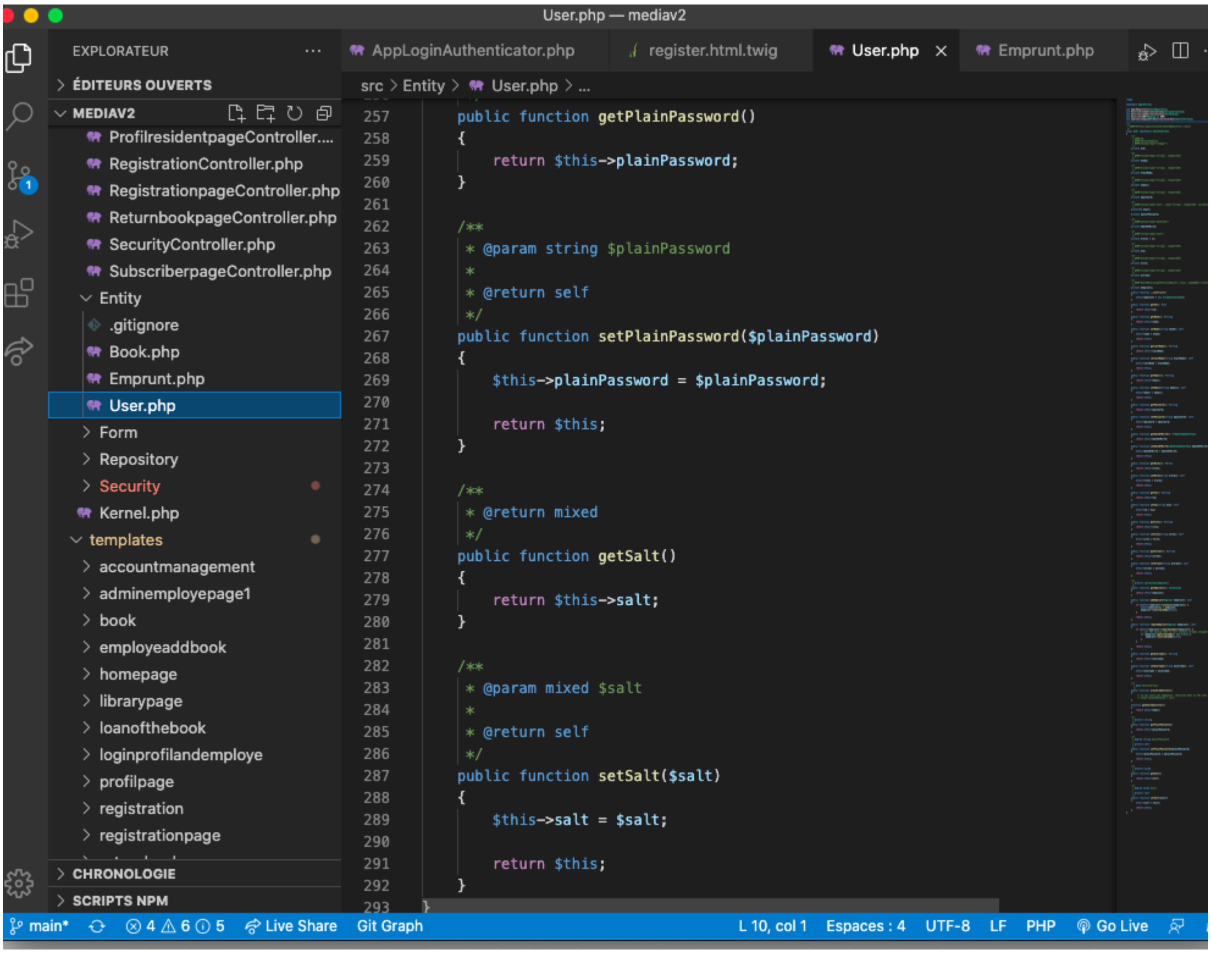


```php
<?php

namespace App\Entity;

use App\Repository\EmpruntRepository;
use Doctrine\ORM\Mapping as ORM;

/**
 * @ORM\Entity(repositoryClass=EmpruntRepository::class)
 */
class Emprunt
{
    /**
     * @ORM\Id
     * @ORM\GeneratedValue
     * @ORM\Column(type="integer")
     */
    private $id;

    /**
     * @ORM\ManyToOne(targetEntity=User::class, inversedBy="emprunts")
     * @ORM\JoinColumn(nullable=false)
     */
    private $createdBy;

     /**
     * @ORM\ManyToOne(targetEntity=Book::class, inversedBy="emprunts")
     * @ORM\JoinColumn(nullable=false)
     */
    private $book;

    /**
     * @ORM\ManyToOne(targetEntity=User::class)
     * @ORM\JoinColumn(nullable=false)
     */
    private $validatedBy;

    /**
     * @ORM\Column(type="boolean")
     */
    private $isTake;

    /**
     * @ORM\Column(type="datetime")
     */
    private $createdAt;
```

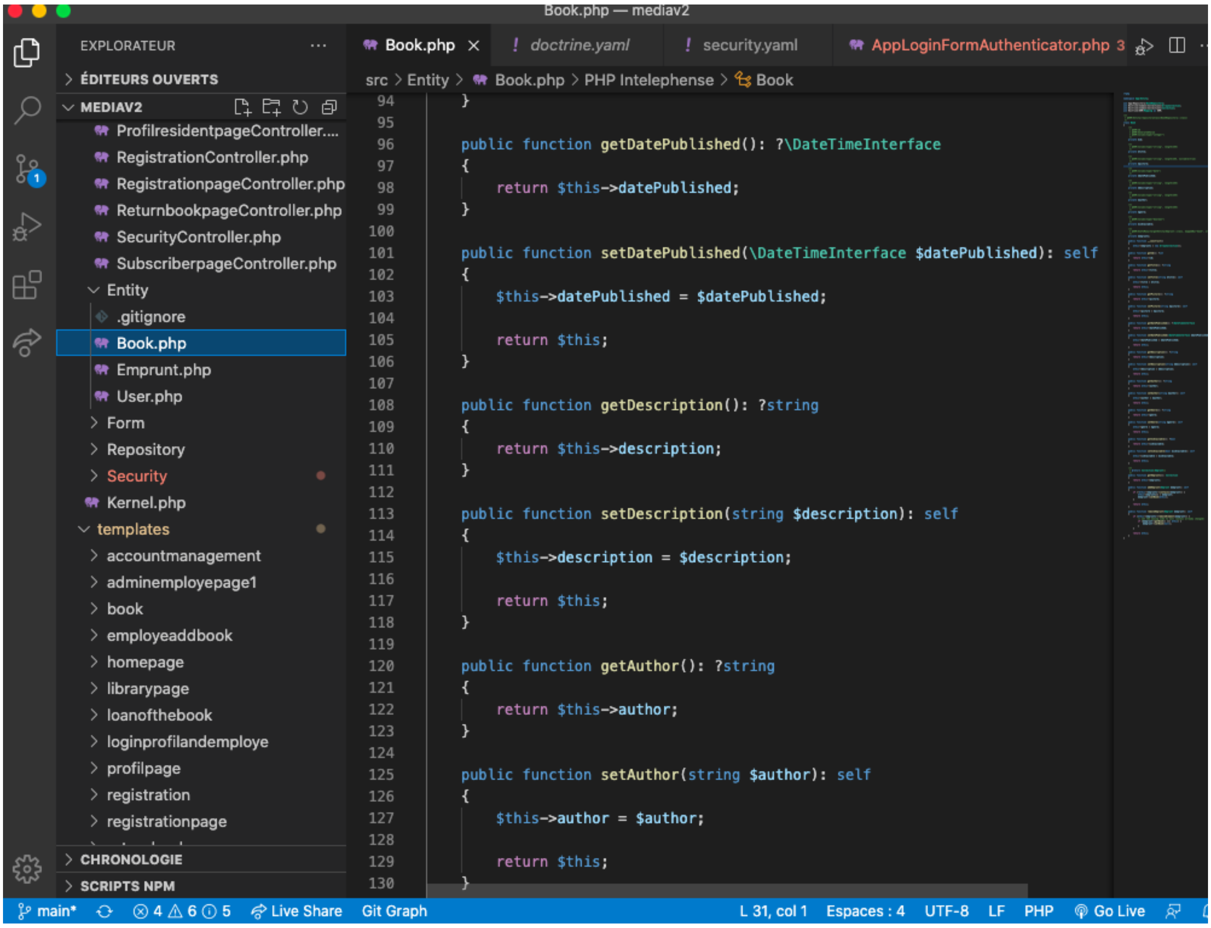
Scripts établit à la main : génération du mot de passe,



```php
    }

    public function getCreatedAt(): ?\DateTimeInterface
    {
        return $this->createdAt;
    }

    public function setCreatedAt(\DateTimeInterface $createdAt): self
    {
        $this->createdAt = $createdAt;

        return $this;
    }

    public function getUpdatedAt(): ?\DateTimeInterface
    {
        return $this->updatedAt;
    }

    public function setUpdatedAt(\DateTimeInterface $updatedAt): self
    {
        $this->updatedAt = $updatedAt;

        return $this;
    }

    public function getBook(): ?Book
    {
        return $this->book;
    }

    public function setBook(?Book $book): self
    {
        $this->book = $book;

        return $this;
    }
```



```php
    public function getPlainPassword()
    {
        return $this->plainPassword;
    }

    /**
     * @param string $plainPassword
     *
     * @return self
     */
    public function setPlainPassword($plainPassword)
    {
        $this->plainPassword = $plainPassword;

        return $this;
    }

    /**
     * @return mixed
     */
    public function getSalt()
    {
        return $this->salt;
    }

    /**
     * @param mixed $salt
     *
     * @return self
     */
    public function setSalt($salt)
    {
        $this->salt = $salt;

        return $this;
    }
}
```



```php
    }

    public function getDatePublished(): ?\DateTimeInterface
    {
        return $this->datePublished;
    }

    public function setDatePublished(\DateTimeInterface $datePublished): self
    {
        $this->datePublished = $datePublished;

        return $this;
    }

    public function getDescription(): ?string
    {
        return $this->description;
    }

    public function setDescription(string $description): self
    {
        $this->description = $description;

        return $this;
    }

    public function getAuthor(): ?string
    {
        return $this->author;
    }

    public function setAuthor(string $author): self
    {
        $this->author = $author;

        return $this;
    }
```