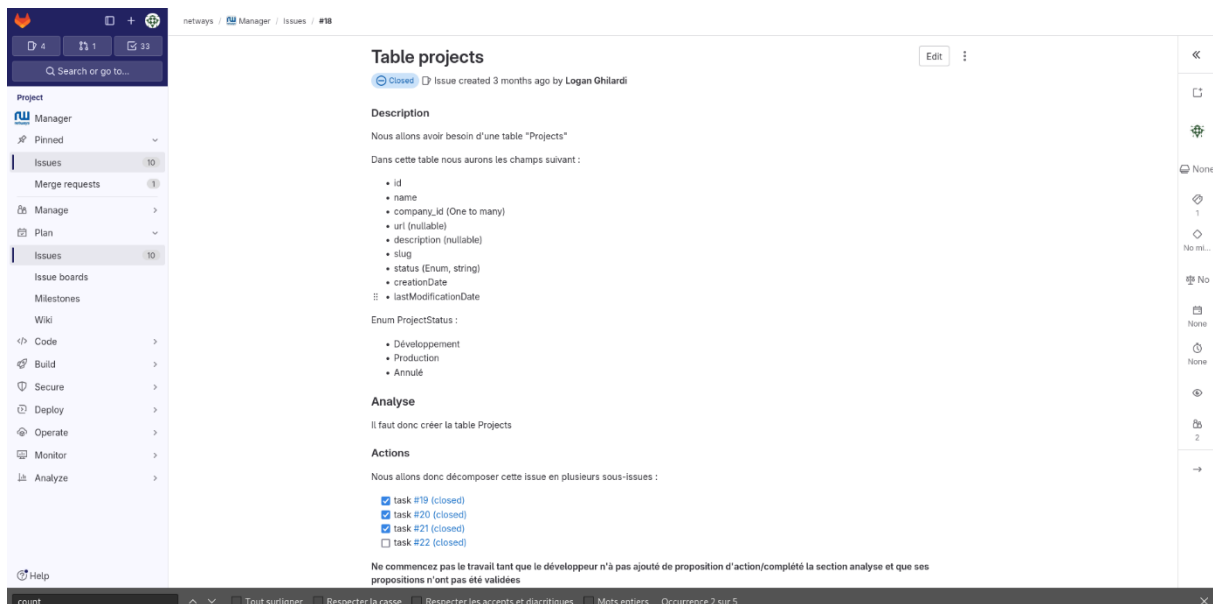


Table des matières

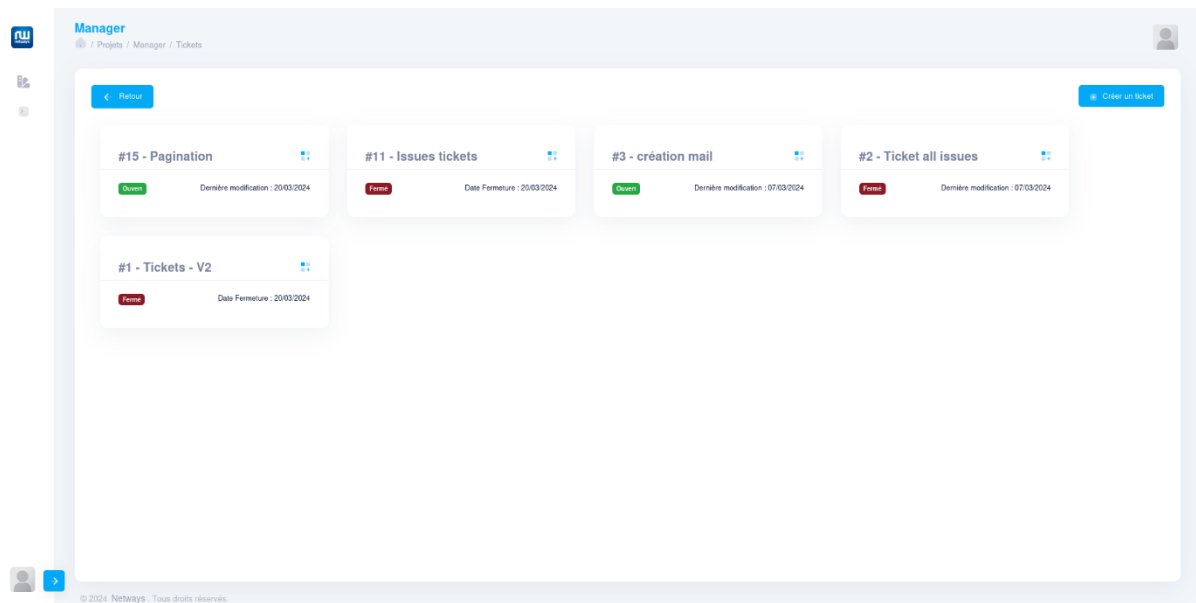
Ticketing :	1
Versioning :	2
BDD :	2
Test Unitaire	3

Ticketing :

J'ai d'abord répondu aux différentes demande de l'entreprise à l'aide de gitLab sur laquelle j'ai dû proposer des solutions afin de compléter celle-ci :

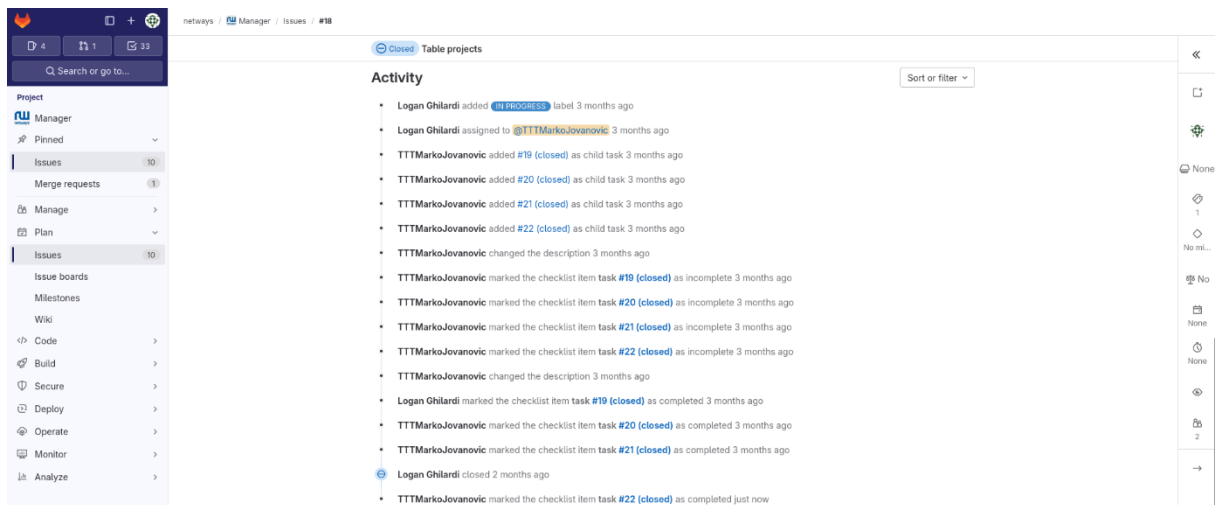


J'ai ensuite développer sur le site Manager un système de ticketing permettant lui aussi de suivre des issues et de créer des suivis.



Versioning :

À la suite de cela j'ai donc dû avec l'approbation de mon tuteur gérer le projet et son versioning sur gitLab, en corrigeant d'abord les optimisations ou encore les idées nouvelles à rajouter dans l'issue.



BDD :

J'ai aussi alimenté la Base de données avec les données associées à l'entreprise par le biais de migration, et de fixtures.

Migration :

```
public function up(Schema $schema): void
{
    if (
        $schema->hasTable($name) 'tickets')
        && $schema->hasTable($name) 'projects')
        && $schema->hasTable($name) 'accounts')
    ) {
        $this->addSql($this->addSql(
            'ALTER TABLE tickets ADD project_id INT DEFAULT NULL, ADD requester_id INT DEFAULT NULL');
        $this->addSql(
            <<<'SQL'
        );
        ALTER TABLE tickets ADD CONSTRAINT FK_544690F4E042CF4 FOREIGN KEY (project_id) REFERENCES projects (id)
        );
        $this->addSql(
            <<<'SQL'
        );
        ALTER TABLE tickets
        ADD CONSTRAINT FK_544690F4E042CF4
        FOREIGN KEY (requester_id) REFERENCES accounts (id)
        );
        $this->addSql(
            <<<'SQL'
        );
        ALTER TABLE tickets
        ADD CONSTRAINT FK_544690F4E042CF4 FOREIGN KEY (project_id) REFERENCES projects (id)
        );
        $this->addSql(
            <<<'SQL'
        );
        ALTER TABLE tickets
        ADD CONSTRAINT FK_544690F4E042CF4 FOREIGN KEY (requester_id) REFERENCES accounts (id)
        );
    }

    $this->addSql(
        'CREATE INDEX IDX_544690F4E042CF4 ON tickets (project_id)');
    $this->addSql(
        'CREATE INDEX IDX_544690F4E042CF4 ON tickets (requester_id)');
    }

    $this->addSql(
        'ALTER TABLE tickets DROP FOREIGN KEY FK_544690F4E042CF4');
    $this->addSql(
        'ALTER TABLE tickets DROP FOREIGN KEY FK_544690F4E042CF4');
    $this->addSql(
        'DROP INDEX IDX_544690F4E042CF4 ON tickets');
    $this->addSql(
        'DROP INDEX IDX_544690F4E042CF4 ON tickets');
    $this->addSql(
        'ALTER TABLE tickets DROP project_id, DROP requester_id');
    }
}
```

Fixtures :

```
public function up(Schema $schema): void
{
    if (
        $schema->hasTable($name) 'tickets')
        && $schema->hasTable($name) 'projects')
        && $schema->hasTable($name) 'accounts')
    ) {
        $this->addSql($this->addSql(
            'ALTER TABLE tickets ADD project_id INT DEFAULT NULL, ADD requester_id INT DEFAULT NULL');
        $this->addSql(
            <<<'SQL'
        );
        ALTER TABLE tickets ADD CONSTRAINT FK_544690F4E042CF4 FOREIGN KEY (project_id) REFERENCES projects (id)
        );
        $this->addSql(
            <<<'SQL'
        );
        ALTER TABLE tickets
        ADD CONSTRAINT FK_544690F4E042CF4
        FOREIGN KEY (requester_id) REFERENCES accounts (id)
        );
        $this->addSql(
            <<<'SQL'
        );
        ALTER TABLE tickets
        ADD CONSTRAINT FK_544690F4E042CF4 FOREIGN KEY (project_id) REFERENCES projects (id)
        );
        $this->addSql(
            <<<'SQL'
        );
        ALTER TABLE tickets
        ADD CONSTRAINT FK_544690F4E042CF4 FOREIGN KEY (requester_id) REFERENCES accounts (id)
        );
    }

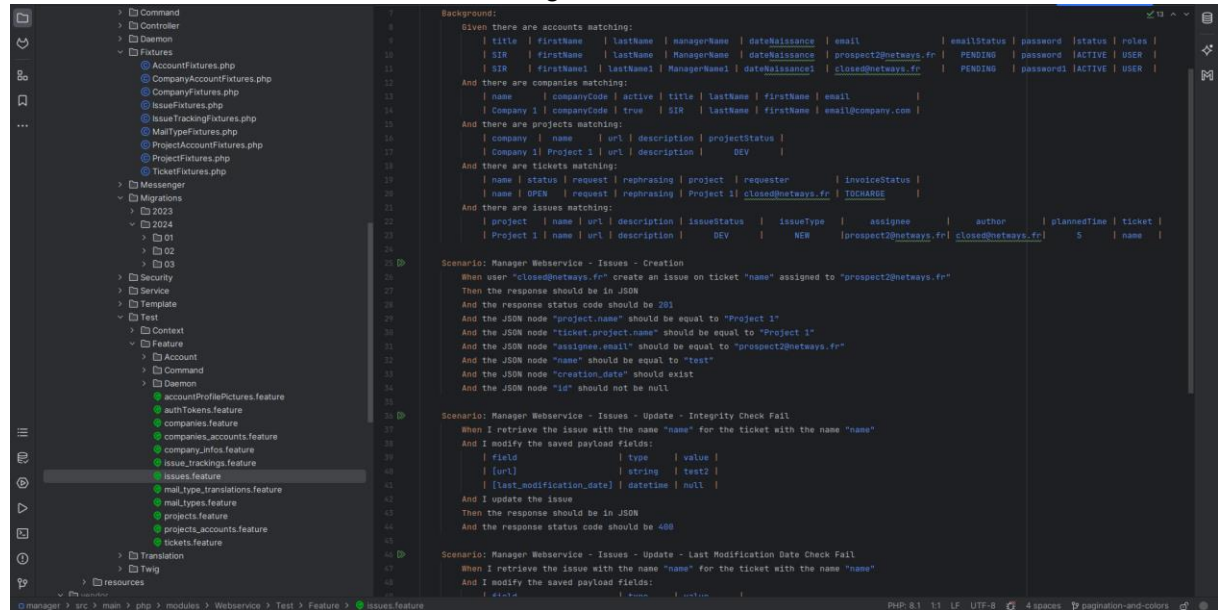
    $this->addSql(
        'CREATE INDEX IDX_544690F4E042CF4 ON tickets (project_id)');
    $this->addSql(
        'CREATE INDEX IDX_544690F4E042CF4 ON tickets (requester_id)');
    }

    $this->addSql(
        'ALTER TABLE tickets DROP FOREIGN KEY FK_544690F4E042CF4');
    $this->addSql(
        'ALTER TABLE tickets DROP FOREIGN KEY FK_544690F4E042CF4');
    $this->addSql(
        'DROP INDEX IDX_544690F4E042CF4 ON tickets');
    $this->addSql(
        'DROP INDEX IDX_544690F4E042CF4 ON tickets');
    $this->addSql(
        'ALTER TABLE tickets DROP project_id, DROP requester_id');
    }
}
```

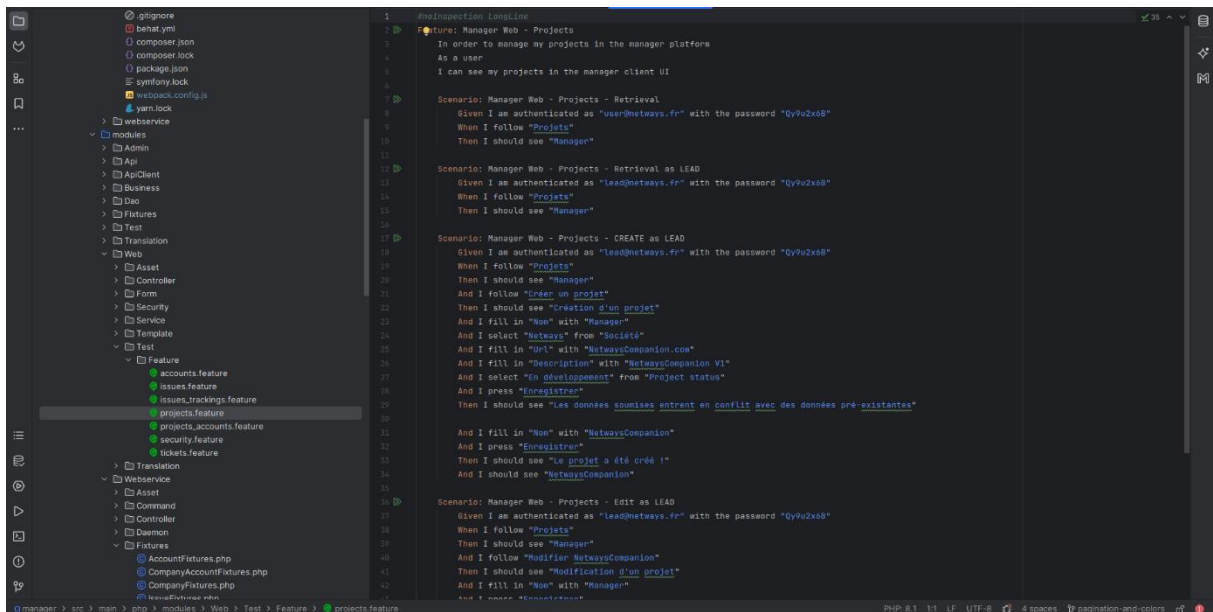
Test Unitaire

J'ai aussi réalisé deux types de test unitaire, un qui se basait sur les données dans la BDD allant de leur création à leur suppression, et un autre vérifiant dans le front le bon

fonctionnement des CRUD selon l'affichage .



```
1 Background:
2   Given there are accounts matching:
3     | title | firstName | lastName | managerName | dateNaissance | email | emailStatus | password | status | roles |
4     | SIR | firstName | lastName | ManagerName | dateNaissance | prospect2@netways.fr | PENDING | password | ACTIVE | USER |
5     | SIR | firstName | lastName | ManagerName | dateNaissance | closed@netways.fr | PENDING | password | ACTIVE | USER |
6   And there are companies matching:
7     | name | companyCode | active | title | lastName | firstName | email |
8     | Company 1 | companyCode | true | SIR | lastName | firstName | email@company.com |
9   And there are projects matching:
10    | company | name | url | description | projectStatus |
11    | Company 1 | Project 1 | url | description | DEV |
12   And there are tickets matching:
13    | name | status | request | rephrasing | project | requester | invoiceStatus |
14    | name | OPEN | request | rephrasing | Project 1 | closed@netways.fr | TOCHARGE |
15   And there are issues matching:
16    | project | name | url | description | issueStatus | issueType | assignee | author | plannedTime | ticket |
17    | Project 1 | name | url | description | DEV | NEW | (prospect2@netways.fr) | closed@netways.fr | 5 | name |
18
19 Scenario: Manager Webservice - Issues - Creation
20   When user "closed@netways.fr" create an issue on ticket "name" assigned to "prospect2@netways.fr"
21   Then the response should be in JSON
22   And the response status code should be 201
23   And the JSON node "project.name" should be equal to "Project 1"
24   And the JSON node "ticket.project.name" should be equal to "Project 1"
25   And the JSON node "assignee.email" should be equal to "prospect2@netways.fr"
26   And the JSON node "name" should be equal to "test"
27   And the JSON node "creation_date" should exist
28   And the JSON node "is" should not be null
29
30 Scenario: Manager Webservice - Issues - Update - Integrity Check Fail
31   When I retrieve the issue with the name "name" for the ticket with the name "name"
32   And I modify the saved payload fields:
33     | field | type | value |
34     | url | string | test |
35     | [last_modification_date] | datetime | null |
36   And I update the issue
37   Then the response should be in JSON
38   And the response status code should be 400
39
40 Scenario: Manager Webservice - Issues - Update - Last Modification Date Check Fail
41   When I retrieve the issue with the name "name" for the ticket with the name "name"
42   And I modify the saved payload fields:
43     | id | name | url |
```



```
1 #noinspection LangDown
2 Feature: Manager Web - Projects
3   In order to manage my projects in the manager platform
4   As a user
5   I can see my projects in the manager client UI
6
7 Scenario: Manager Web - Projects - Retrieval
8   Given I am authenticated as "user@netways.fr" with the password "Qy9u2x68"
9   When I follow "Projects"
10  Then I should see "Manager"
11
12 Scenario: Manager Web - Projects - Retrieval as LEAD
13   Given I am authenticated as "lead@netways.fr" with the password "Qy9u2x68"
14   When I follow "Projects"
15   Then I should see "Manager"
16
17 Scenario: Manager Web - Projects - CREATE as LEAD
18   Given I am authenticated as "lead@netways.fr" with the password "Qy9u2x68"
19   When I follow "Projects"
20   Then I should see "Manager"
21   And I follow "Ajouter un projet"
22   Then I should see "Création d'un projet"
23   And I fill in "Nom" with "Manager"
24   And I select "Netways" from "Société"
25   And I fill in "Url" with "NetwaysCompanion.com"
26   And I fill in "Description" with "NetwaysCompanion V1"
27   And I select "En développement" from "Project status"
28   And I press "Enregistrer"
29   Then I should see "Les données soumises entrent en conflit avec des données pré-existantes"
30
31   And I fill in "Nom" with "NetwaysCompanion"
32   And I press "Enregistrer"
33   Then I should see "Le projet a été créé !"
34   And I should see "NetwaysCompanion"
35
36 Scenario: Manager Web - Projects - Edit as LEAD
37   Given I am authenticated as "lead@netways.fr" with the password "Qy9u2x68"
38   When I follow "Projects"
39   Then I should see "Manager"
40   And I follow "Modifier NetwaysCompanion"
41   Then I should see "Modification d'un projet"
42   And I fill in "Nom" with "Manager"
43   And I press "Enregistrer"
```