

I. Guide d'implémentation

Il est question ici de rédiger un manuel permettant la continuation du projet, donc nous devons décrire dans les moindres détails comment.

L'application mutuelle est développée coté frontend avec React-Native et cote backend Python (Django et DjangoRest-Framework). Par la suite, nous allons présenter comment continuer l'implémentation sur linux et sur windows.

Avant de commencer, il est bon de savoir que pour bien faire tourner le projet, il faut une machine avec les caractéristiques suivantes :

- 8go de ram minimum
- Un disque dur ssd de 128go minimum (vous pouvez utiliser un disque dur hdd mais ça sera un peu plus lent)
- Une carte graphique de 128mo de dédié minimum
- Un processeur de 7th génération intel

1. Sur Linux

Tout d'abord télécharger le code source de l'application sur GitHub :

a. Frontend

- Ouvrir le terminal linux et creer un nouveau dossier de travail : **mkdir nomDossier** puis **cd nom_Dossier** pour entrer dans ce dossier
- Cloner le projet par disponible sur le git du projet par la commande **git clone https://git.HASHIRAMA21/mutuelle_frontend.git/** (se rassurer d'être connecter à internet)
- Ceci fait, taper ensuite la commande **cd mutuelle_frontend**
- Par la suite, il faut installer les dépendances du projet par la commande **npm install -y**
- Une fois les dépendances téléchargées, ouvrez le projet par votre environnement de développement préféré (vscode, sublime text,...) , puis commencer à éditer le projet et ajouter les modifications.
- **npm start** pour exécuter le projet

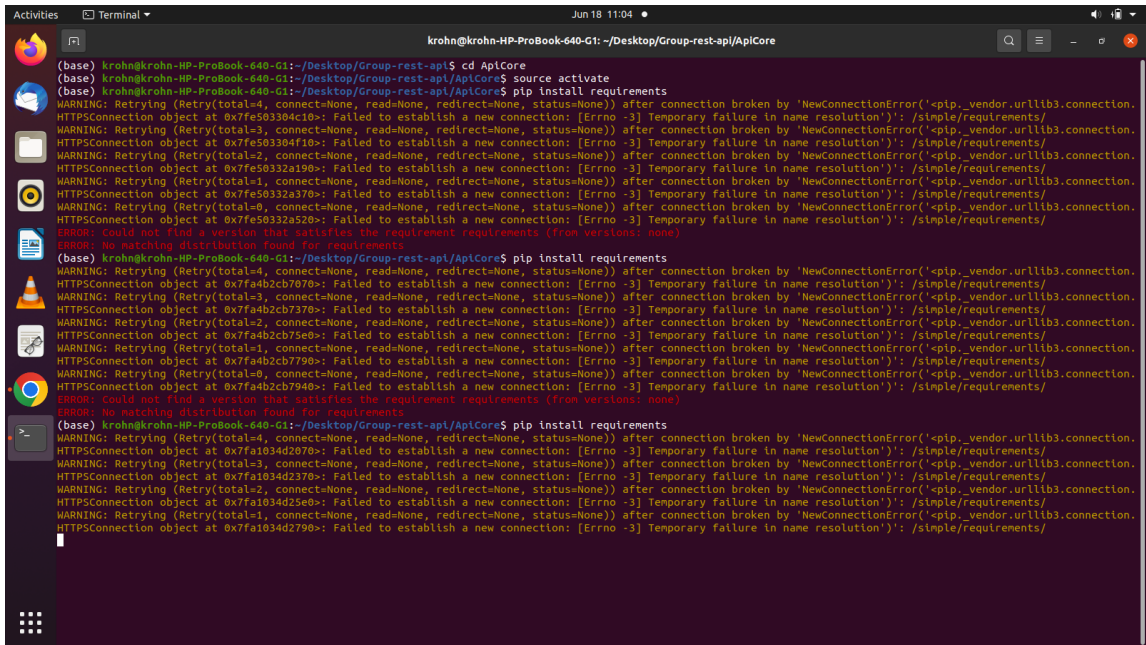
a. Backend

Le backend de l'application étant fait en python (django et djangorestframework), les outils nécessaires sont :

- Un serveur MySQL installer et fonctionnel
- Python installé de préférence (version >= 3.8)

-
- Activities Jun 18 10:55 krohn@krohn-HP-ProBook-640-G1: ~/Music/Mutuelle_Api
- ```
(base) krohn@krohn-HP-ProBook-640-G1:~/Music$ mkdir Mutuelle_Api
(base) krohn@krohn-HP-ProBook-640-G1:~/Music$ cd Mutuelle_Api
(base) krohn@krohn-HP-ProBook-640-G1:~/Music/Mutuelle_Api$
```

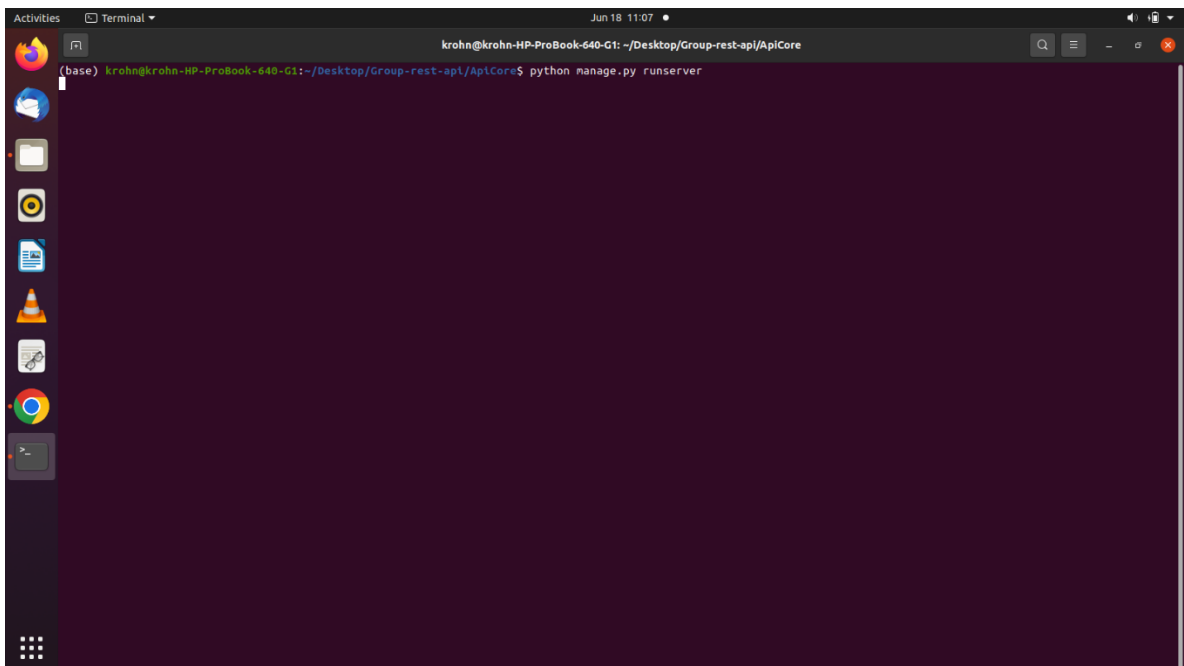
- **cd mutuelle\_backend** (Il faudra ensuite activer l'environnement virtuel par la commande **source env/activate** ou **source activate**)
- Installer les dépendances nécessaires au projet par la commande **pip install requirements** où requirements sont les fichiers .txt contenant toutes les dépendances nécessaires au projet



```
Jun 18 11:04
krohn@krohn-HP-ProBook-640-G1: ~/Desktop/Group-rest-api/ApiCore
(base) krohn@krohn-HP-ProBook-640-G1:~/Desktop/Group-rest-api/ApiCore$ cd ApiCore
(base) krohn@krohn-HP-ProBook-640-G1:~/Desktop/Group-rest-api/ApiCore$ source activate
(base) krohn@krohn-HP-ProBook-640-G1:~/Desktop/Group-rest-api/ApiCore$ pip install requirements
WARNING: Retrying (Retry(total=4, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.
HTTPSConnection object at 0x7fe503304c10>: Failed to establish a new connection: [Errno -3] Temporary failure in name resolution')': /simple/requirements/
WARNING: Retrying (Retry(total=3, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.
HTTPSConnection object at 0x7fe503304f10>: Failed to establish a new connection: [Errno -3] Temporary failure in name resolution')': /simple/requirements/
WARNING: Retrying (Retry(total=2, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.
HTTPSConnection object at 0x7fe50332a190>: Failed to establish a new connection: [Errno -3] Temporary failure in name resolution')': /simple/requirements/
WARNING: Retrying (Retry(total=1, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.
HTTPSConnection object at 0x7fe50332a370>: Failed to establish a new connection: [Errno -3] Temporary failure in name resolution')': /simple/requirements/
WARNING: Retrying (Retry(total=0, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.
HTTPSConnection object at 0x7fe50332a520>: Failed to establish a new connection: [Errno -3] Temporary failure in name resolution')': /simple/requirements/
ERROR: Could not find a version that satisfies the requirement requirements (from versions: none)
ERROR: No matching distribution found for requirements
(base) krohn@krohn-HP-ProBook-640-G1:~/Desktop/Group-rest-api/ApiCore$ pip install requirements
WARNING: Retrying (Retry(total=4, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.
HTTPSConnection object at 0x7fa4b2cb7070>: Failed to establish a new connection: [Errno -3] Temporary failure in name resolution')': /simple/requirements/
WARNING: Retrying (Retry(total=3, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.
HTTPSConnection object at 0x7fa4b2cb7370>: Failed to establish a new connection: [Errno -3] Temporary failure in name resolution')': /simple/requirements/
WARNING: Retrying (Retry(total=2, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.
HTTPSConnection object at 0x7fa4b2cb75e0>: Failed to establish a new connection: [Errno -3] Temporary failure in name resolution')': /simple/requirements/
WARNING: Retrying (Retry(total=1, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.
HTTPSConnection object at 0x7fa4b2cb7790>: Failed to establish a new connection: [Errno -3] Temporary failure in name resolution')': /simple/requirements/
WARNING: Retrying (Retry(total=0, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.
HTTPSConnection object at 0x7fa4b2cb7940>: Failed to establish a new connection: [Errno -3] Temporary failure in name resolution')': /simple/requirements/
ERROR: Could not find a version that satisfies the requirement requirements (from versions: none)
ERROR: No matching distribution found for requirements
(base) krohn@krohn-HP-ProBook-640-G1:~/Desktop/Group-rest-api/ApiCore$ pip install requirements
WARNING: Retrying (Retry(total=4, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.
HTTPSConnection object at 0x7fa1034d2070>: Failed to establish a new connection: [Errno -3] Temporary failure in name resolution')': /simple/requirements/
WARNING: Retrying (Retry(total=3, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.
HTTPSConnection object at 0x7fa1034d2370>: Failed to establish a new connection: [Errno -3] Temporary failure in name resolution')': /simple/requirements/
WARNING: Retrying (Retry(total=2, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.
HTTPSConnection object at 0x7fa1034d25e0>: Failed to establish a new connection: [Errno -3] Temporary failure in name resolution')': /simple/requirements/
WARNING: Retrying (Retry(total=1, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.
HTTPSConnection object at 0x7fa1034d2790>: Failed to establish a new connection: [Errno -3] Temporary failure in name resolution')': /simple/requirements/
```

Figure 2<sup>2</sup>: implementation 2

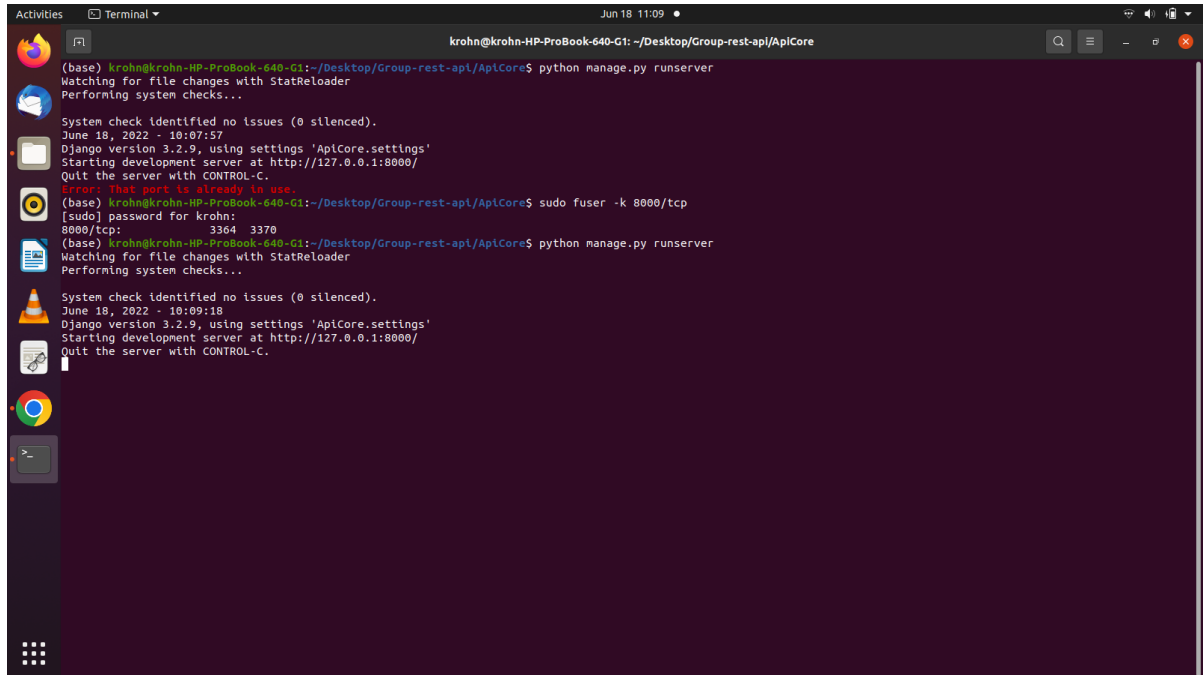
- Éditer le fichier settings.py et modifier les paramètres de connexion à la base de données
- Faire `cd mutuelle_backend`
- Puis `python manage.py runserver` pour exécuter le projet



```
Jun 18 11:07
krohn@krohn-HP-ProBook-640-G1: ~/Desktop/Group-rest-api/ApiCore
(base) krohn@krohn-HP-ProBook-640-G1:~/Desktop/Group-rest-api/ApiCore$ python manage.py runserver
```

Figure 3 : implementation 3

- **python manage.py makemigrations** pour initialiser les migrations
- **python manage.py migrate** pour migrer les tables dans la base de données
- Puis taper **python manage.py runserver**



```

(krohn@krohn-HP-ProBook-640-G1:~/Desktop/Group-rest-api/ApiCore$ python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
June 18, 2022 - 10:07:57
Django version 3.2.9, using settings 'ApiCore.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.
Error: that port is already in use
(krohn@krohn-HP-ProBook-640-G1:~/Desktop/Group-rest-api/ApiCore$ sudo fuser -k 8000/tcp
[sudo] password for krohn:
8000/tcp: 3364 3370
(krohn@krohn-HP-ProBook-640-G1:~/Desktop/Group-rest-api/ApiCore$ python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
June 18, 2022 - 10:09:18
Django version 3.2.9, using settings 'ApiCore.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.

```

Figure 4: implementation 4

## 2. Sur Windows

Pour un environnement de travail Windows, la configuration du frontend est en tout point identique à un environnement linux.

### a. Pour le backend

- Suivre la procédure jusqu'au niveau de l'activation de l'environnement virtuel, puis entrer dans le dossier de code source et taper **cd env/Scripts/activate.bat**

```
C:\Windows\System32\cmd.exe
Microsoft Windows [version 10.0.18363.1801]
(c) 2019 Microsoft Corporation. Tous droits réservés.

E:\Group-rest-api>cd env
11:25 E:\Group-rest-api\env>cd Scripts/activate.bat
00:00 Nom de répertoire non valide.
07:07 E:\Group-rest-api\env>cd ..
13:17 E:\Group-rest-api>cd env/Scripts/activate.bat
Nom de répertoire non valide.
E:\Group-rest-api>cd env/Scripts
E:\Group-rest-api\env\Scripts>activate
(env) E:\Group-rest-api\env\Scripts>
```

Figure 5: implementation 5

- Puis installer les dépendances par **pip install requirements**

```
C:\Windows\System32\cmd.exe
E:\Group-rest-api>cd env/Scripts
E:\Group-rest-api\env\Scripts>activate
(env) E:\Group-rest-api\env\Scripts>cd ..
11:25 (env) E:\Group-rest-api\env>cd ..
00:00 (env) E:\Group-rest-api>cd ApiCore
07:07 (env) E:\Group-rest-api\ApiCore>pip3 install requirements
13:17 (env) E:\Group-rest-api\ApiCore>
WARNING: Retrying (Retry(total=4, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError(<pip._vendor.urllib3.connection.HTTPSConnection object at 0x000001BDB1C485B0>: Failed to establish a new connection: [Errno 11001] getaddrinfo failed)': /simple/requirements/
WARNING: Retrying (Retry(total=3, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError(<pip._vendor.urllib3.connection.HTTPSConnection object at 0x000001BDB1C48880>: Failed to establish a new connection: [Errno 11001] getaddrinfo failed)': /simple/requirements/
WARNING: Retrying (Retry(total=2, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError(<pip._vendor.urllib3.connection.HTTPSConnection object at 0x000001BDB1C48A90>: Failed to establish a new connection: [Errno 11001] getaddrinfo failed)': /simple/requirements/
WARNING: Retrying (Retry(total=1, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError(<pip._vendor.urllib3.connection.HTTPSConnection object at 0x000001BDB1C48CA0>: Failed to establish a new connection: [Errno 11001] getaddrinfo failed)': /simple/requirements/
WARNING: Retrying (Retry(total=0, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError(<pip._vendor.urllib3.connection.HTTPSConnection object at 0x000001BDB1C48EB0>: Failed to establish a new connection: [Errno 11001] getaddrinfo failed)': /simple/requirements/
ERROR: Could not find a version that satisfies the requirement requirements
ERROR: No matching distribution found for requirements

(env) E:\Group-rest-api\ApiCore>
```

Figure 6: implementation 6

- Éditer le fichier settings.py pour configurer la base de données et continuer les étapes de linux

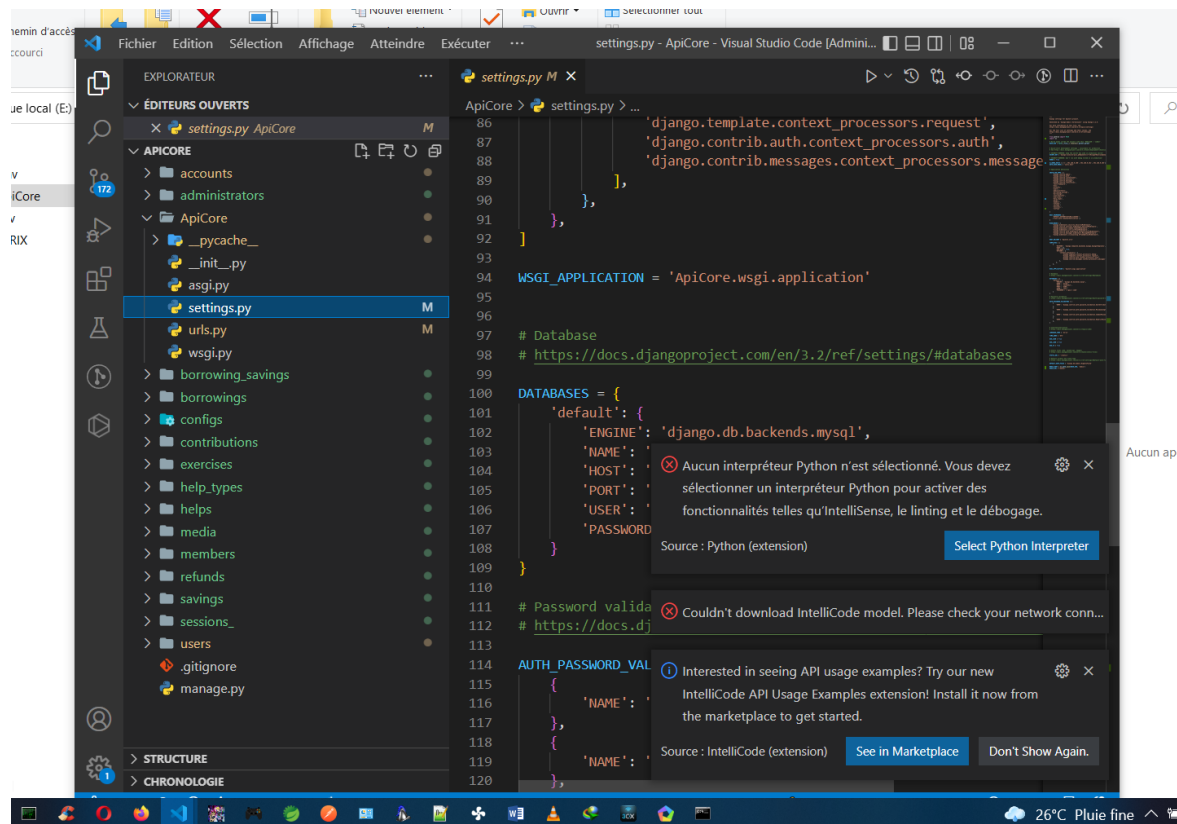


Figure 7: implementation 7