

Rapport Mqtt

Fonctionnement Principale d'Application TravelTheWorld, Disney Edition

2 points important dans l'application

Le « First » qui lance l'application principale qui est à écoute sur le bus de MQTT sur le topic de « REQUEST_TOPIC » et qui réponds sur le topic RESPONSE_TOPIC qui dépends la valeur de « REQUEST_TOPIC ».

L'application « First » est en attendant d'une premier requête « Start »

C'est là que l'application Second viens pour intégrer car en se connectant sur le même topic elle envoi la commande Start pour faire fonctionne « First »

Du coup nous avons le premier message qui apparait :

```
« Welcome to TravelTheWorld ! Disney Edition !  
What type of transport you want to take from the first destination ?  
(train/plane) - tape your choice then press enter  
If you wish start again tape 'Start '  
other commands exit, help, history
```

Une conversation complete (train) :

```
Connected to MQTT broker at tcp://localhost:1883  
  
Welcome to TravelTheWorld ! Disney Edition !  
What type of transport you want to take from the first destination ?  
(train/plane) - tape your choice then press enter  
If you wish start again tape 'Start '  
other commands exit, help, history  
  
> train  
List of Parks accessible by Train:  
ID: 1, Name: Disneyland Park, City: Anaheim  
ID: 2, Name: Walt Disney Studios Park, City: Marne-la-Vallee  
ID: 4, Name: Shanghai Disneyland Park, City: Pudong New District  
ID: 5, Name: Tokyo Disneyland Park, City: Urayasu  
  
Choose one of the IDs to plan your journey :  
  
> 1  
List of city from which the park is accesible:  
Chose one of the City from which you will travel  
, City B: 2, Name: Marne-la-Vallee  
, City B: 4, Name: Pudong New District  
, City B: 5, Name: Urayasu
```

```
> 2
your first journey will look like this :
Access Type: train, Park Name: Disneyland Park, City Start: Marne-la-Vallee, City
End: Anaheim
The journey has been saved, you can see last 10 by tapping history
Choice the next type of transport for the next journey (train/plane)
```

Voici les autres options/requetés :

History :

```
> history
Travel by train, To Park : Disneyland Park, From City : Marne-la-Vallee, To City :
Anaheim
Travel by plane, To Park : Walt Disney Studios Park, From City : Lantau Island, To
City : Marne-la-Vallee
Travel by train, To Park : Tokyo Disneyland Park, From City : Anaheim, To City :
Urayasu
```

Delete : (supprimer tous les voyage/ historique)

```
> delete
All travels deleted !
```

Help : Qui explique le principe de fonctionnement

```
> help
Welcome to Travel the World, Disney Help :
- 'Start' for back to the beggining of application
- 'history' to see last 10 journey planned if there is something
- 'exit' to exit the application
- 'delete' to delete All travels from history !!!
To start first journey chose your prefered travel type train or plane
Then follow the instruction given and enjoy your planned vacation !
```

Exit

```
> exit
Disconnected from MQTT broker
```

Prérequis pour lancement :

- Mqtt Client comme mosquitto
- MariaDB/Mysql

Korolczuk Mateusz

- Java Environnement

L'application se lance en 2 etape :

1^{er} lance first pour declanche l'ecoute sur le port mqtt

2eme lance second pour utilise l'interface d'utilisateur sur console.

