

# Mini Projet Android

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# GoToEslg

A hand with a light-colored sleeve points towards a complex, multi-colored transit map. The map features numerous lines in blue, red, yellow, green, and purple, representing different transit routes. The background is dark, and the map is brightly lit, creating a high-contrast scene.

# PLAN

- Introduction
- Fonctionnement
- Difficultés rencontrées
- Démonstration
- Conclusion

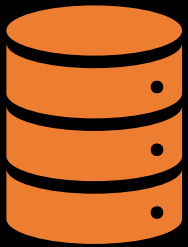
# INTRODUCTION

Vos trajets planifiés en toute sécurité

The logo for GoToEsIg, featuring the text "GoToEsIg" in a blue serif font, with the "Go" and "Ig" parts slightly larger and more prominent than the "ToEs" part. The logo is centered within a white circle that has a thin blue border. The background of the slide is black, with a vertical blue bar on the right side.

GoToEsIg

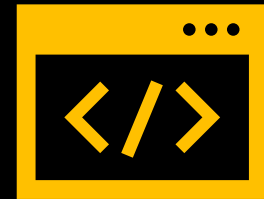
# FUNCTIONNEMENT



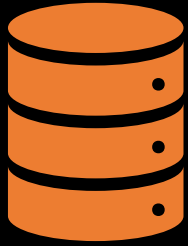
Base de données



Class



Interface(Layout)



# FireBase

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AndroidMiniProject

Accéder à la documentation

## Authentication

Users Sign-in method Templates Usage

Prototyperez et testez vos applications de bout en bout avec la suite d'émulateurs locaux, désormais compatible avec Firebase Authentication [Premiers pas](#)

Recherchez par adresse e-mail, numéro de téléphone ou ID utilisateur [Ajouter un utilisateur](#)

Identifiant	Fournisseurs	Date de création	Dernière connexion	UID utilisateur
woodyb754@gmail.com		5 janv. 2022	5 janv. 2022	xVqhwkaIPYUP1eUEdc2ttmGp4vP2
bouraimaaremour@gmail.c...		5 janv. 2022	7 janv. 2022	MSd1ZKb7HAhpecS0FK4Aag7IDFt1
bb@ff.com		3 janv. 2022	3 janv. 2022	z9aBBaWmbTURvRirRANGFufOZI...
bouraimaaremour9@gmail...		14 déc. 2021	14 déc. 2021	hVdbEhYqC1Y7wAmVPI3Jzhw1xjh1
karineattolou@gmail.com		13 déc. 2021	13 déc. 2021	9k11AkU9ErUWZAbcsbHsNufsJLJ2

Lignes par page: 50 1 - 5 of 5

Authentication (inscription, connexion)

AndroidMiniProject

Accéder à la documentation

## Cloud Firestore

Données Règles Index Utilisation

Protégez vos ressources Cloud Firestore des utilisations abusives telles que la fraude à la facturation et le hameçonnage [Configurer App Check](#)

Prototyperez et testez vos applications de bout en bout avec la suite d'émulateurs locaux, désormais compatible avec Firebase Authentication [Premiers pas](#)

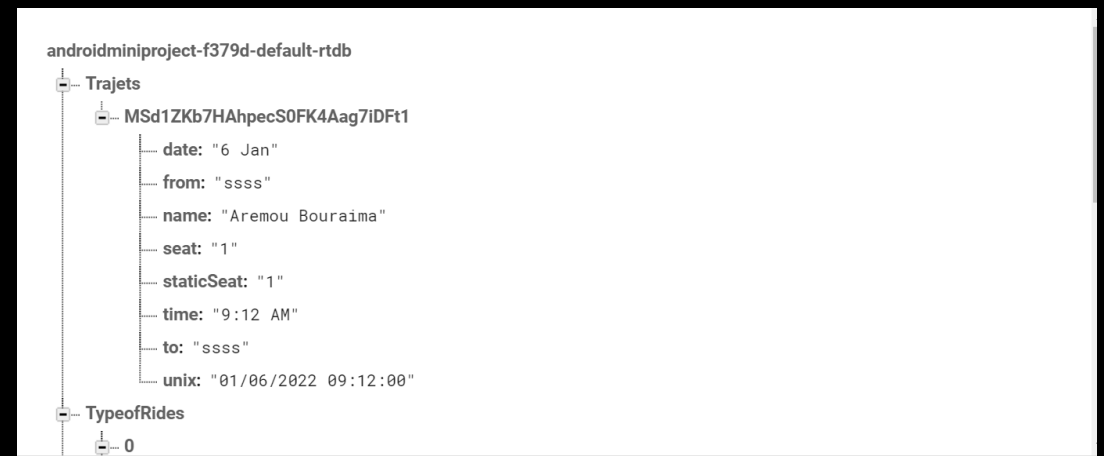
users > MSd1ZKb7HAh...

androidminiproject-f379d	users	MSd1ZKb7HAhpecS0FK4Aag7IDFt1
<a href="#">+ Commencer une collection</a>	<a href="#">+ Ajouter un document</a>	<a href="#">+ Commencer une collection</a>
users >	MSd1ZKb7HAhpecS0FK4Aag7IDFt1 >	<a href="#">+ Ajouter un champ</a>
	xVqhwkaIPYUP1eUEdc2ttmGp4vP2	fullname: "Aremou Bouraima"

Stockage du nom et prénom dans Firestore

# AUTHENFICATION

# LES TRAJETS






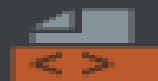
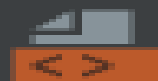
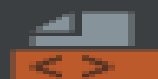
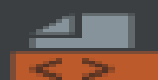

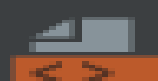

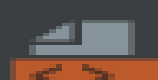
# CLASS

- Ⓢ activity\_login
- Ⓢ activity\_register
- Ⓢ AddTrajetFragment
- ▼ Ⓢ API
  - Ⓢ ⚙ DurationTask
- Ⓢ MainActivity
- Ⓢ MesTrajetFragement
- Ⓢ ProfileFragment
- Ⓢ RecyclerViewAdapter
- Ⓢ Route
- Ⓢ Trajet
- Ⓢ TypeofRides
- Ⓢ ViewHolder





# LAYOUT

-  activity\_login.xml
-  activity\_main.xml
-  activity\_main2.xml
-  activity\_register.xml
-  fragment\_add\_trajet.xml
-  fragment\_mes\_trajet.xml
-  fragment\_profile.xml
-  nav\_header.xml
-  singlerow.xml

```
2022-01-07 12:19:42.521 7110-7155/com.example.myapplication I/RSP: {"durations":[[0.0,109.42],[103.93,0.0]],"distances":[[0.0,1.55],[1.53,0.0]],  
"destinations":[{"location":[29.921648,40.824671],"snapped_distance":1.54},{"location":[29.912071,40.829814],"snapped_distance":77.59}],  
"sources":[{"location":[29.921648,40.824671],"snapped_distance":1.54},{"location":[29.912071,40.829814],"snapped_distance":77.59}],  
"metadata":{"attribution":"openrouteservice.org | OpenStreetMap contributors","service":"matrix","timestamp":1641554386703,  
"query":{"locations":[[29.92163,40.82467],[29.911804904992778,40.82914552445229]],"profile":"driving-car","responseType":"json",  
"metricsStrings":["DISTANCE","DURATION"],"metrics":["distance","duration"],"units":"km"},"engine":{"version":"6.6.3"},  
"build_date":"2021-12-16T11:22:41Z","graph_date":"2021-12-30T00:30:23Z"}}
```

Réponse

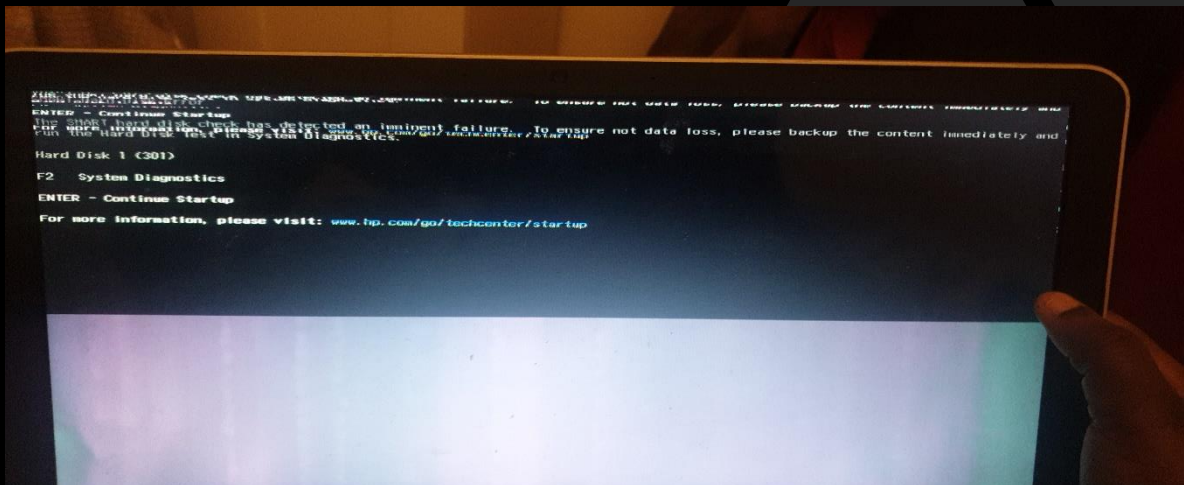
# DISTANCE MATRIX API

```
2022-01-07 12:19:41.949 7110-7155/com.example.myapplication I/JSONN: {"locations":[[29.92163,40.82467],[29.911804904992778,40.82914552445229]],  
"metrics":["distance","duration"],"units":"km"}
```

Corps de la requête

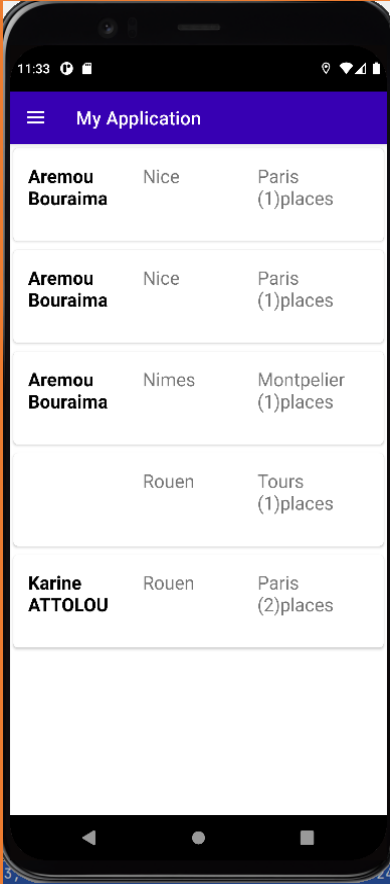
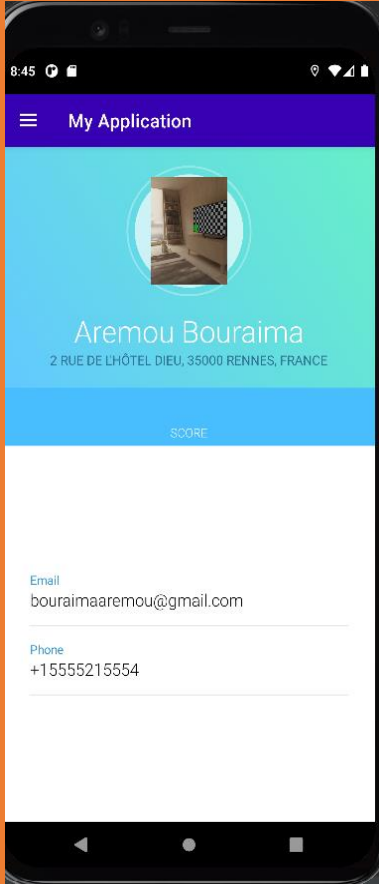
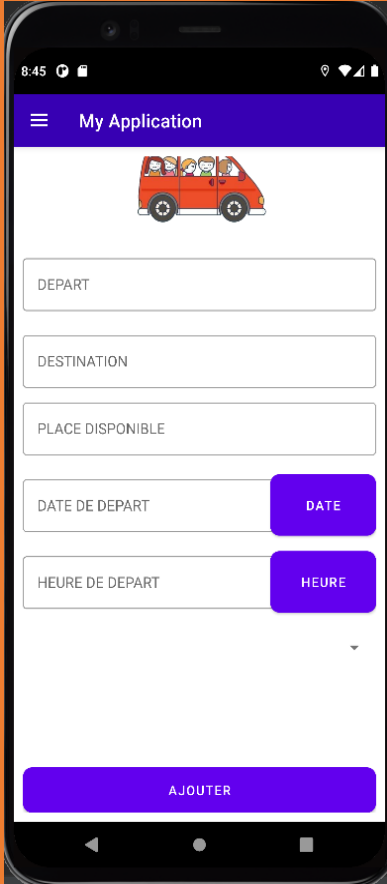
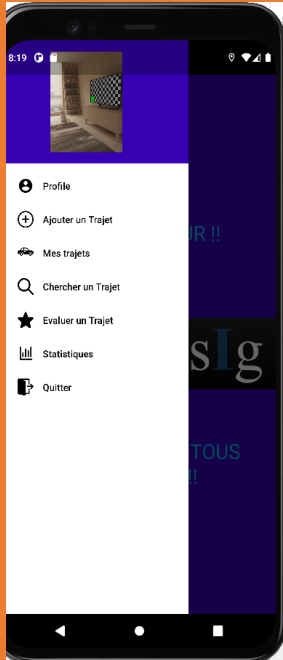
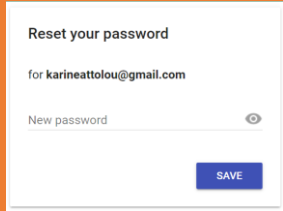
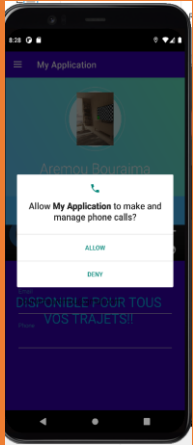
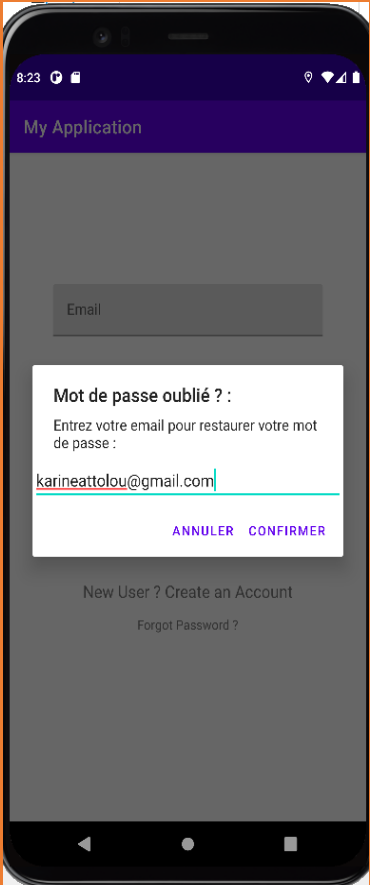
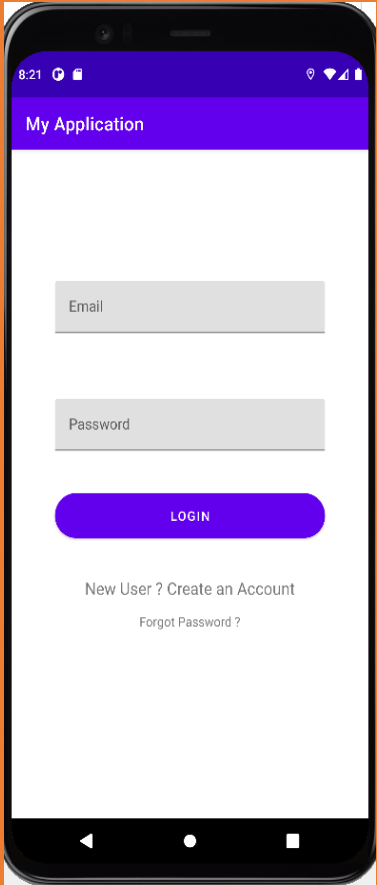
# DIFFICULTES RENCONTREES

- Compréhension de l'api
- Synchronisation du *graddle* sur certains posts de travaux
- Perte de la majorité des données



# DEMONSTRATION





# CONCLUSION

- L'utilité de Gotoesig :
  - ✓ Apprendre énormément sur la programmation Android ainsi que sur la gestion d'un projet.
  - ✓ Connaitre l'importance des dépôts git.
- Aussi la connexion et la récupération des données à partir de Distance Matrix API fut un vrai défi et renforcement majeur de nos connaissances.