

# **DOCUMENTATION**

**App – Name: BookmyTime**

## **Team members:**

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## **Dozent:**

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# 1.Introduction

## 1.1. Description

**Bookmytime** is a mobile application designed to connect users with various services, allowing them to efficiently manage their time by offering and accepting assistance from others.

## 1.2. Project Objectives

- Facilitate user registration with their email address and password (US1).
- Enable users to create their profiles by specifying their skills and availability (US2).
- Allow users to provide description of their needs and tasks (US3).
- Offer comprehensive booking management and activity history functionalities (US5, US6).
- Allow users to accept offers for assistance and access task-related information (US9, US10, US11).
- Provide complete account management features including logout (US12).

# 2.Project Objectives

## 2.1. Key Features

- User Registration
- Profile creation with Skills and Availability
- Task description
- Booking management
- Activity history
- Notifications
- Offer acceptance.
- Task difficulty rating
- Review display.
- Account management.

# 3.Technologies Used

## 3.1. Supported Platforms

- iOS
- Android

To build this application we used **Flutter** with **Dart** as the main language. Furthermore, we have used the **Firebase** as our database container.

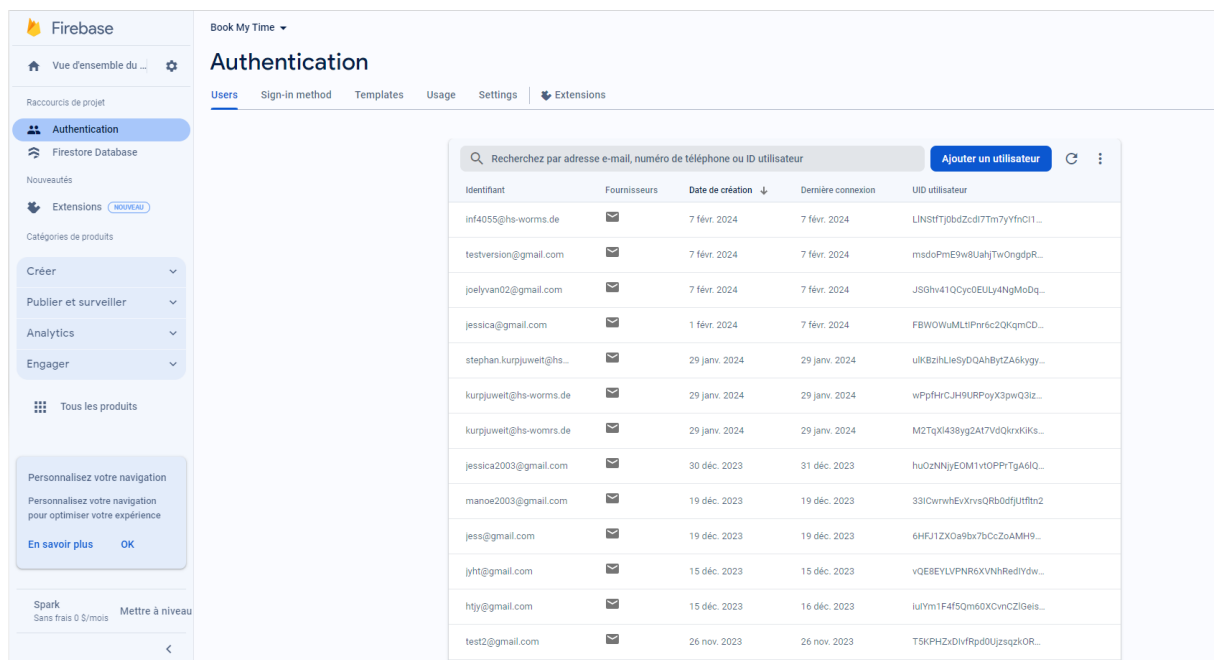
## 4.Database and Storage

Firebase is a mobile application development platform from Google with powerful features for developing, managing, and improving applications.

Firebase is basically a collection of tools that developers can rely on to build applications and extend them as needed.

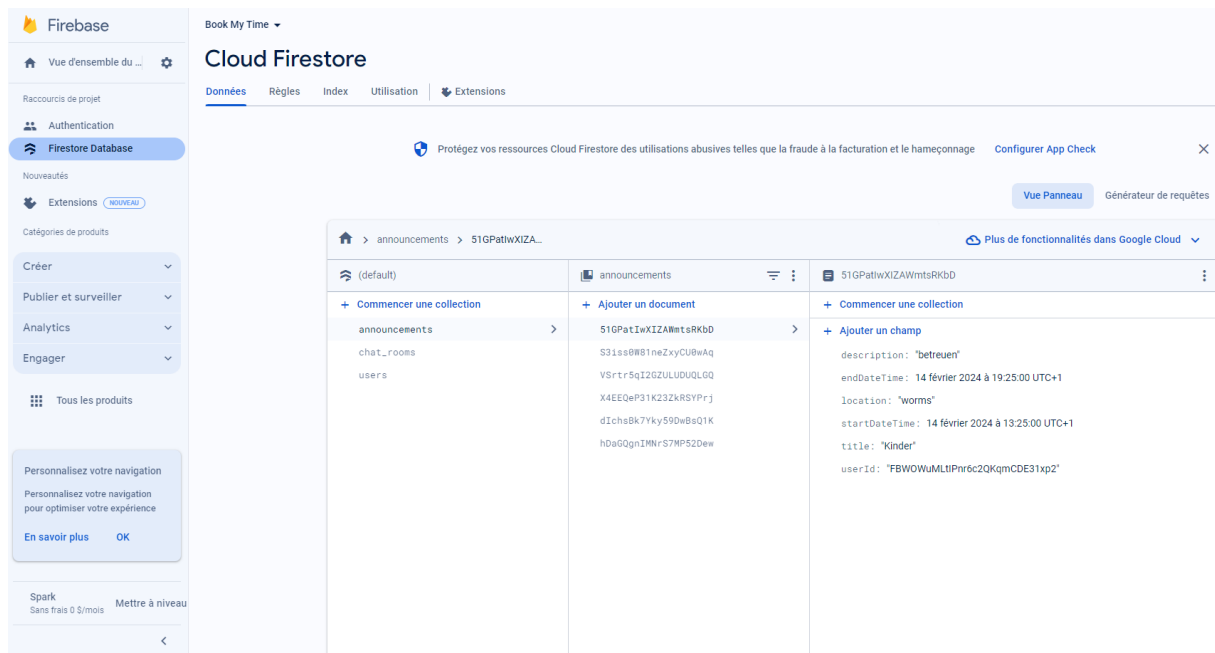
Firebase aims to solve three main problems for developers:

- Quickly build an app
- Share and monitor an app, with confidence.
- Engage users, developers who rely on this platform get access to services they would have to develop themselves, and they can focus on delivering robust application experiences.



The screenshot shows the Firebase Authentication console. On the left is a sidebar with navigation options: 'Vue d'ensemble du ...', 'Raccourcis de projet', 'Authentication' (selected), 'Firestore Database', 'Nouveautés', 'Extensions' (marked 'NOUVEAU'), and 'Catégories de produits'. Below these are sections for 'Créer', 'Publier et surveiller', 'Analytics', and 'Engager'. A 'Personnalisez votre navigation' section is also present. The main area is titled 'Authentication' and includes tabs for 'Users', 'Sign-in method', 'Templates', 'Usage', 'Settings', and 'Extensions'. The 'Users' tab is active, displaying a table of users with columns for 'Identifiant', 'Fournisseurs', 'Date de création', 'Dernière connexion', and 'UID utilisateur'. A search bar at the top of the table allows searching by email, phone number, or user ID. A button 'Ajouter un utilisateur' is in the top right of the table area.

Identifiant	Fournisseurs	Date de création	Dernière connexion	UID utilisateur
inf4055@hs-worms.de	📧	7 févr. 2024	7 févr. 2024	LINStfTj0dZcd7Tm7yYfnci1...
testversion@gmail.com	📧	7 févr. 2024	7 févr. 2024	msdoPmE9w8UahjTwOngdpR...
joelyvan02@gmail.com	📧	7 févr. 2024	7 févr. 2024	JS9hv41QOyc0EULy4NgMoDq...
jessica@gmail.com	📧	1 févr. 2024	7 févr. 2024	FBWOWuMLtIPnr6c2QkqCD...
stephan.kurpjuweit@hs...	📧	29 janv. 2024	29 janv. 2024	uIKBzihLleSyDQAhbyZa6kygy...
kurpjuweit@hs-worms.de	📧	29 janv. 2024	29 janv. 2024	wPpfHrCJH9URPoyX3pwQ3Iz...
kurpjuweit@hs-worms.de	📧	29 janv. 2024	29 janv. 2024	M2TqXl438yg2A7VdQkrxKks...
jessica2003@gmail.com	📧	30 déc. 2023	31 déc. 2023	huOzNNjyEOM1vIOPPrTgA6IQ...
manoe2003@gmail.com	📧	19 déc. 2023	19 déc. 2023	33ICwrwhEvXrsQRb0dfJutfn2
jessa@gmail.com	📧	19 déc. 2023	19 déc. 2023	6HfJ1ZX0a9bx7bCcZoAmH9...
lyht@gmail.com	📧	15 déc. 2023	15 déc. 2023	vQEBEYLVpNR6XVnhRedYdw...
htjy@gmail.com	📧	15 déc. 2023	16 déc. 2023	IuYm1F4f5Qm60XCvncZGeis...
test2@gmail.com	📧	26 nov. 2023	26 nov. 2023	TSKPHZxDivRpd0UjzsqzkOR...



## 5. User Interface (UI/UX)

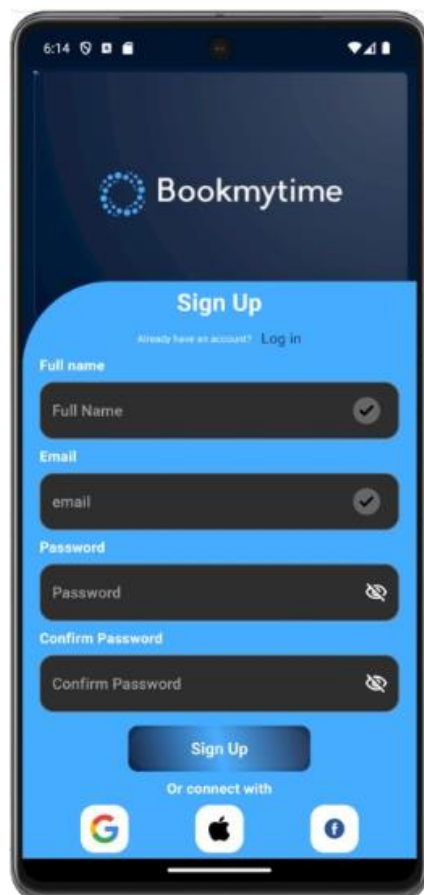
### 5.1. Wireframes



## BookMyTime

Is an application that allows people in need to ask for support from others who can do it voluntarily and who will receive feedback after the task as well as social points of the city in which they are.

When the user already has an e-mail address in the system. He can login to the system in complete security, or register via his gmail address or icloud account.



## **5.2. Design Guidelines**

- Use intuitive colors that perfectly match those of our logo.
- User-friendly interface.

# **6.Key Features**

## **6.1. User Registration**

- Backend integration for user registration
- Email and password validation.
- Secure storage of user data

## **6.2. Profile creation**

- Profile creation feature
- Storage of user information including skills and availability.

## **6.3. Task Description**

- Implementation of task description feature.
- Recording task description.

## **6.4. Booking Management**

- View, accept and manage bookings.
- Wireframes for booking management.

## **6.5. Activity History**

- Implementation of activity history feature.
- Display of past activities.

## **6.6. Notifications**

- Implementation of notification feature
- Notification settings management.

## **6.7. Offer Acceptance**

- Implementation of offer acceptance feature
- Management of received offers.

## 6.8. Task Difficulty Rating

- Display of task difficulty ratings provided by other users.
- Wireframes for displaying difficulty ratings.

## 6.9. Account Management

- Account Logout.
- Permanent Account Deletion.

# 7. Development and Integration

On this step of development, we have developed features in stages and integrated parallel Unit-Tests at each stage of development. Furthermore, we have used a Firebase's API for the Registration, inscription and the save of user's information.

# 8. Testing and Validation

## 8.1. Test Plan

- Unit tests for each feature
- Integration tests for complete flows
- Acceptance tests to ensure fulfillment of definition of done criteria.

## 8.2. Test Cases

# 9. Security and Privacy

In our system, we use strict security measures such as encryption of each user's data and the use of a security protocol. Example HTTPS

# 10. References

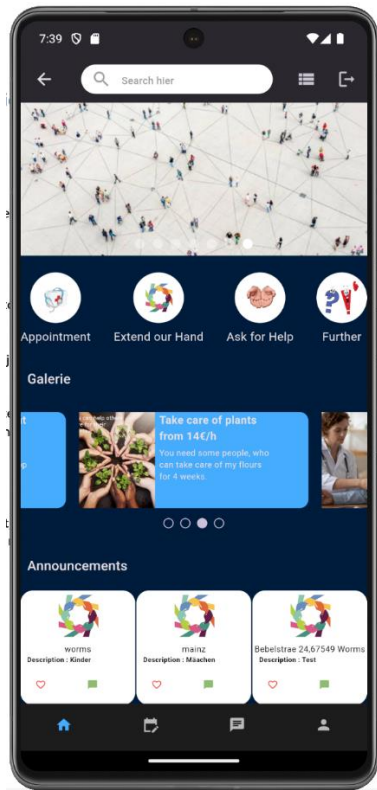
- [Firebase Documentation](#)
- [Apple Developer Documentation](#)
- [Android Developer Documentation](#)

# 11. Deployment and Maintenance

Our application will be deployed on the Playstore for Android users and on the Apple Store for iOS users. This will ensure that our application is used by as many people as possible.

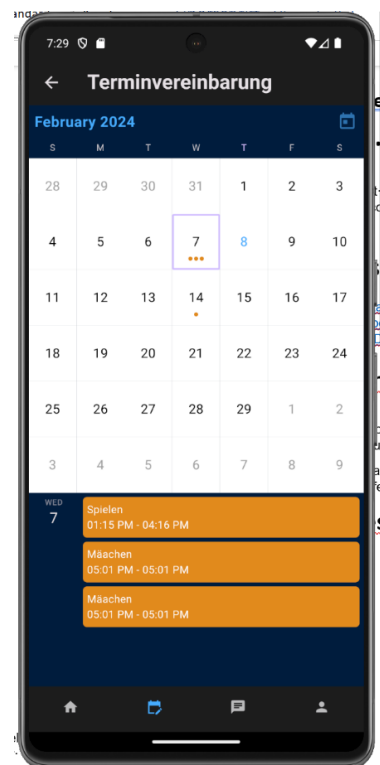
This will be maintained on a regular basis to resolve bugs, introduce new features and improve according to user feedback.

## 12. Appendices

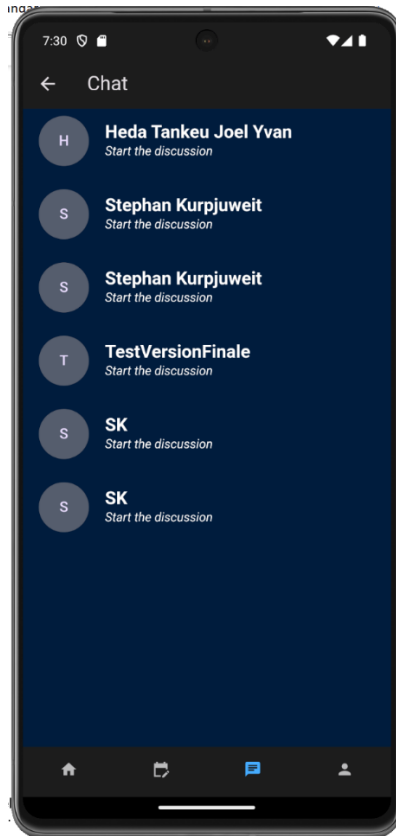


Home by BookMyTime

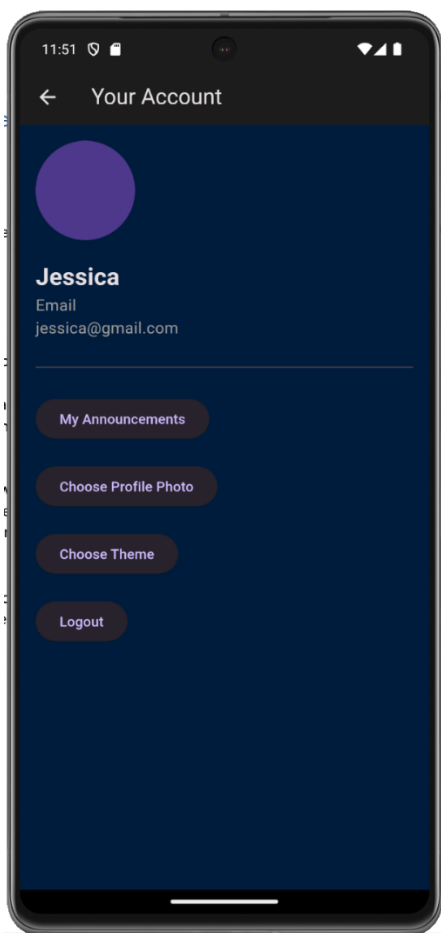
Calendar for plane a  
Appointment and also see  
them







Chat with all  
registred person in  
the app



Profile Page