

Exp 3b Integration of Cloud Services - Firebase services – Own app 22/7/24

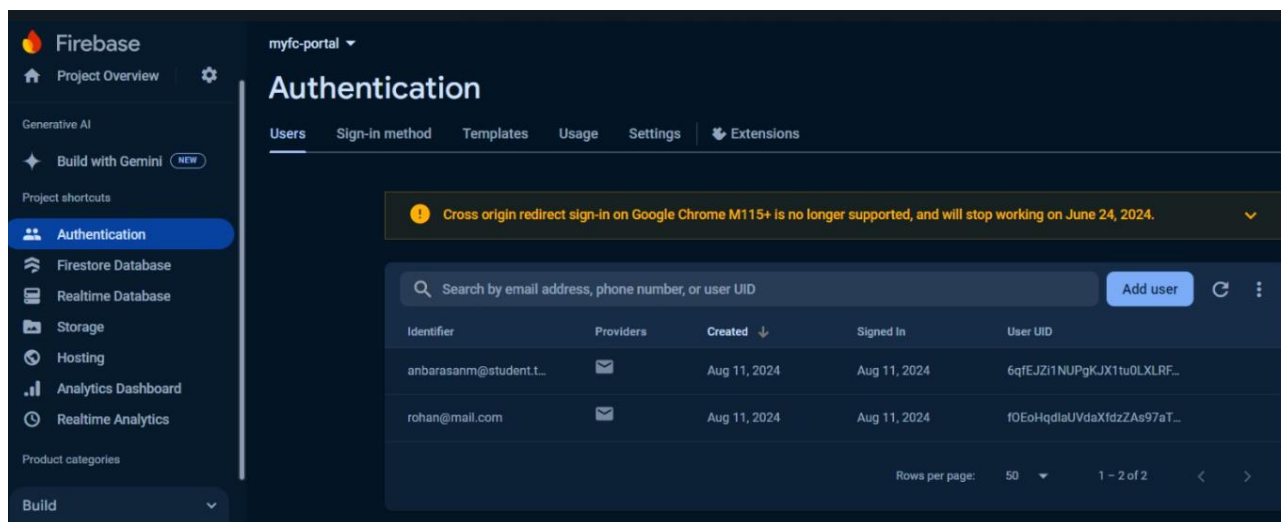
Aim:

To integrate Firebase services into football club portal application for enhanced backend capabilities including, authentication, firestore database and hosting.

Procedure:

Get into the firebase console and create a project for football club portal application, add firebase to your web app and integrate each features to it.

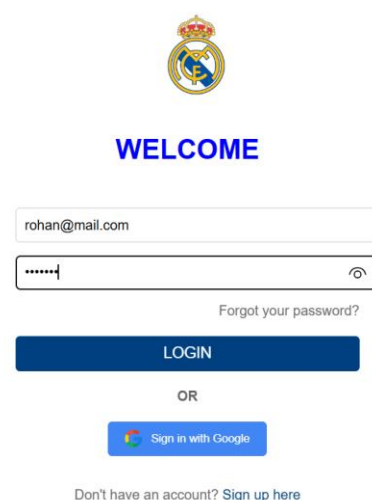
1.Authentication:



The screenshot shows the Firebase Authentication console for a project named 'myfc-portal'. The left sidebar lists various services, with 'Authentication' selected. The main area displays a table of users with the following columns: Identifier, Providers, Created, Signed In, and User UID. Two users are listed:

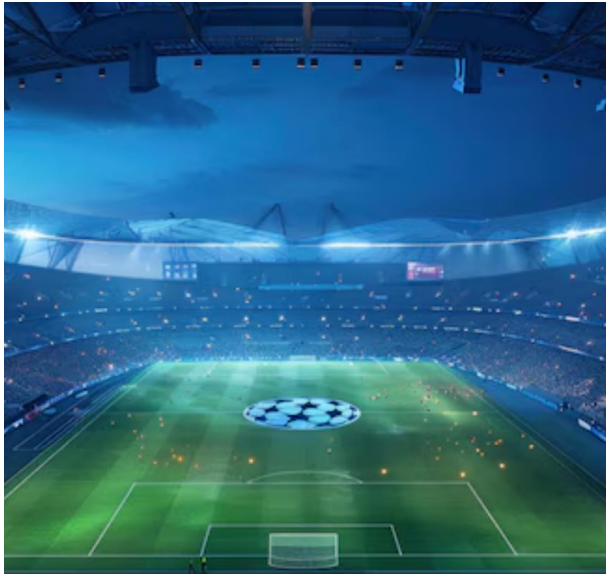
Identifier	Providers	Created	Signed In	User UID
anbarasanm@student.t...	📧	Aug 11, 2024	Aug 11, 2024	6qfEJZi1NUPgKJX1tu0LXLRf...
rohan@mail.com	📧	Aug 11, 2024	Aug 11, 2024	10EoHqdliaUVdaXfdzZAs97aT...

At the bottom of the table, it indicates 'Rows per page: 50' and '1 - 2 of 2'.

The login page features the Real Madrid crest at the top, followed by the word 'WELCOME' in blue. Below this is a login form with two input fields: one for the email address (containing 'rohan@mail.com') and one for the password (masked with dots). A 'Forgot your password?' link is positioned below the password field. A blue 'LOGIN' button is centered below the inputs. Below the button is the text 'OR' and a 'Sign in with Google' button. At the bottom, there is a link that says 'Don't have an account? Sign up here'.

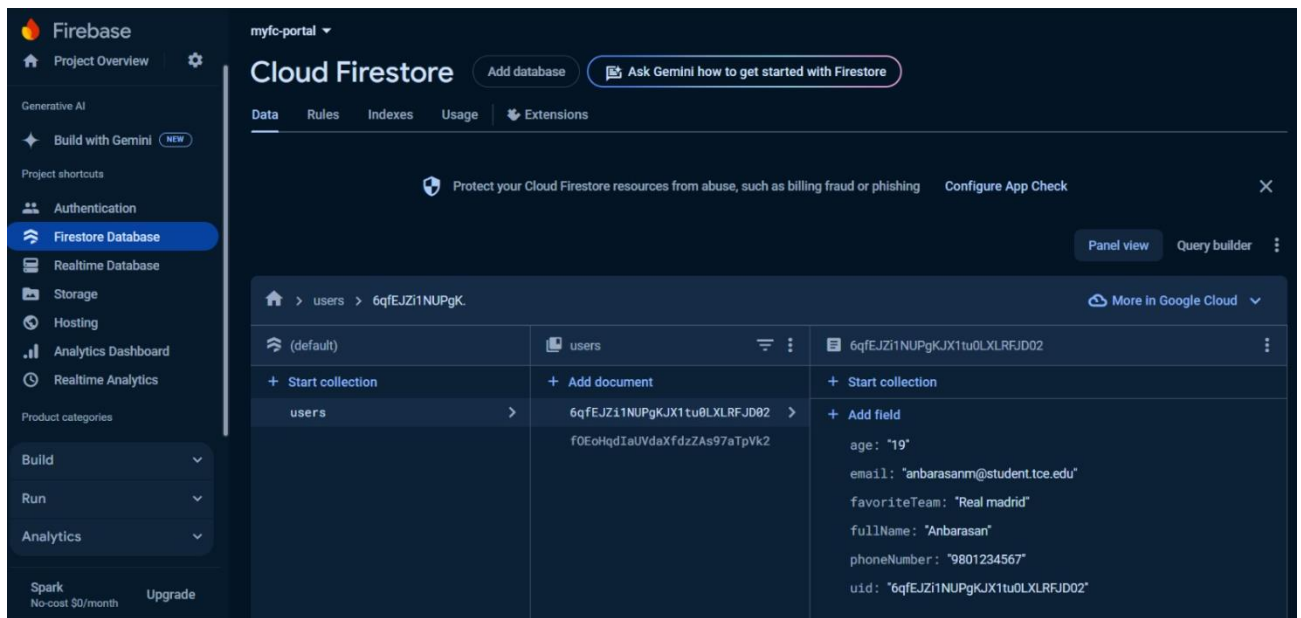
2. Firestore database



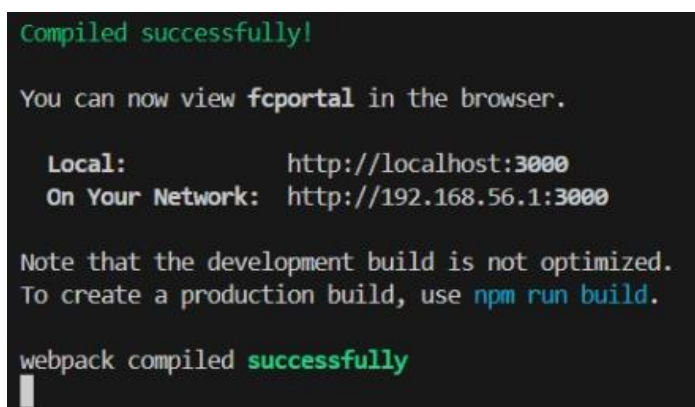
REGISTER

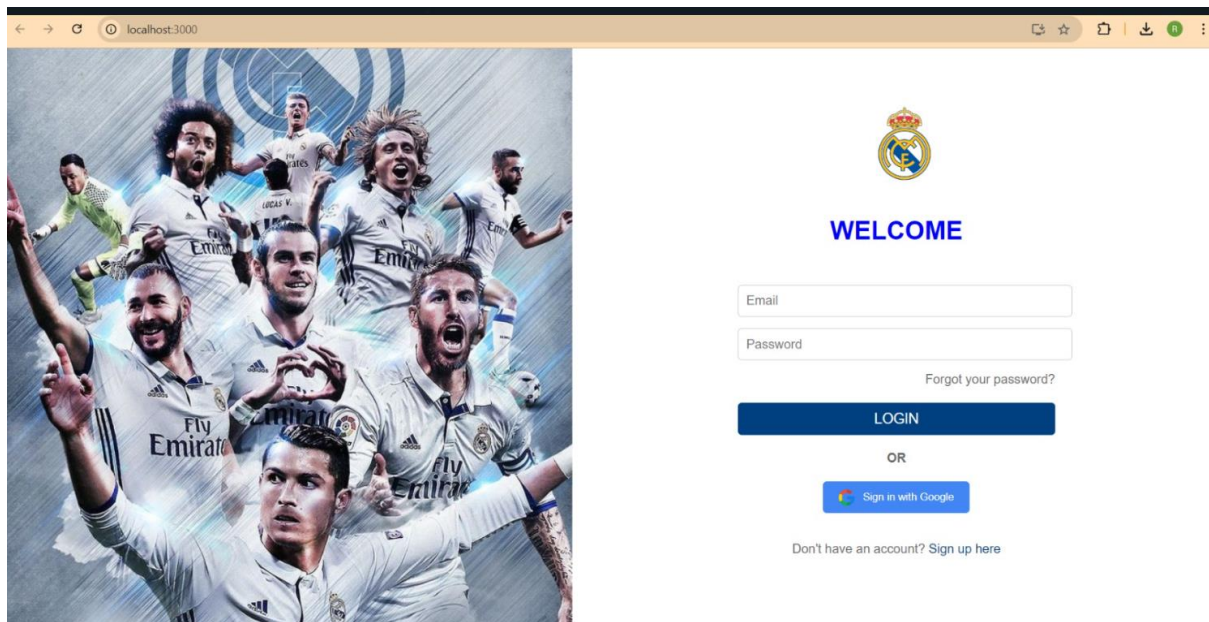
Anbarasan
anbarasanm@student.tce.edu

9801234567
Real madrid
19
REGISTER

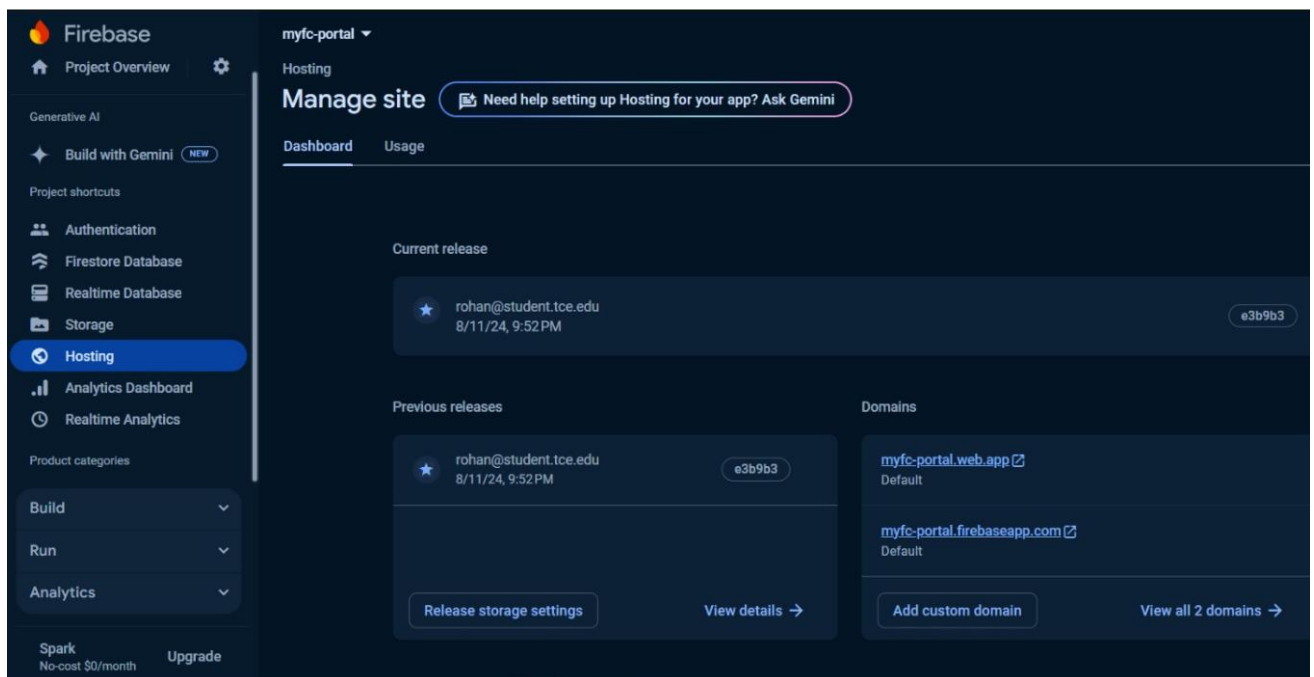


Run the application in the host machine : **npm start**





3.Hosting




```

PS D:\fcportal> firebase deploy

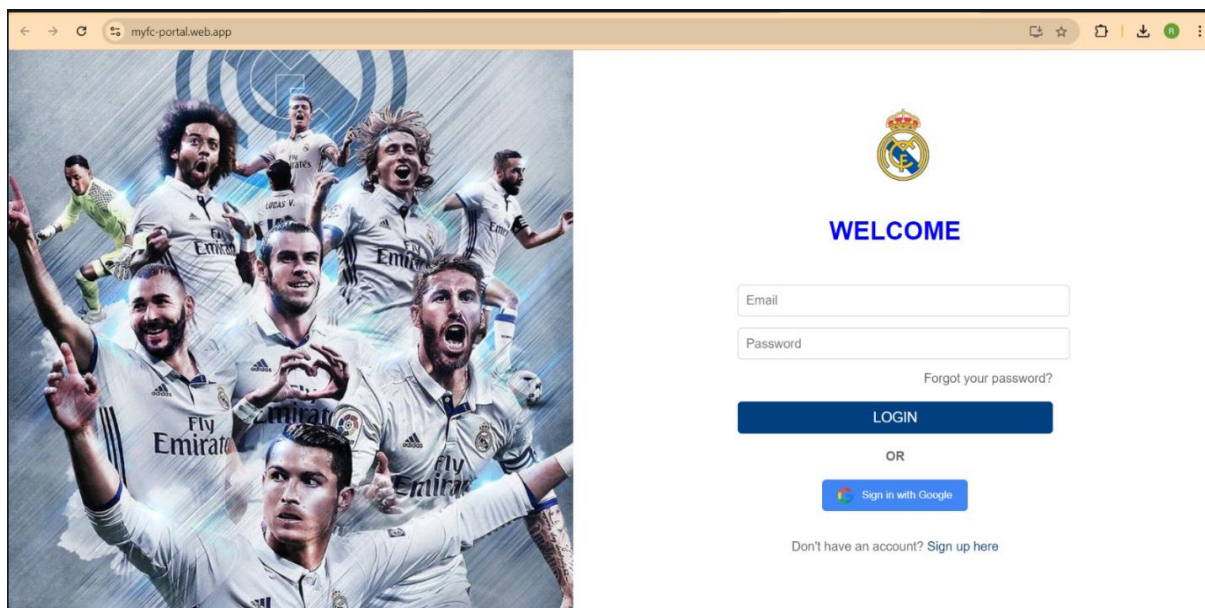
=== Deploying to 'myfc-portal'...

i deploying database, storage, firestore, hosting
i database: checking rules syntax...
+ database: rules syntax for database myfc-portal-default-rtdb is valid
i storage: ensuring required API firebasestorage.googleapis.com is enabled...
+ storage: required API firebasestorage.googleapis.com is enabled
i firebase.storage: checking storage.rules for compilation errors...
+ firebase.storage: rules file storage.rules compiled successfully
i firestore: reading indexes from firestore.indexes.json...
i cloud.firestore: checking firestore.rules for compilation errors...
+ cloud.firestore: rules file firestore.rules compiled successfully
? Cloud Storage for Firebase needs an IAM Role to use cross-service rules. Grant the new role? Yes
i storage: updated service account for cross-service rules...
i storage: uploading rules storage.rules...
i firestore: deploying indexes...
+ firestore: deployed indexes in firestore.indexes.json successfully for (default) database
i firestore: latest version of firestore.rules already up to date, skipping upload...
i hosting[myfc-portal]: beginning deploy...
i hosting[myfc-portal]: found 32 files in build
+ hosting[myfc-portal]: file upload complete
i database: releasing rules...
+ database: rules for database myfc-portal-default-rtdb released successfully
+ storage: released rules storage.rules to firebase.storage
+ firestore: released rules firestore.rules to cloud.firestore
i hosting[myfc-portal]: finalizing version...
+ hosting[myfc-portal]: version finalized
i hosting[myfc-portal]: releasing new version...
+ hosting[myfc-portal]: release complete

+ Deploy complete!

Project Console: https://console.firebase.google.com/project/myfc-portal/overview
Hosting URL: https://myfc-portal.web.app

```



Link for hosting : <https://myfc-portal.web.app/>

RESULT:

Thus, Firebase services Authentication, firestore database and hosting are configured for the football club portal application in Cloud Firebase console successfully.