# **Home Expense Calculator**

## Packages

*Flutter, Provider, Sqflite, Firebase*

Version control – *GitHub*

CI/CD – *GitHub actions, Fastlane*

## Login & Registration Flow

**FTU** - *First Time User*

**EU** – *Existing User*

**FTU**

Show registration page first with option to login

Detect phone number and pick one

Check phone number already exists in firebase, if not follow below

OTP verification to be done using firebase

Save user session locally and in firebase

Navigate to create/join home

**EU**

If just opening the app, check session and navigate to home

If from logout, follow below

Show login page first with option to register,

If clicked register, follow FTU registration flow

If (android) detect phone number and pick one

If (IOS) enter phone number

OTP verification to be done using firebase

Save user session locally and in firebase

Navigate to home screen

## Create/Join Home Flow

### Create Home Flow

Only one home can be created

#### Fields:

Home name, admin(pre filled as the person creating the home will be the admin) & participants (each should have unique phone number)

Upon completion,

Create unique random ID for the home (e.g.: home(4 digits)\_admin(4 digits)\_randomID)

Show the generated randomID, ask user to store or save this somewhere

Store the generated randomID locally

Option to send what’s app message automatically to all the participants with the randomID

Navigate to home

### Join Home Flow

Enter Home randomID

If (that home, has this person as participant/admin) show home details

Ask to confirm phonenumber and name

Accepted -> navigate to home