

Password Manager

Building the apk:

For immediate app testing and debugging, you can build a deploy apk. The apk is signed with debug key provided by SDK tools and allows debugging through **adb**.

Run (in project root directory):

gradlew assembleDebug

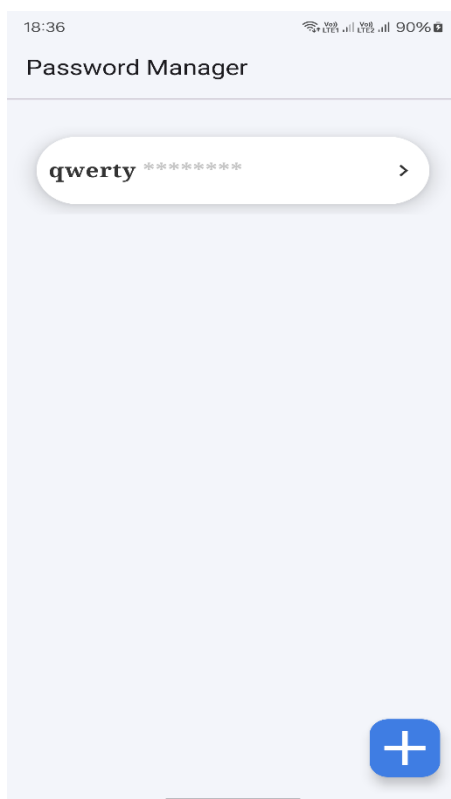
Note: The jar signed apk is present in ./root/app/debug/app-debug.apk in the git repository

Install the apk on your device or on your emulator.

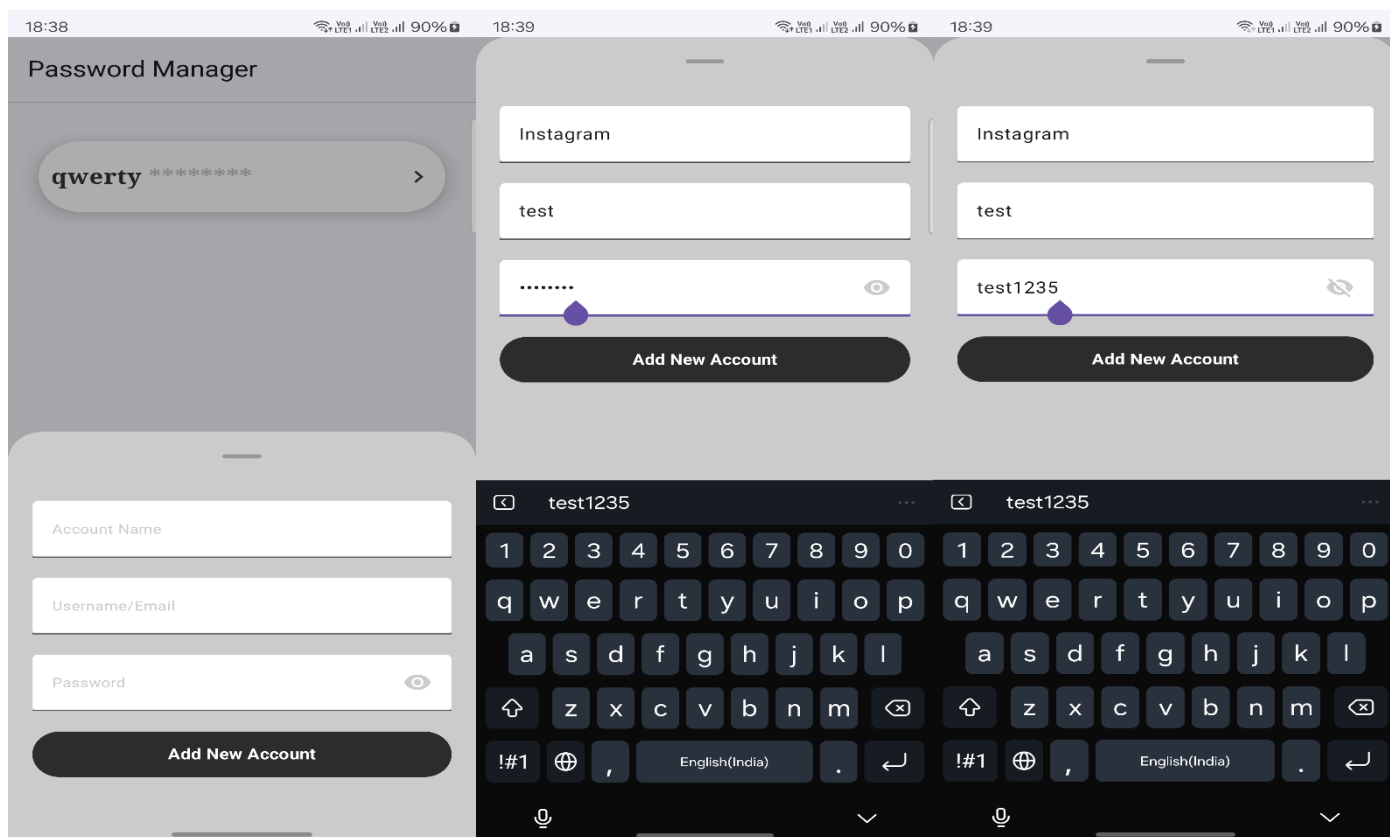
Using the application

The application has following features:

Add Password:

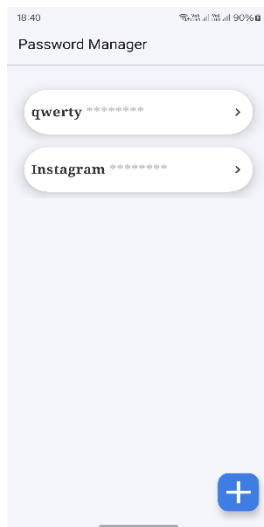


User can click on add icon in the bottom to add the account entry. After clicking on the Bottom Sheet containing the Add New Account Form will open, in which user can add details.

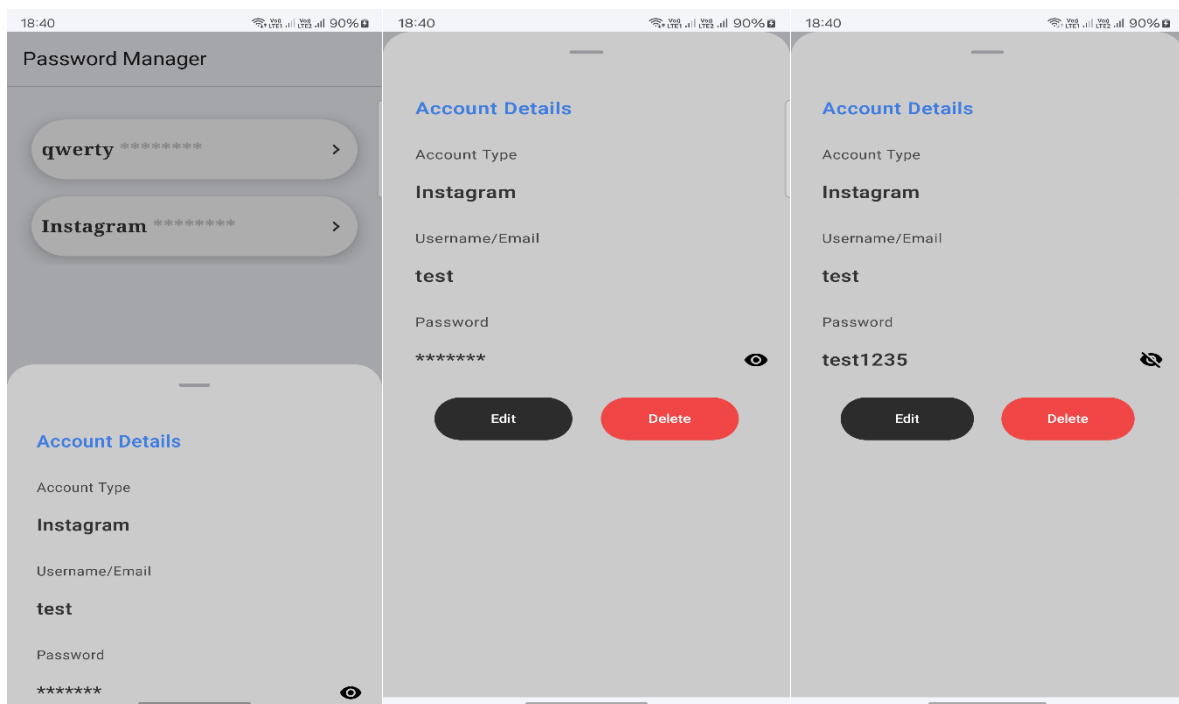


After adding the details, the details will be saved in the Local Room database. The account name and the username will be stored as plain text but the password will be stored in AES encryption. And for each encryption a new initialization vector is generated.

View/Edit Password:

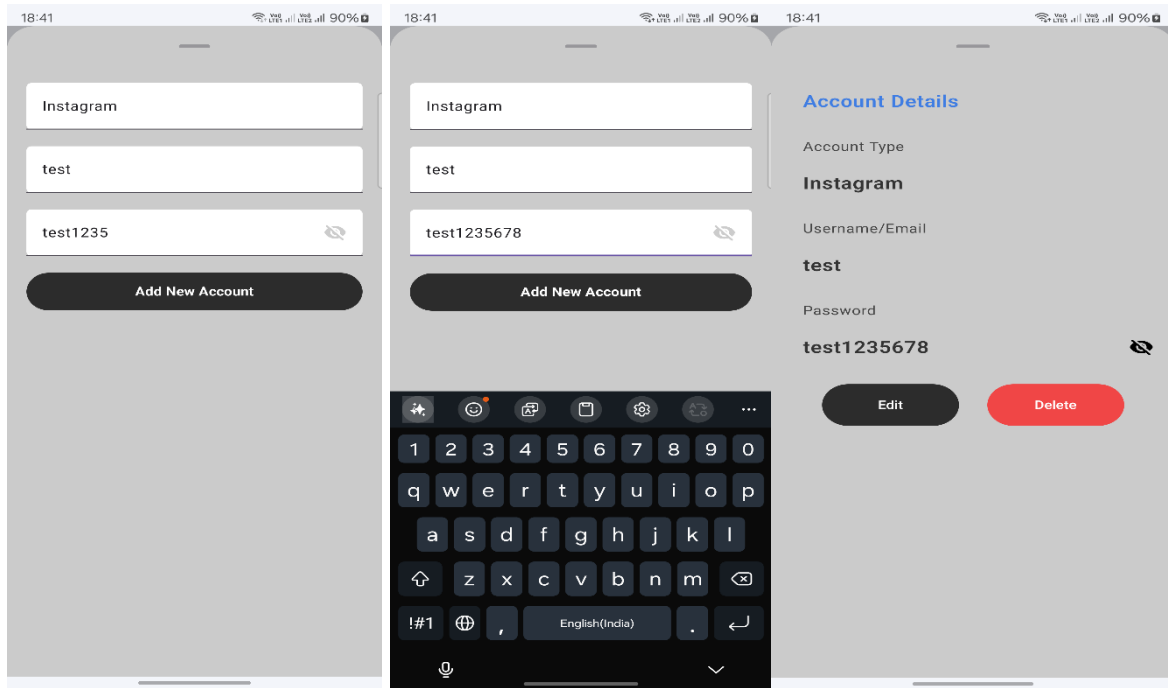


After clicking on the entry field, the user can view the stored details in a Bottom Modal Sheet.



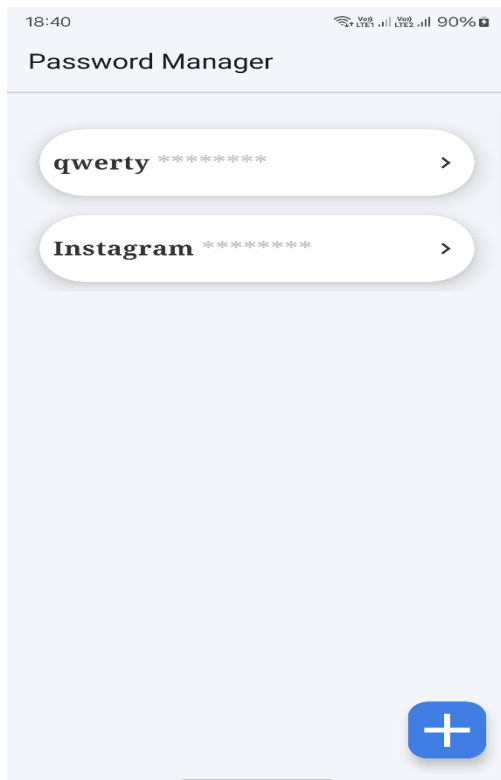
The password entry shown is decrypted on the UI.

By clicking on the edit button, the user can edit the data.



Show List of Passwords

All entries are visible on the home page of the screen.



Delete Password

After clicking on delete password the entry gets deleted from the database as well as from the UI.

