

Device binding.

To ensure that a user can only be logged with his phone, you can bind the device id of the user with his account.

The device id of an iPhone.

You can get the device id from the *UIDevice* from *UIKit*, example:

```
UIDevice.current.identifierForVendor?.uuidString
```

How to store the device id in the database.

As the device id of a phone is unique you don't want to fall in into the wrong hands, and if you save it in a database as you get it from the previous method if for any circumstance gets hacked, they would know that your user has that device id.

A simple way to fix this is to store the device id hash, so anyone with this information couldn't do anything.

How to validate a user.

After the user has entered his user and password then you can check if the device id hash of his phone matches the device id hash of his account and proceed to finally authenticate the user. If is the first time that the user uses that device, you can start an authentication process to verify the user and then attach the device id to the user.

Authentication flow with device binding

