When starting GUI:

Application starts and pulls current status of lock from Parse

RPI's job

~~Text fields:~~

~~Username text~~

~~save variable~~

~~Password text~~

~~save variable~~

~~Label(root, show ="\*", exportselection='0')~~

~~or~~

~~entryname.get() // returns a string with entry box text~~

Buttons when pressed:

Login

~~Save entry field text to variables~~

Create SHA256 value of password+salt+authentication key

Send both to Atmel hardware via TCP socket

Update parse with attempted login

Wait for authentication reply from Atmel

Update parse with pass/fail

Update GUI with pass/fail

Unlock/Lock

User is authenticated already

Send unlock/lock request to Atmel

Wait for confirmation

Update Parse

Status

Date/Time stamps