First start of the app

Note:
Also handle exception if user enters a wrong ip address

Register (Username, Password, IP adresse of server)

http post register with user data

Server creates User. Returns OK 200

Note:
Also save the login data

Login

http post login with user data

Server returns Ok 200 if the user was already validated by the server admin otherwise Bad Request 400

OK 200

Bad Request 404

Set home Location and Radius

What do do?

foreground service to check geo fence?

Start activity

Second start of the app

Auto Login based on saved data

http post login with user data

Server returns Ok 200 if the user was already validated by the server admin otherwise Bad Request 400

OK 200

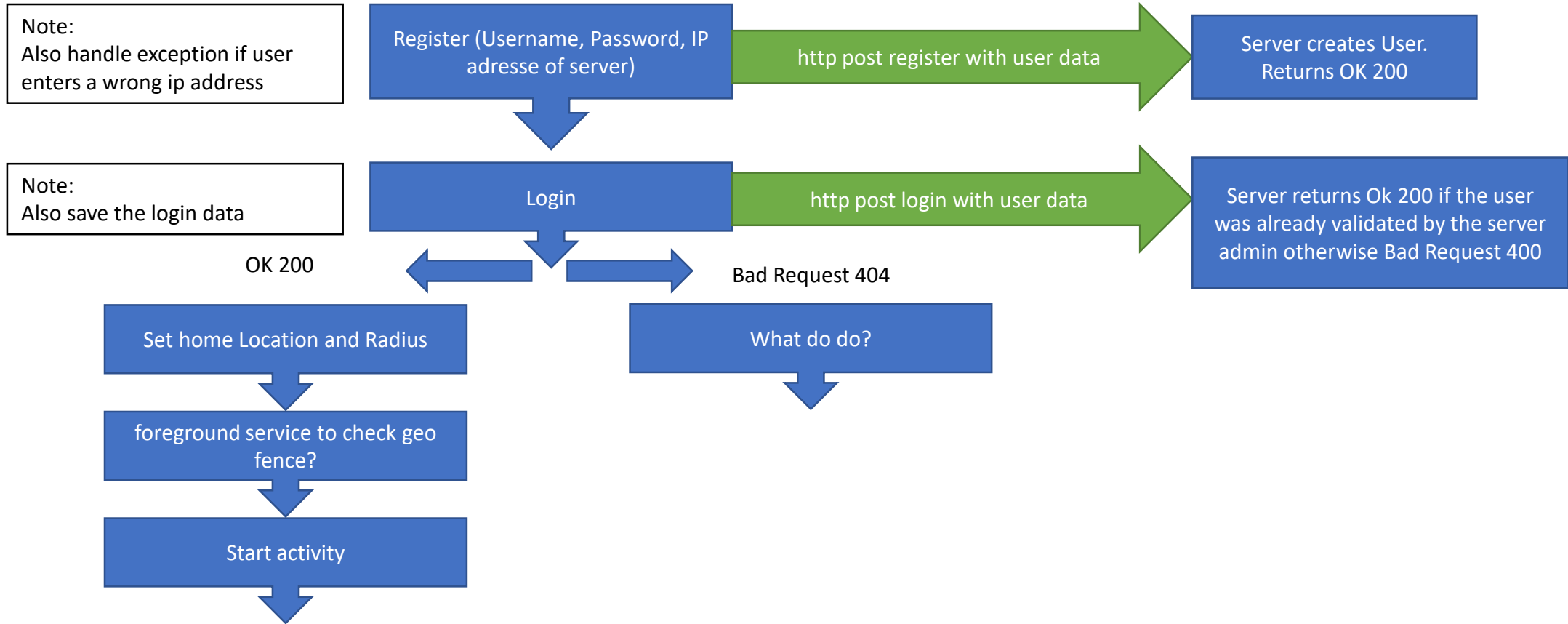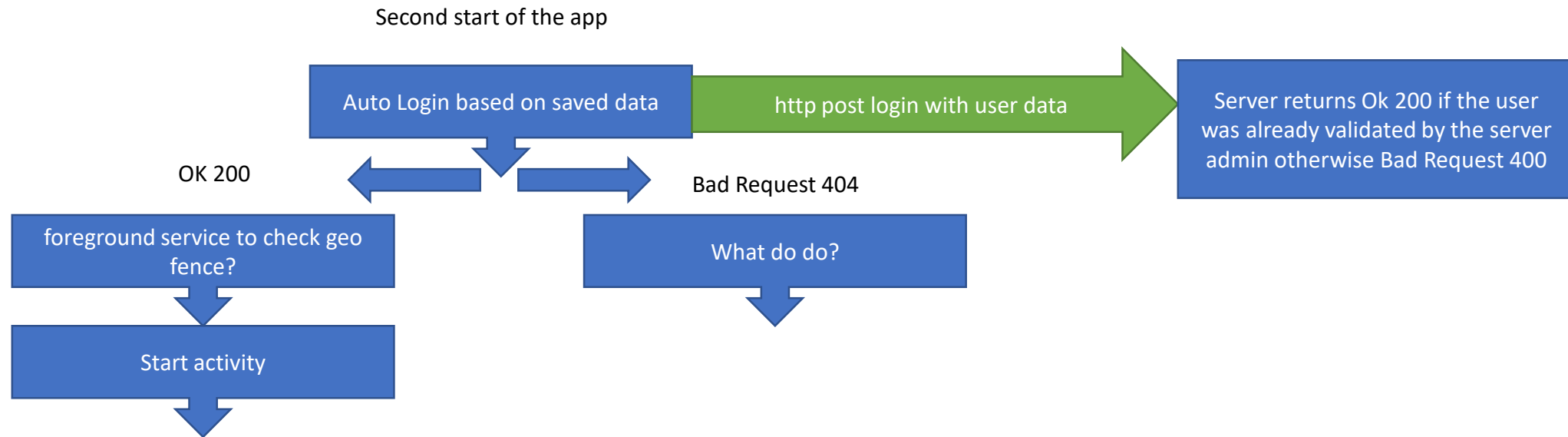Bad Request 404

foreground service to check geo fence?

What do do?

Start activity

General Description of the app i had until now:

Status Tab:
If the activity is open it will send every x seconds a http reqest (check door status) to see if the door is open or not.
Display of general gps values like current distance to home location, current speed, precision.
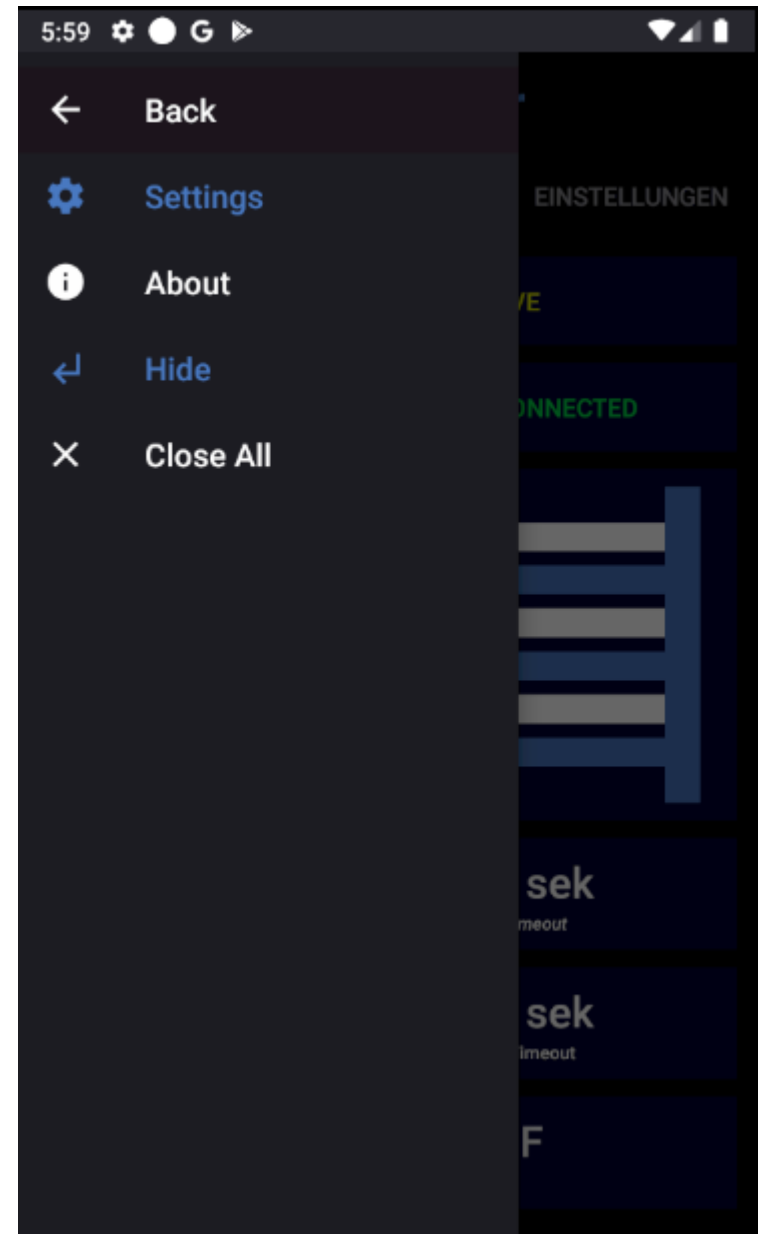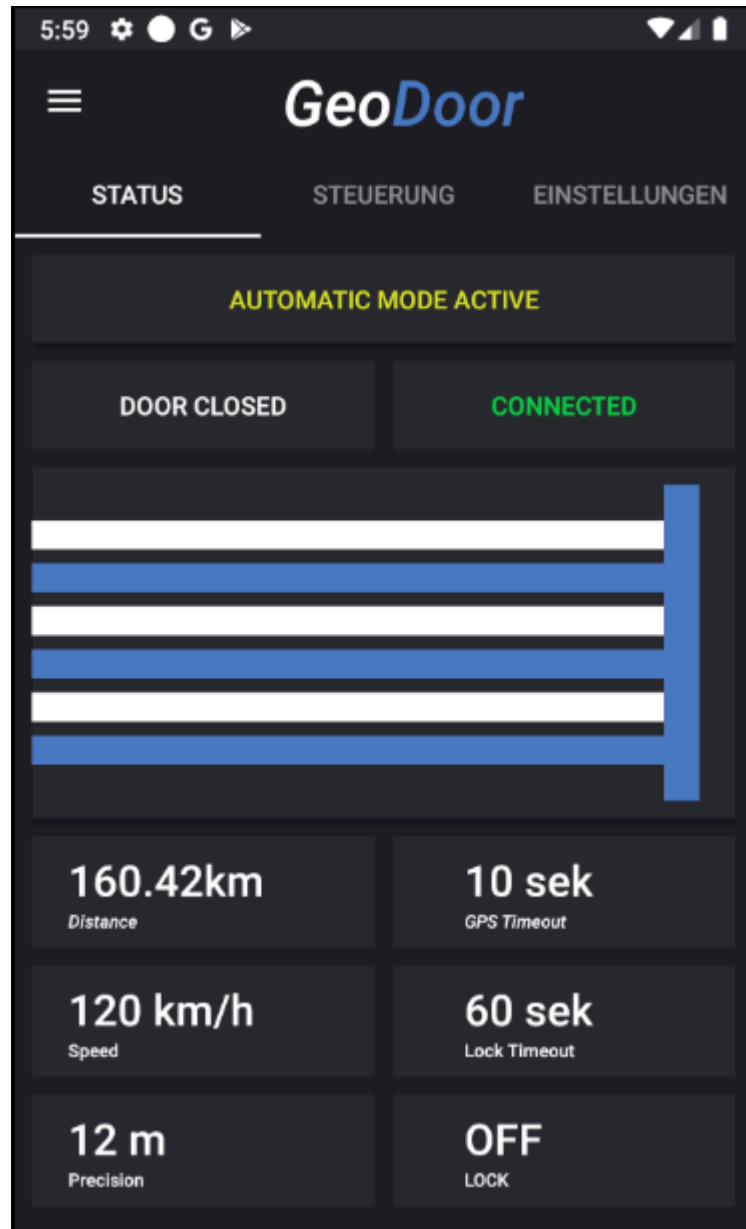Display if app is connected or not.
Current mode -> „Automatic Mode Active" means that it will send if distance < geo fence | „Automatic Off" don't send API Post to open the door
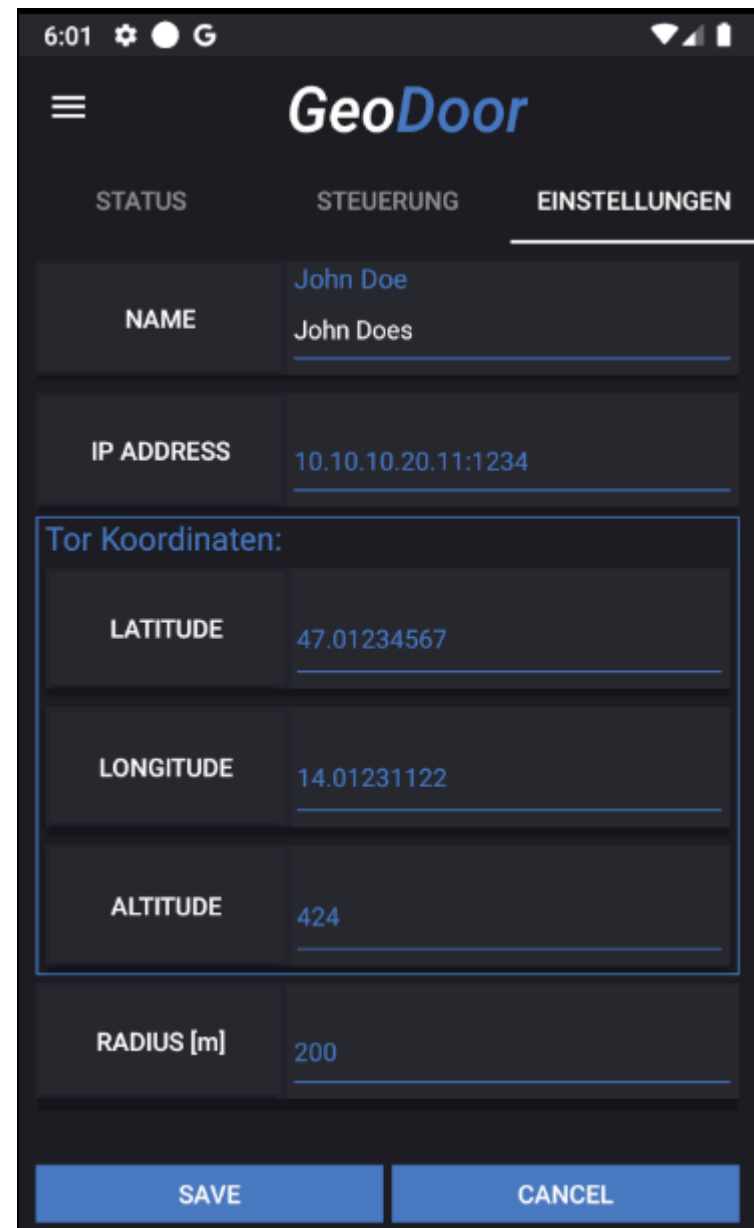
Control Tab:
Basic Buttons to send API Posts by hand -> i.e open gate or additional door by hand

Settings:
Display current settings an the possibility to change them.

Left screen:

5:59

GeoDoor

STATUS   STEUERUNG   EINSTELLUNGEN

AUTOMATIC MODE ACTIVE

DOOR CLOSED   CONNECTED

160.42km
Distance

10 sek
GPS Timeout

120 km/h
Speed

60 sek
Lock Timeout

12 m
Precision

OFF
LOCK

Right screen:

5:59

← Back

⚙ Settings

ⓘ About

↵ Hide

✕ Close All

EINSTELLUNGEN

Screen 1 (STEUERUNG)

6:01

GeoDoor

STATUS **STEUERUNG** EINSTELLUNGEN

OPEN DOOR AUTO	OPEN DOOR MAN
MAN MODE ACTIVE	OPEN DOOR
OPEN GEODOOR VISU	HOMEPAGE
LOG	SEND ERROR REPORT

Screen 2 (EINSTELLUNGEN)

6:01

GeoDoor

STATUS STEUERUNG **EINSTELLUNGEN**

NAME	John Doe
	John Does
IP ADDRESS	10.10.10.20.11:1234

Tor Koordinaten:

LATITUDE	47.01234567
LONGITUDE	14.01231122
ALTITUDE	424

RADIUS [m]	200

SAVE	CANCEL

GeoDoor ∧

GeoDoor GPS & Socket Service activated

Click to launch App

STOP SERVICE

BENACHR. SPERREN　　　ALLE LÖSCHEN

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