

step 1

↳ Constraints

• little to no Admin users } → up to 10 Admin users

↳ low amount for security,
but enough for wiggle room

• Mobile Accessable

• security is priority

• Cloud based

↳ Concerns

• time → lots of detail for small bit of time

• Internet → Wifi can be unreliable

• Ambiguity → we rely off ambiguity

↳ QA

Non-Functional
Security – Making sure our user's property & data is safe and protected behind our system.
Reliability – User's can rely in our systems to do their job and report when they fail
Scalability – System can accommodate different hardware and software to make a streamlined application.
Efficiency – Connection, Notification, etc. must be fast
Disaster Recovery – Attempt to recover or notify home-owner or police of an issue.

Design Purpose → Add system for login + Alerts
Add class diagrams

- Assumptions

↳ No Assumptions since we are building off
current + Adding common features

step 2

↳ ASP → Security

step 3

↳ User login

User Alerts

→ provide user security
through keeping data
w/ secure data base
+ Alerting if something

user

w/ secure database
+ Alerting if something
goes dry in sys.

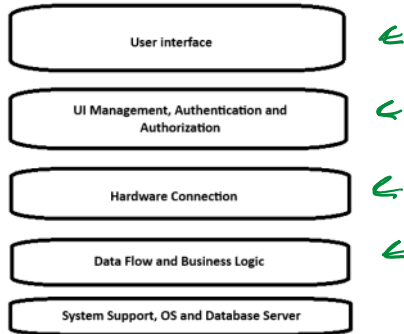
Satisfies driver

Step 4

implement user class diagram
implement system class diagram
sequence for login + Alert

Step 5

This would be part of our



• Responsibilities

↳ UI for login + Alert

↳ Business logic for creating + storing user login info

↳ Authorization for login

↳ Hardware connection for system status

Admin is a user

Step 6

hard cap of 10 Admins

Admin users

Permissions

Users

username

Pass word

login()

sys-status()

sys-change()

create-temp-user()
Access-temp-user()
edit-user-pams()
sys-Add()

temp-user is a user

temp user

Permissions

could be a camera,
door lock, etc

sys - ...

permissions

connects to / has many

has many...

security system

subsystems()

sub_status()

sub_change()

sub_addr()

subsystem

name

desc.

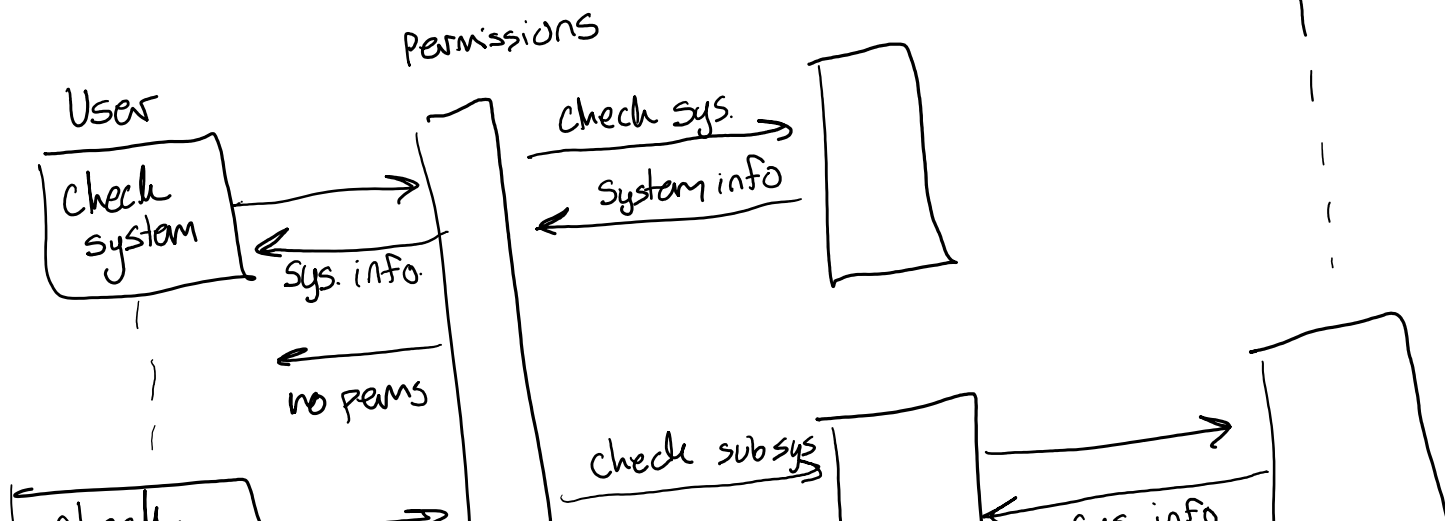
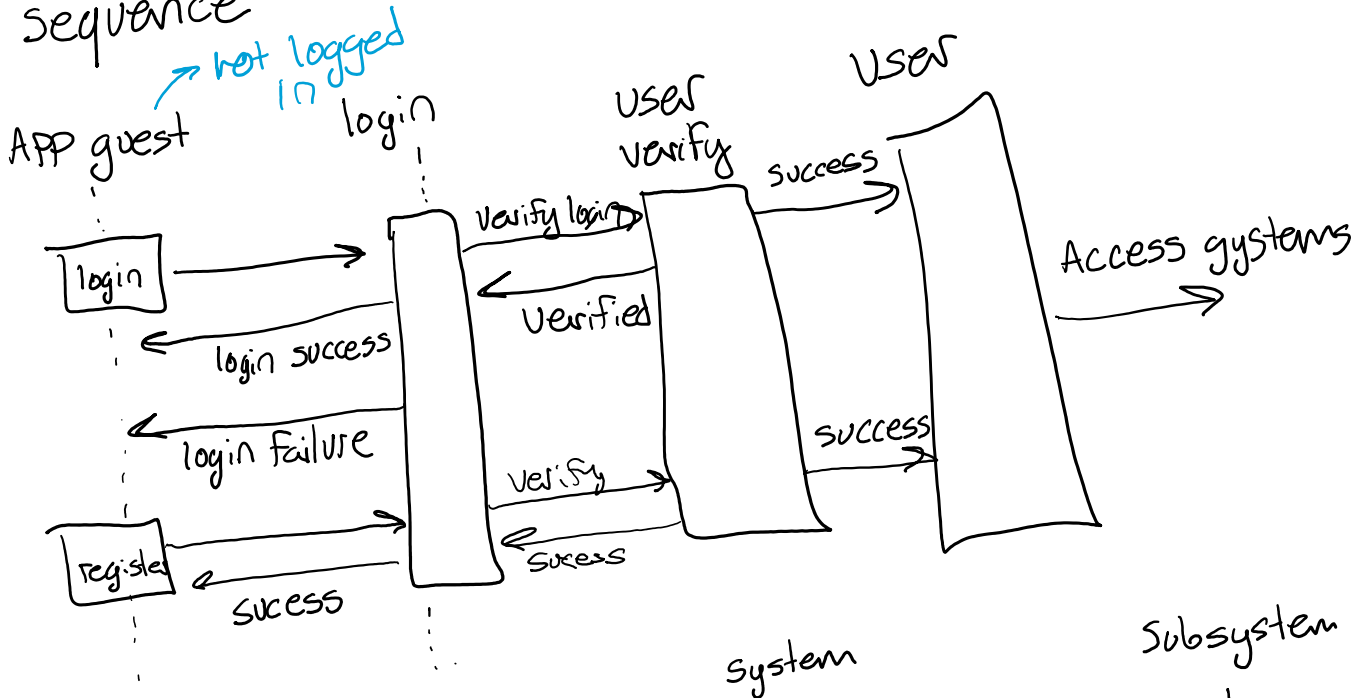
info

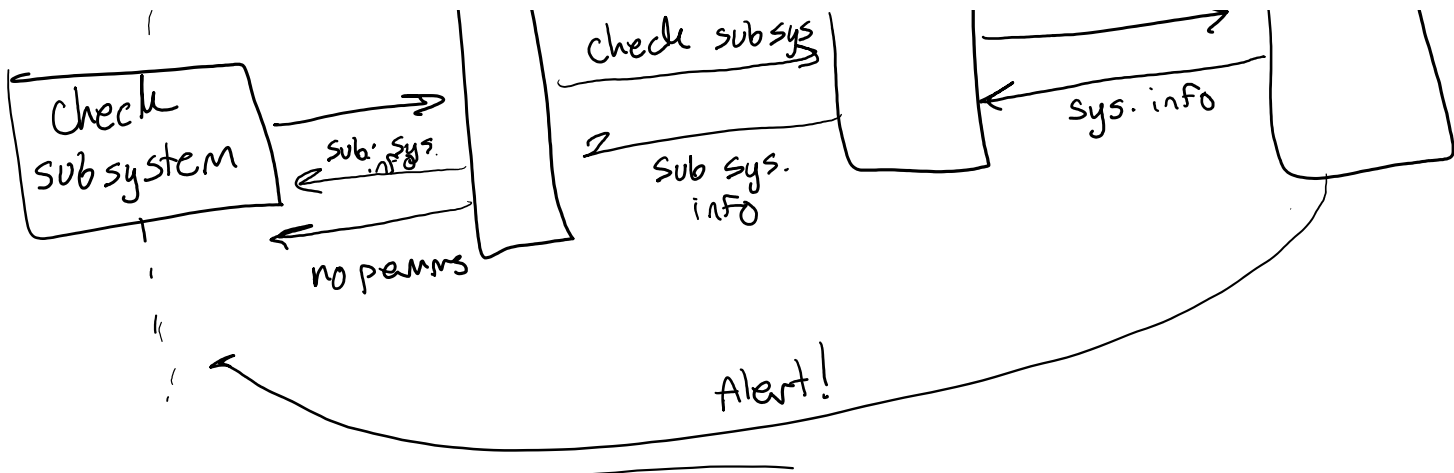
sys_Alert()

sys_detect()

could be a camera,
door lock, etc

sequence





Activity

System check → user door lock

