Iteration 2 - UC-1 & UC-7

Tuesday, November 5, 2024 9:20 AM

step 1

↳ Constraints

change

- 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

↳ ASR → Security

Step 3

↳ User login
User Alerts
→ provide user security through keeping data w/i secure Data base + Alerting if something

user ...

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

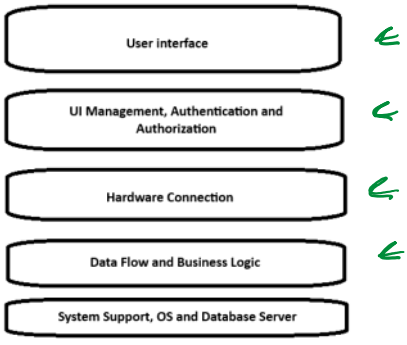
Satisfies driver

Step 4

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

Step 5

This would be apart 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

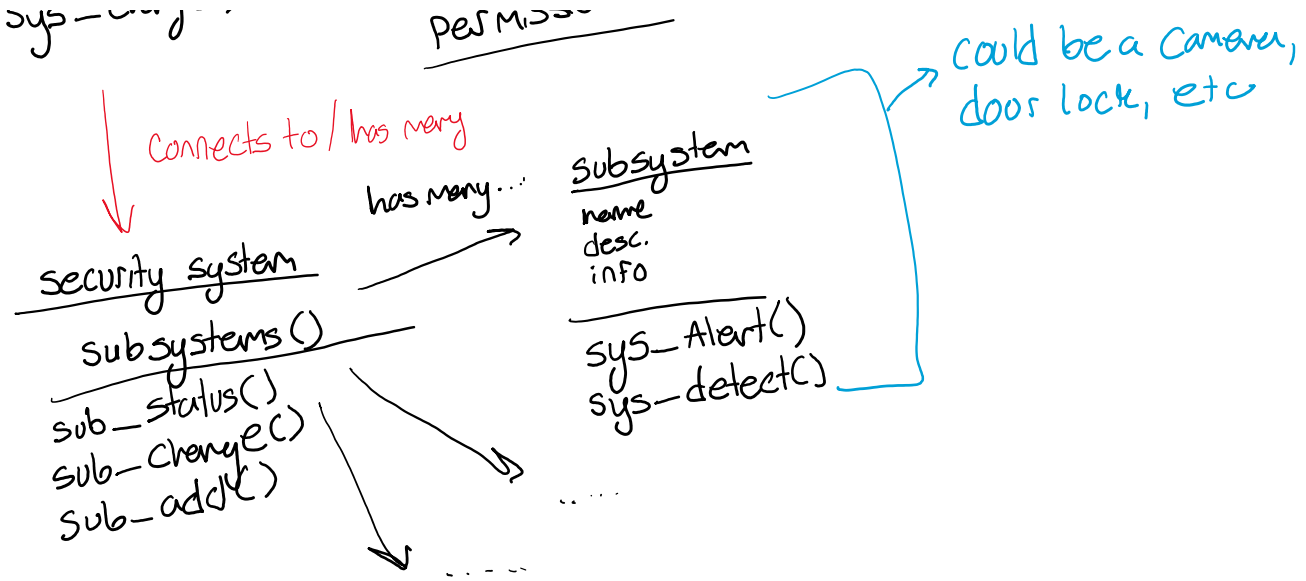
User
username
Password
login()
sys_status()
sys_change()

Admin user
Permissions
create_temp_User()
Access_temp_user()
edit_user_perms()
sys_Add()

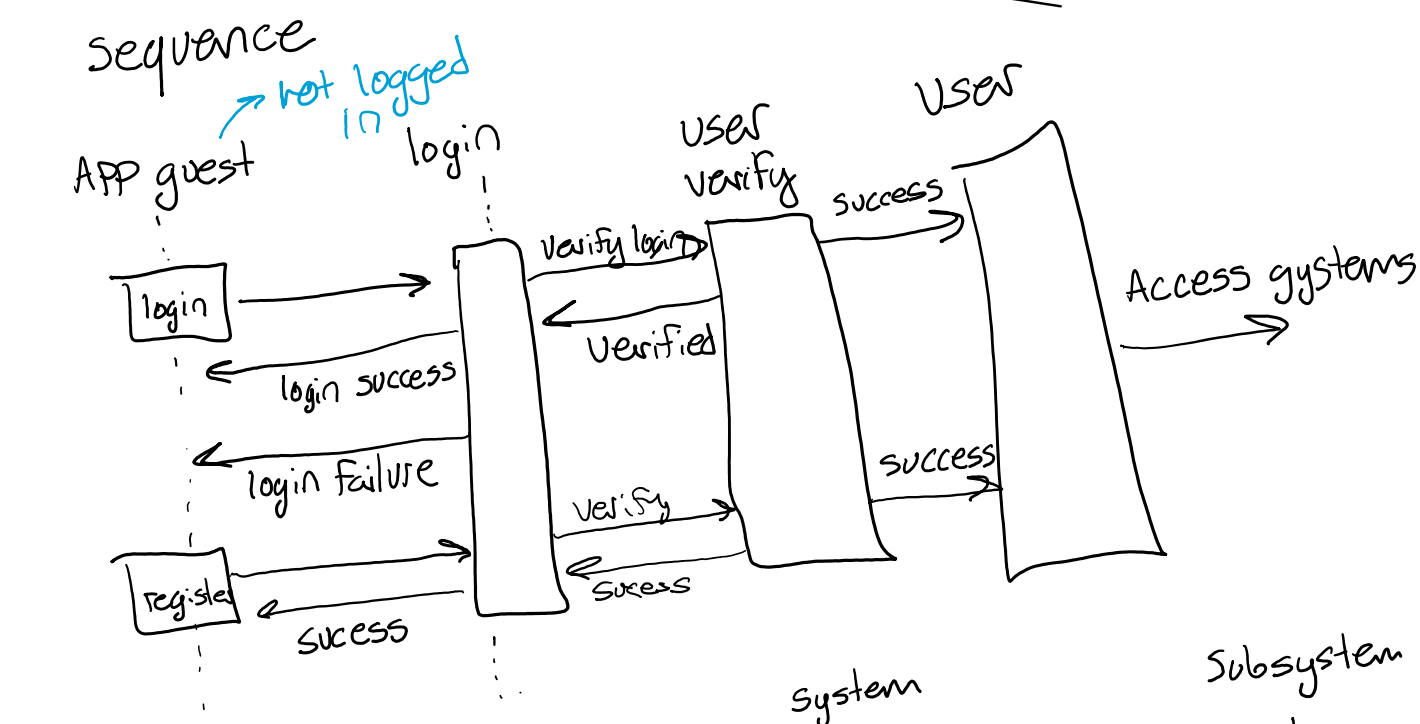
temp_user is a user

temp user
permissions

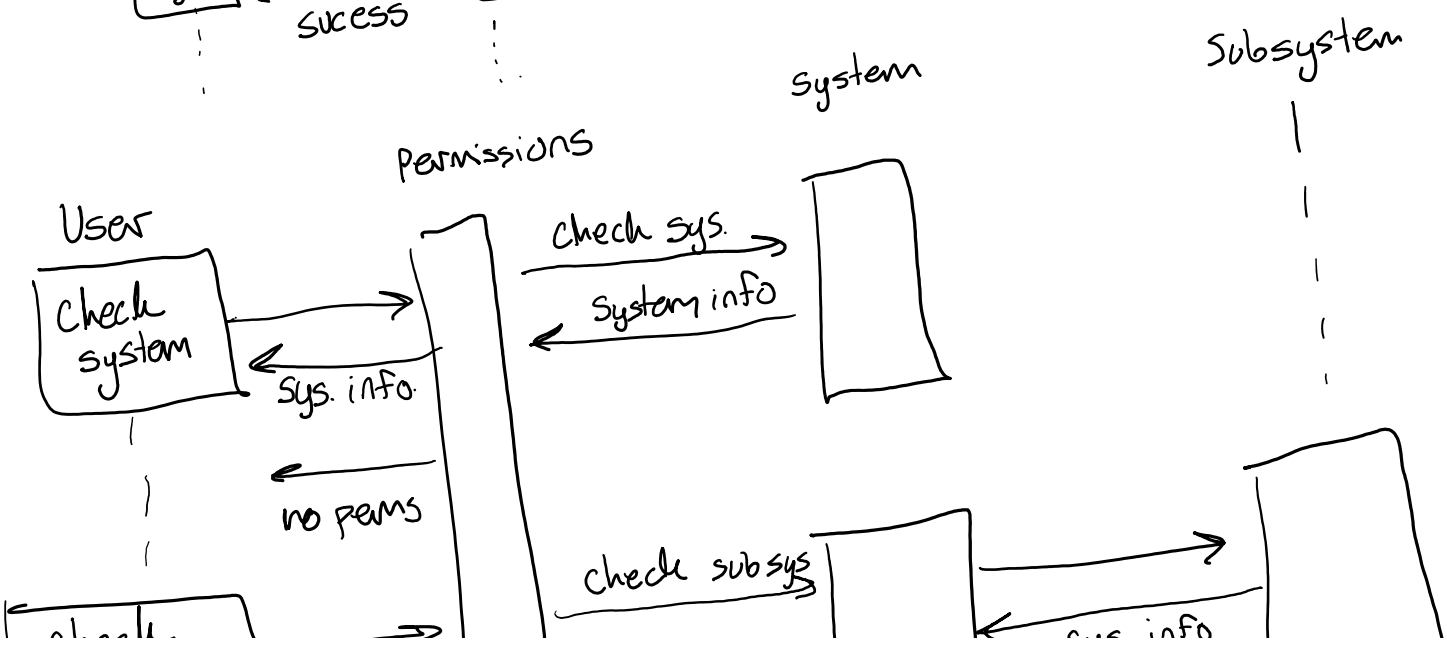
could be a camera,
door lock, etc



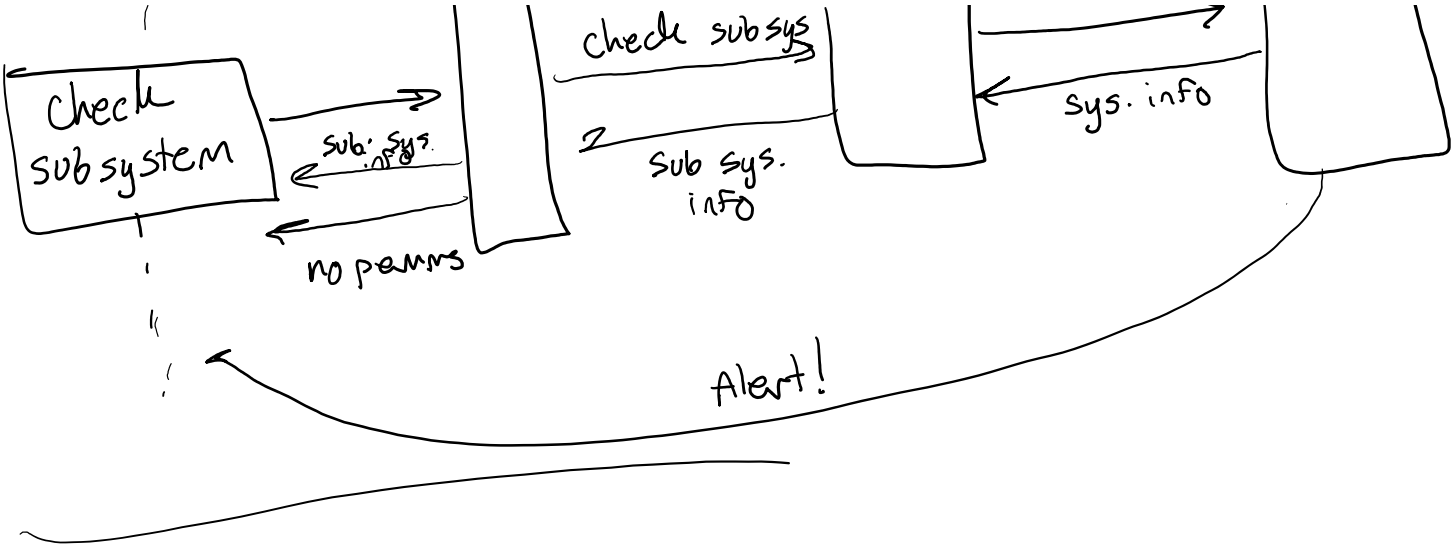
permiss
connects to / has many
has many...
security system
subsystems()
sub_status()
sub_change()
sub_add()
subsystem
name
desc.
info
sys_Alert()
sys_detect()
could be a camera, door lock, etc



sequence
not logged in
App guest
login
User verify
User
login
verify login
success
Access systems
verified
login success
login failure
success
verify
register
sucess
sucess

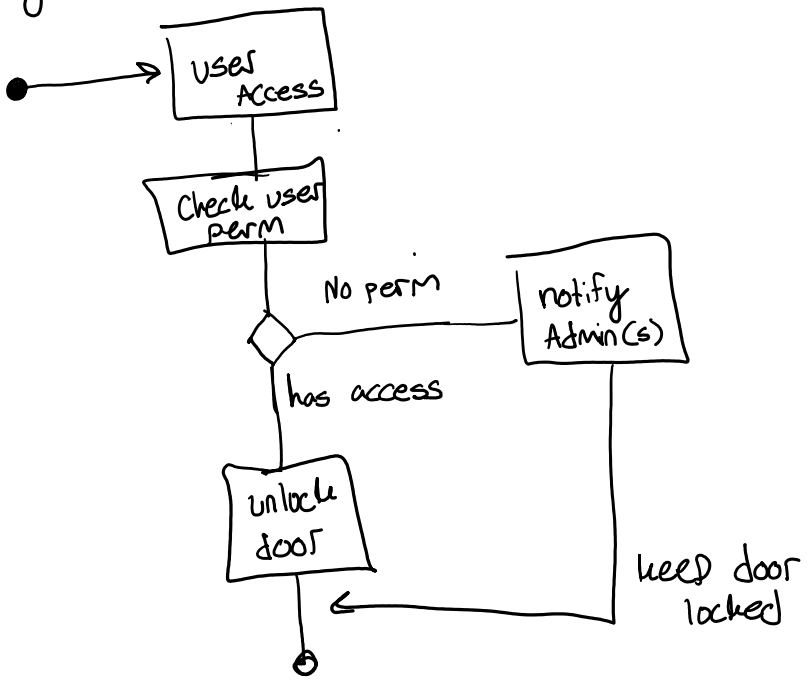


System
Subsystem
Permissions
User
check sys.
System info
Check system
sys. info.
no perms
check subsys



Activity

System check → user door lock



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