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

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

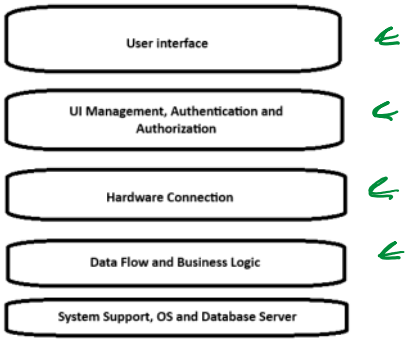
Satisfies driver

Step 4

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

Step 5

This would be apart of our

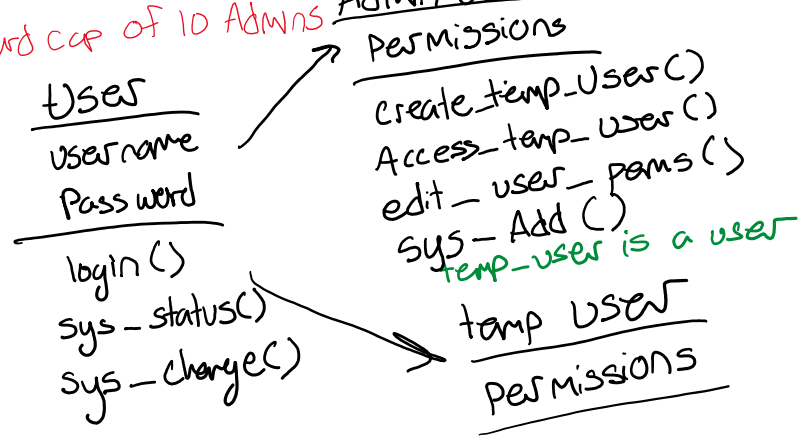


- Responsibilities
  - ↳ UI for login + Alert
  - ↳ Business logic for creating + storing user login info
  - ↳ Authorization for login
  - ↳ Hardware connection for system status

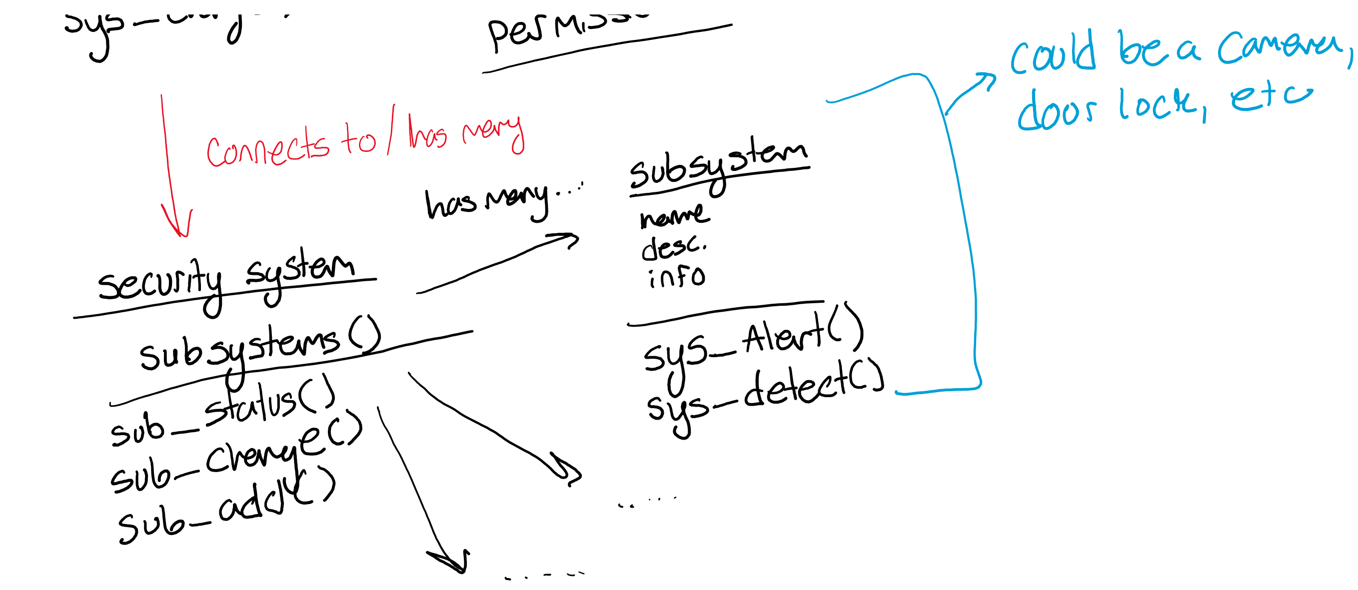
Admin is a user

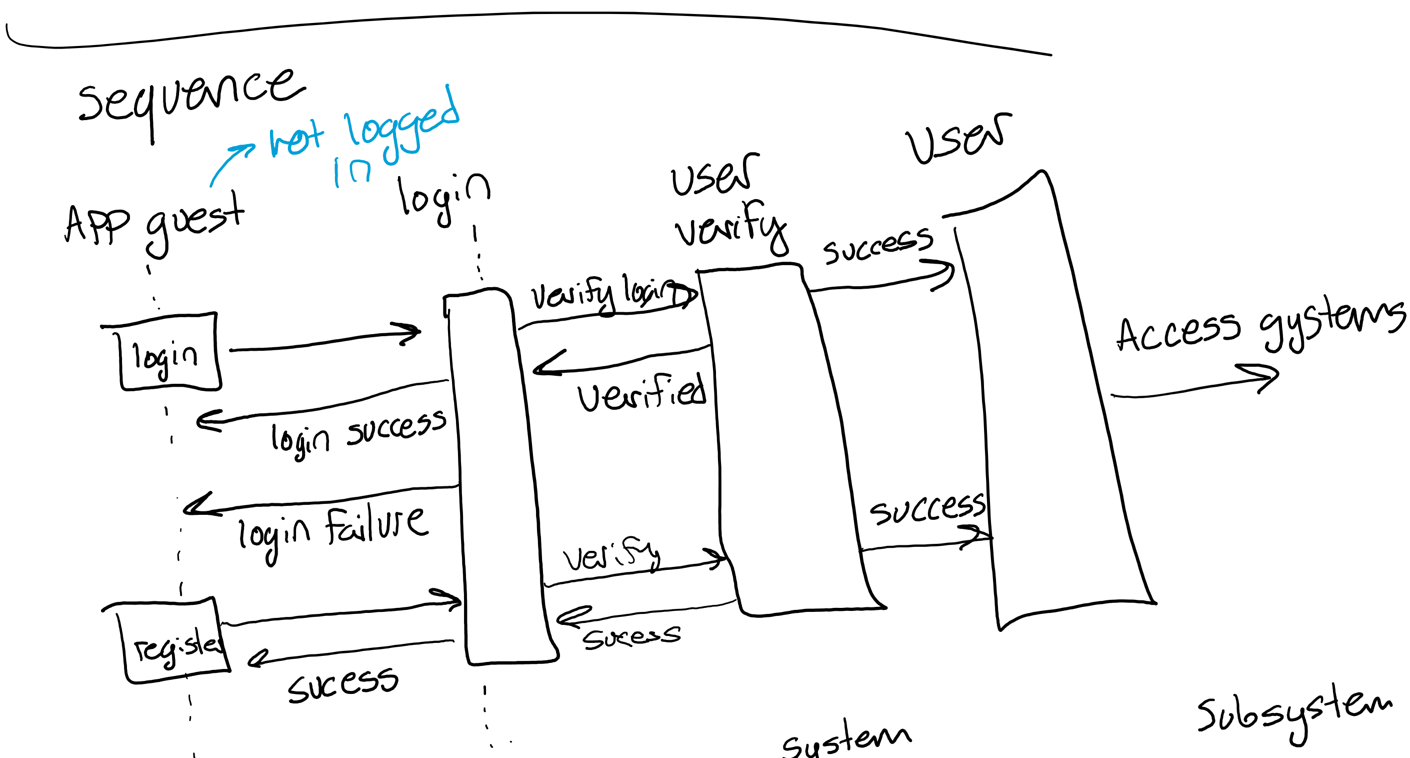
Step 6

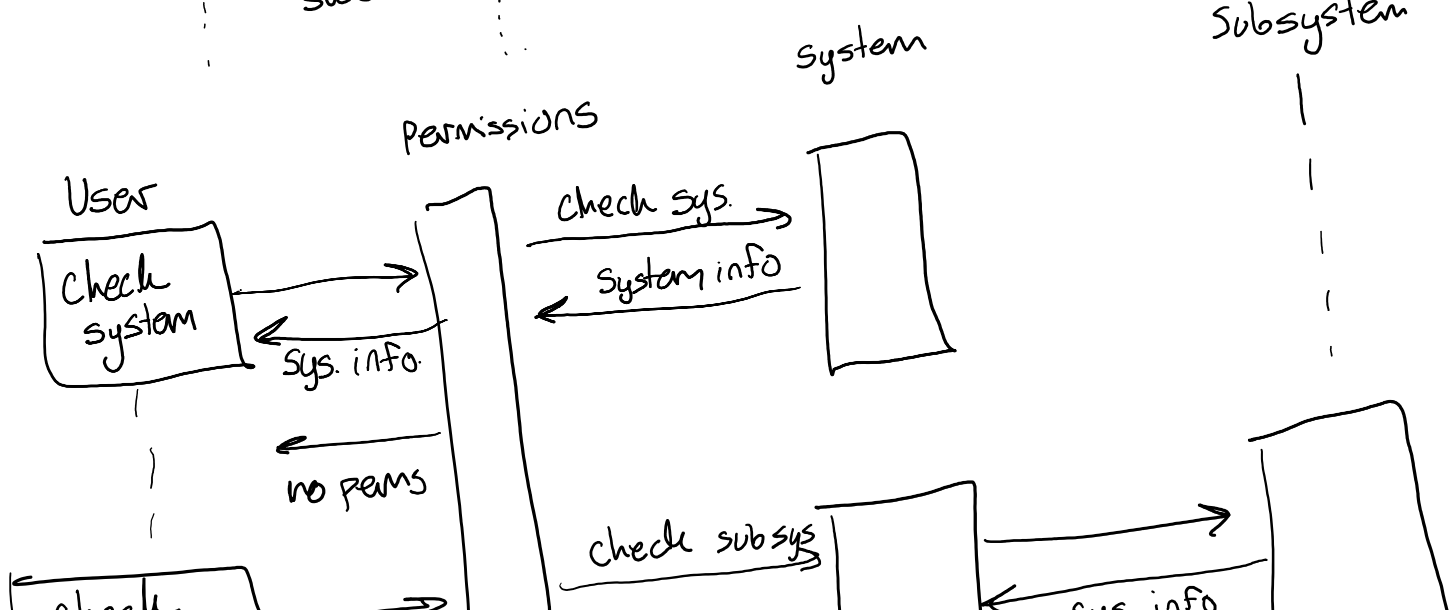
hard cap of 10 Admins

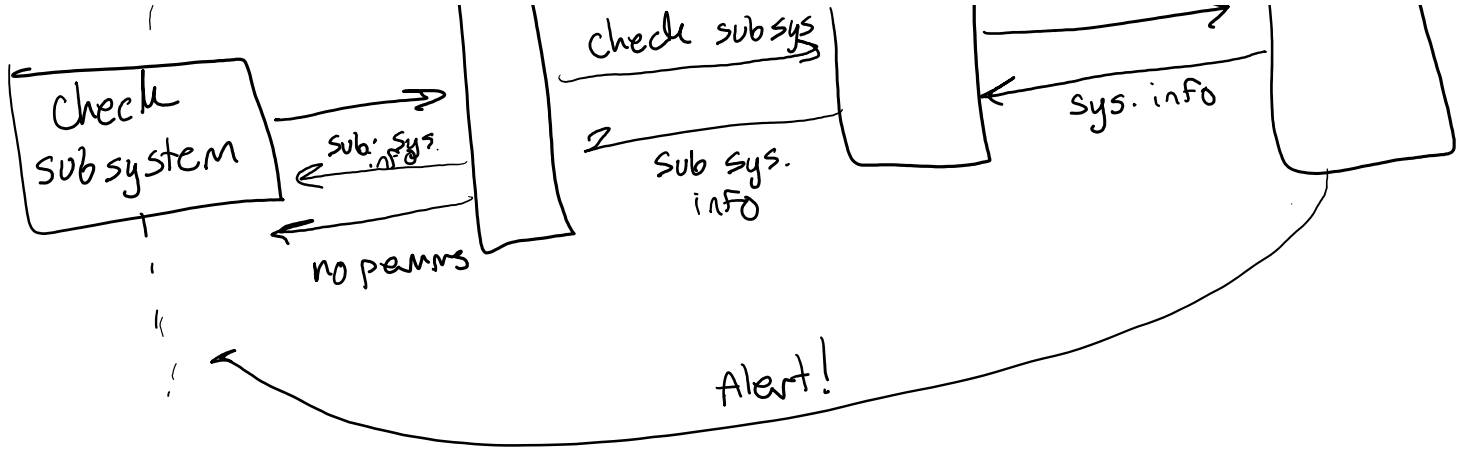


could be a camera, door lock, etc


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


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


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



Step 7

- specify more system actions
- define more activity diagrams