Meeting Notes September 03, 2021

Introductions

Team Name - Team Auriel

- Discord

Expectations:

- Early Communication

- Equal Participation

- Attend meets

- Questions - discord

Project App Name Ideas

**Auriel**

Repo access - clone

Schedules

- Running meeting

- Share calendar

Go over the req

* Key take away - most interesting feature
* Initial set if req
* Go over the Req
* Questions
  + Definition of step of a person
  + How do we alert the user - wrong route/obstacles
    - Voice is calling out instructions
    - Alert/Alarm - Vibrate close an obstacle.
  + How do we input familiarity to the system?
    - Do more research
  + Staircases - how do we identify them and alert the user?
    - Sensors in the building to alert the stairs - beacons
    - Identify a model of the building as the input to the user
  + Do we have any other parties/Stakeholders?
    - The administrator of the building
    - Maintenance/Security team
  + Distance in the term of time? How are we addressing this?
    - Steps of the user
  + Detecting a fall?
    - Signal/Sensor
    - A way to let the app know that they’ve fallen or are lost
* Questions for the Professor
  + What does configuration mean?
    - **Basic - Other than blind / caretaker: set up;**
    - **Settings include contacts / emergency / steps measurement**
    - A combination of building elements / caretaker may not know the details
    - Individual requirements for the user
  + Safe navigation? - What does this mean in terms of objective? Or how does the app ensure safety
    - **What if the phone fell down - how will the blind person find the phone?**
    - **Safety-related scenario**
    - **Draining the battery**
    - **Even if it doesn’t have a solution: time constraint - but address and mention**
    - Are we identifying objects in the path? Trash can/people
  + Code expectations
    - Phase I No code
    - A functioning prototype
    - Phase I realist implementation expectation
  + Ubiquitous? Everywhere? Does it mean the platform?
    - **Lookup**
    - **Talk to the customer: PDF**
    - **Point out what this means for the team.**
    - **The team decides the solution**
  + **How to calculate the step of the person? Step size? AI: walk 10 paces/ record size**
  + **Sensors in the building to guide?**
  + **Most comfortable way?** 
    - **Stairs/ Elevator - the app can ask the user the route choice**
  + **Buildings** 
    - **Connected buildings? How do we address this?**
  + **If we code more do we get more points? - Yes but the emphasis on requirements** 
    - **Do the documentation and modeling in the right way**
    - **Coding is bonus**
    - **Google indoor map API - Subways/Building**
  + Creeping rate - how to define?
    - **Estimate how much can be handled**
  + **Phase II**
    - **Tool/Tech new**
    - **Additional requirement and impact analysis**
    - **How you will handle the addition**
    - **Doc Models**
  + **Gitlab**
    - **Credential access**

Takeaways/Research

* Input of Familiarity
* Dev env / tools for development: MS/Flutter
* Access repo and clone
* Sensors that we can use
* A11y
* Parties who will use this application other than the ones on the doc
* Signal / Sensor to detect fall