Perception Armored

Team Members: Anthony, Calvin, Evan, Ro

Daily Scrum S3b

**Requirements ~**

* **What did you do today?**
  + Each member completed their user stories
    - Youth 15 – 18 (Ro)
      * “Shark Watcher
        + ‘I'm taking my family on a vacation and I want to find safe beaches for us to go to.’
      * Instagram Clone
        + ‘I want my kids to be able to enjoy social media, but I don't want big tech to have access to all of their data.’”
    - Professional 19 – 25 (Anthony)
      * “Craigslist Scraper
        + ‘Times are hare and I want to start my own online used electronics business so I want to find the best local deals on move out sales to make some quick cash on eBay, but I can’t afford to compete against all the scalpers using bots and clicking through all the local ads takes too much time!'
      * Crime Watcher
        + ‘My company just relocated my family and now I must move into an unfamiliar city. I’m not sure what sub-burb would be safest and need help without needing to join yet another Facebook group. I shouldn’t have to rely on Big Tech to feel safe!’”
    - Enterprise 26 – 60 (Calvin)
      * “Restaurant finder
        + Let’s say you are in a completely new city that you have never been to before. You just got to your hotel after a long day of traveling and you are starving. Using the restaurant finder application, you can find the restaurants that are closest to you, as well as receive information on what ethnicity the food is and the address of the restaurant.
      * Geological heatmap
        + You just got done hiking around in Yosemite all day, and you’d like to see how much ground you covered. Your friend, who is familiar with the area, asks you if you went on a specific trail, but you cannot remember. Using the geological heatmap application, you can see an interactive heatmap from your Google location history of where you’ve all been.”
    - Everyone (Evan)
      * “Netflix
        + ‘As a viewer, I want to have the option to access a wide variety of movies and tv shows whenever I want, so I don’t have to wait to watch what I want at a set time.’
      * Weather
        + ‘As a weather tracker, I want to have the option to check the weather whenever I want, so I can prepare in case it starts to snow and rain.’”
  + Discussed updates on FPGA programming
    - I found exactly what I was looking for, MATLAB!
      * Using the MATLAB I’m able to use Deep Learning Inferencing to instantiate an object of code. <https://youtu.be/-XppJgAZtA4>
      * Then I found that I can run MATLAB in Jupyter Notebook! That means we’re able to use the power of strong community built libraries on any application or tool we build! <https://www.mathworks.com/help/cloudcenter/ug/run-matlab-desktop-in-jupyter.html#:~:text=You%20can%20integrate%20MATLAB%20with,without%20leaving%20your%20web%20browser>.
        + What this shows is that the tools are available to make this all possible and completely doable with a little bit more time. How much longer is really anyone’s guess. We’re racing against the clock because none of us are sure how long it will take to stand up the proof of concept.
* **What is plan for tomorrow?**
  + Share updates with team members on RAM Disk and Docker
    - I have a guide I’m working through on how to put Docker on a RAM Disk
  + Learn how to VM Ware on Blade server
    - I’ve been looking forward to seeing this!! I’m hoping this will allow us to focus on putting all the evidence pieces together and break into front-end and back-end dev teams as we originally planned in the Sprint 3 Planning meeting. We are behind, but not by much.
  + Help get all team members on the same page with git, GitHub and the workflow up sharing code
    - We’ve lost SO MUCH TIME ON THIS!!!!!!!!!!!!! This has become a major blocker for the team and this bug needs to be squashed asap. Tomorrow will be the last day issues of knowledge deficiencies with git and GitHub familiarity slows us down. We’ve had too many setbacks with these types of issues.
* **What are the blockers?**
  + Proof of Concept
  + Lack of knowledge with blade servers (We trust you got us on this one, though)
  + Git and GitHub fundamentals
  + Uncertainty with FPGA implementations
    - I have successfully found all the working pieces of the puzzle for this project, but if they’ll all work together and/or should work together is completely hypothetical at this point. Trying to play CEO/SCRUM Master/Lead Engineer is nuts…