Perception Armored

Team Members: Anthony, Calvin, Evan, Ro

Daily Scrum S1a - 9:30am 3/31/22

**Requirements ~**

* **Accomplished tasks for today:**
  + Established new SCRUM Master for next week
    - Out of the 3 team members whoever had Anaconda installed and researched the most multiple Jupyter Notebook examples became next weeks SCRUM master. Calvin is next week’s SCRUM master.
    - After getting everyone’s feet wet through this exercise, I showed them the 8 working data science programs we will be picking from to use in our project. You can find the folders on our GitHub repo here:
      * <https://github.com/perceptionarmored/fbigtech/tree/main/homework/sprint1>
    - I had them all pull this repo down on their local machines. Now that we have SCRUM master for next week, we will not be using the web. To find the working programs they been instructed to search through these folders Activities “Solved” for complete working Data Science programs. Here’s a link for an example. This is a Jupyter Notebook, (“.ipynb”) extension.
      * <https://github.com/perceptionarmored/fbigtech/tree/main/homework/sprint1/06-Python-APIs/1/Activities/02-Stu_SpaceX/Solved>
  + Helped team install Anaconda and establish working directory for Jupyter Notebook, (“JN”)
    - There was some confusion on my part in the instructions how exactly how to walk through the process of installation since it’s been over 6 months since I’ve installed Anaconda and using the Navigator GUI. I helped the team by sharing my screen and getting their working directory functionals for offline use of JN.
  + Established overarching goals for vision and direction of company:
    - A white board with drawings on it

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      * Sprint 1 (We are here)
        + Installing Anaconda and familiarizing Jupyter Notebook
        + Choosing 8 Data Science apps that go into the product
        + Super rough “balsamic” draft
      * Sprint 2
        + Building the website and supporting subscription pages
        + Making an application suite to host our 8 chosen apps
        + Making verification security app (the R box)
      * Sprint 3
        + RPi as Linux server talk to (online) website server and host suite of apps
        + FPGA board on standby with RAMDisk waiting for app and user data
        + RPi handle user requests to use app
        + RPi grants access, user send data to RPi, RPi sends data and app to FPGA
        + FPGA churns app with user data then spits out result back to RPi to send back to user, soft reboots when complete to wipe RAMDisk
      * Sprint 4
        + 4x FPGA board in stack (if doable)
        + 4x RPi’s in stack
        + Make into phone apps and trial real time
      * Sprint 5
        + Buffer zone for delay’s
        + Press releases
        + Final presentation practice
        + Nail down elevator speech
        + Networking events with showcasing product
* **Plan for tomorrow:**
  + 8 Data Science applications from chosen repo mentioned previously
    - We will be solidifying our choices on which apps we chose
    - Making sure no overlapping choices were made
    - Also, that they have to do with the bettering the customer in terms of overall health, wealth and happiness
    - That they are also considered for 3 separate targeted groups
      * 15 – 18
      * 19 – 25
      * 26 – 60
  + Solidify what expectations are for next sprint
    - Set up next SCRUM master up for success
    - Show SM the repo lay out and where templates are stored for HW
    - Expectations from the rest of members for regarding collaboration from previous
  + Talk about implementing 1 on 1 time with Amalan
    - Use and expect to use everything he’s taught us and everything he will teach us in our project. The more we use of his, the more he will be willing to help us in class.
    - Incorporating what we already know and have from his class and comparing and contrasting our work will ensure our product will have the best possible iteration
  + Talk about strengths and delegate roles for next sprint
    - Look at previous work and assignments from other teachers
    - See where to roughly plug in what we must put in a skeleton to get something running
    - Better to be a diamond with a flaw than a pebble without
* **Impediments:**
  + Installation of Anaconda
    - All mentioned above
  + Personal time restraints
    - Outside schedules
      * Alleviated by use of hybrid meeting
  + Working knowledge with Data Science
    - Extremely difficult to distill a project of this scope down to about 4 weeks then polish it into a presentation
      * Taking others examples of programs and connecting it all together is about the only way to make it a reasonably possible