Perception Armored

Team Members: Anthony, Calvin, Evan, Ro

Sprint 1 Review

**Requirements ~**

* **Demo showing progress of sprint:**
  + 8 Data Science applications chosen as temporary placeholders
    - Graphical user interface, text, application

      Description automatically generated1. Using BeautifulSoup, scrape and find the best Craigslist deals before anyone else!
    - Graphical user interface, text, application, email

      Description automatically generated2. With SQLAlchemy make a SQLite data base of shark attacks!
    - 3. Search the Netflix database for the ratings of your favorite movie!

Text

Description automatically generated

* + - Table

      Description automatically generated with medium confidence4. Build your own Pokèdex!
    - Map

      Description automatically generated5. Generate your own heatmap of places you’ve been!
    - Chart

      Description automatically generated6. See where the most recent police activity is in your area!
    - Text

      Description automatically generated7. Find out where the closest ethnic restaurant is of choice in relation to your coordinates!
    - Chart, scatter chart

      Description automatically generated8. Use Linear Regression to find the temperature of cities by measuring latitude!
  + FPGA Board arrived!

A picture containing text

Description automatically generated

* **Report how the last Sprint went with regards to people**
  + Everyone worked well together
    - There were no issues regarding people
    - Some preferred path of least resistance than others and required extracurricular motivational support. They handled the feedback exceptionally well proving unit cohesion would be possible.
    - Honesty and transparency have been the driving force within our group which breaks the barriers of feelings to get the tough negotiables out of the way immediately. I never gave them more than they couldn’t handle, only what they proved they needed by demonstrating to me what “soft skills” they were lacking.
      * Silent competition for Sprint 2 Scrum master
      * Shared passion and motivation to change people’s lives, showed up driven
      * Emphasized communication of what’s holding you back so we can help, not because we’re “upset” or disappointed in any way. Front loading the work is better in the long run!
* **Report how the last Sprint went with regards to relationships**
  + Shared passion
    - Driven focus has been successful in building trust in the mission and ability of each other
    - I was very happy to see everyone learning more about Data Science and Jupiter Notebook more than what was being expected. This will pay dividends in their work and overall product life cycle.
  + Excited to be heard
    - I have some experience leading younger guys like this and know how it feels to feel unappreciated for my talents and skills. I made sure to point out to everyone it’s important to showcase anything to us you think may be helpful to the group or even something you may have a really good idea in.
    - Brainstorming never ends with me. I’ve been shut down as the “Good idea fairy” many times then learned to just ignore the haters and do it anyway. I never want to shut down any good idea’s from these guys and that help motivate the working relationships and skill sets bounce off each other.
    - This is our project and I want them to showcase their best work so they’re proud of it. This is something I hope they’ll showoff in interviews and use for future projects so they were happy when I said it’s important to everyone you show us what you have to offer!
* **Report how the last Sprint went with regards to process**
  + Due Dates - Confusing
    - I personally am not a fan of the power points, that’s just me. They give me information overload and leave me with confusion if they don’t match line item by line item with what the Canvas assignment point expectations are, so I heavily rely on instructor support, Canvas, and my fellow team mates
    - We weren’t exactly clear the meeting cycles in regards to the assignment due dates. I think that mostly had to due with the change in over all structure of the class and how turning in homework is structured. Our team seems to do better with guided “official” structure which is why it’s easier for us to keep our meetings in line with what we know, for example, lunch time between classes.
  + Agile
    - Now that we have a more structured flow of what the process looks like, the development cycle makes more sense. I think we approached it from a waterfalls perspective at first, but towards the middle of it we understood that Agile was more iterative.
    - Tom also helped us understand some of the process of understanding DLC of Agile in his class which really helped. Sometimes, even if it’s the same information it’s helpful to hear it from a new perspective or angle
* **Report how the last Sprint went with regards to tools**
  + Tasking
    - The meetings were difficult to conduct because in the beginning we were throwing up what I had turned in as an assignment to structure our meetings and that was very confusing
    - Tom helped us out with some tasking tools and mentioned Trello and how he uses it all the time, even at home, to get simple tasks done. That or Jira would have been really great to use from the beginning had I known about it!
  + Communications
    - We used Teams because everyone was already used to it
    - It was very helpful since we were all use to it already from school
    - We use Teams for our hybrid meetings as well and it has been working great for us
* **Identify and order the major items that went well**
  + 1. Open mindedness from team
    - Throughout the whole process of Sprint 1 I accounted for the obvious maturity gap and life experience differences and was extremely pleased to find their heart in the right place. Their eagerness to learn about a very difficult subject and to grasp within short time span is incredible.
  + 2. Calvin
    - I must give credit where credit is due. Calvin aided me with a lot of the meetings once he knew he won the Sprint 2 SCRUM Master challenge. He continued to demonstrate leadership and back me up when I needed on the fly reminder information during meetings. He acted as my assistant since I saw it as though he was shadowing me anyway and this worked out very well for everyone too.
  + 3. Faculty support and supervision
    - Tom has been a wonderful supporter of the project and is also a passionate tech nerd like me. When I shared my vision the very first time, he wasn’t quite sure if that would work or if it would be well received partially because it wasn’t well understood. A lot of that was due to my vision not being clear. With that in mind, he took personal time to help CLEAR my vision by taking time out of his day to carefully listen to what it was I was trying to do then draw out what it was I wanted. He was doing this because he liked my purpose and reasoning behind why it needed to be done and now you ask him if it’s possible and he’ll say, oh yes, and it’s not all that hard to do from a networking tools perspective.
  + 4. Availability of hardware
    - Once again, Tom came through with his support on this one. He’s going to let us use his 4x RPi’s clustered to act as the server central point of the entire thing.
    - I felt very lucky to nab the last 2 FPGA board’s I needed off Amazon. The price point is either really cheap and not powerful enough, or way too expensive and too much power/functionality. Finding that good middle ground was difficult with value to availability due to being a highly in demand new product and the obvious chip shortage
* **Identify Potential Improvements**
  + Conducting meetings
    - Time management
      * In the future I think it’s important to identify time restraints so that whoever is conducting the meeting can get through everything they need to within the parameters their team has laid out
      * Reliability and being on time to the hybrid meetings, myself included
    - Flow of topics
      * Structure of how meetings should go needs to be addressed and followed each meeting so that there is a system to go by
      * Trello will help with this, but needing to stay on the topic of what’s being discussed and not letting team members get off topic by accident has been an issue. I forget too and can ramble into random topics
  + Expectations of work
    - Blockers
      * Should be addressed immediately, that’s why we have teams for communications
      * Only if after teams the deficiency/blocker can not otherwise be resolved, than it can be brought to the meeting as a company wide blocker. It is blocking the work flow of and is costing everyone meeting time that could have been saved on teams. Honesty is being proactive. Otherwise, it has been coming off as lackadaisical in meetings for not having the work done
    - Tasking
      * Doing just a little bit of it at home over the weekend would have been really helpful to the SCRUM Master. In the future, it would be more thoughtful if team has at least ¾ of the tasking done before the weekend.
      * Being more descriptive of work. Going that extra mile beyond the minimum requirement asked is shows initiative and helps SCRUM master fill out reports