Appendix

Meeting notes Monday May 10th, 2021:

- Mr. X introduced the basic problems he would like a product to address:
    - IB Physics is a content heavy class, and in a sea of resources it is sometimes difficult to find a reliable place for simple, easy to access notes.
    - He finds some IB Physics resources somewhat inaccessible because of poor formatting, walls of text, etc, that make it harder for students to study topics
    - Students sometimes forget their formula booklets, and it would be nice to have an easy-to-access version of the formula booklet.
- We discussed some possible solutions to these problems:
    - A website that provides centralized location to access various IB Physics resources
    - An app that provides centralized location to access various IB Physics resources
        - Would work especially well because students always have their phones with them, and an app would provide a quick and easy one-step way for students to access the product.
- Discussed success criteria, with the reasons for each:
    - Users will be able to access flashcards specific to IB Physics topics.
        - Easy way for students to review some material for IB Physics using the app
    - Users will be able to see a short summary of and good resources for studying each topic.
        - The app provides content covered in IB Physics, in order to serve as a centralized resource for the class.
    - The application will be compatible with android and ios devices.
        - All students will be able to use the app
    - The application will follow the Apple Human Interface Guidelines.
        - So students feel welcomed by the app, not discouraged by poor formatting and walls of text
    - The application will have a digital version of the IB Physics Data Booklet.
        - So students can quickly access formula booklet information if they forget their formula booklet
    - The application will have a page listing each IB Physics topic.
        - So students can get a quick overview of the topics covered in the course. SL topics are sufficient, as all students have to cover the core SL topics. Showing all of the possible optional topics and HL topics may overwhelm students, and don't even apply to every student.

Meeting notes Wednesday June 9, 2021:

- Discussed copyright issues of using any images of any IB resources
- Specifically discussed copyright issues of using images of the IB Physics data booklet
- Graphics good, quick, formatting on some definitions kind of long
- “Would be nice to have some flashcards for the formulas”
- Mr. X said the product “looks like it could be a good resource”
- Mentioned how as a baseline resource it is good, and should work well as a skeleton of the course
- Extension idea: Could improve beyond a simple ‘skeletal’ outline to a proper independent learning tool by adding embedded videos and maybe pages describing theoretical concepts that students could take notes on.

Meeting notes Monday October 18th, 2021:

- I showed Mr. X the most current version of the product
- Mr. X was impressed, commenting that the product looks “very useful”
- Mr. X reiterated that the product “looks like a good resource”
- Mr. X commented that the existing formula booklet page looks “great”
- Mr. X’s only suggestions for improvement were

    i) that the ‘Key Ideas buttons could open an option for students to pick a specific sub topic to jump to.

    ii) that the ‘resources’ button should also open an option for students to pick from a range of videos covering different aspects of the physics topic.

    iii) embedding content within the application instead of linking to third-party websites would make the product “feel more unified”.