Project Charter

August 29th, 2017
CS 307 3:00 - 4:15 PHY112
Professor Turkstra

Team 14
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Problem Statement

Engineering notebooks are legal documents engineers use to settle patent disputes, on-board engineers, and identify errors in the creation process. These documents are currently not digitized; therefore, they are difficult to share, format, search, and backup. Our software will allow the easy creation of digital documents that can also be used as a legal document by adding signature-like capabilities.

Project Objectives
- Allow engineers to increase time focused on their primary work by minimizing thought about formatting the engineering document or physically sharing the notebook.
- Make searching the notebook for past work or ideas easier.
- Ensure the client's data is secure against cyber attacks and against data loss with end to end encryption.
    - Follows standards for patent process therefore validating the notebook.

Stakeholders
- Project Coordinators: Shreya Inamdar
- Software Developers: Killian Le Clainche, Jarett Lee, Aaron Neustedter, Chad Stucky, Ryan Sullivan, Mehul Patel
- Businesses
    - Businesses that employ many engineers
- Engineers
    - Engineers that use engineering notebooks

Deliverables
- Web Client
    - Allows the user to upload media and text to the web api and display the resulting document.
    - Allow the user to search the dates and titles of past documents.
    - Aids users in creating and formatting documents which adhere to the rules of engineering notebooks.
    - Users will not be able to edit pages after the end of a workday.
    - Review mode if time permits

- Web API
  - REST/SOAP/other endpoints consume and create user owned documents (web, mobile, etc)
  - Backend will render and store the legal copy of page. This will not be editable.
- Database
  - Contains pages and metadata that associates pages with notebooks
- User management system
  - Data will be encrypted and protected as valuable Intellectual Property
  - Pages will have the ability to be digitally signed
  - Sign & co-sign, electronic signature