Client Requirements Document

Fall 2019 | Team Polaris

STaRS Judging APP

* Functional Requirements
  + System must sync with mobile APP and web APP
    - Priority level: High
    - Justification: Because System works on mobile and web, the two separate databases must sync together with the same data.
  + System must be functional on tablets and sync when logging back in
    - Priority level:High
    - Justification: Tablets are the main device used when using the STaRS judging app therefore they should sync and be functional for each event.
  + System must have better security for admin and users
    - Priority level: High
    - Justification: Ratings, user accounts, and admin accounts must be secure and not accessible by everyone.
  + System must allow students to see their feedback
    - Priority level: Medium
    - Justification: Students being able to see results will reduce the need to email results manually.
  + System must allow email functionality
    - Priority level: Medium
    - Justification: This allows the students to be emailed their poster feedback easier than manually.
* Non-Functional Requirements
  + Must update system from Angular 1.5 to Angular 2 or beyond through refactoring
    - Priority level: High
    - Justification: Software becomes obsolete after time and therefore needs to be updated to newer versions.
  + Ionic (Mobile APP) must be able to work on iOS and Android OS
    - Priority level: High
    - Justification: iOS and Android OS are both mainstream for mobile so the System must be able to work for both OS.
  + CouchDB and PouchDB must sync and communicate efficiently through the online and offline feature
    - Priority level: High
    - Justification: Due to the inconsistencies in the GGC WiFi, this app must be able to save reports offline and then be uploaded once service is reinstated.
  + Security must be removed from public access
    - Priority level: High
    - Justification: As of now, the passwords are hardcoded and saved in the public repo. Therefore, everyone in the world should not have access to them.
  + Passwords should be sent as one-time or forever link invitations for Professors
    - Priority level: Medium
    - Justification: This would be more secure compared to every professor using the same password.
* Domain Requirements
  + STARS Symposium
  + Faculty and their policies
  + Any FERPA related policies related to STaRS and/or intellectual property for the student posters
  + Faculty and students involved in the STaRS event
  + Faculty privacy and anonymity with public ratings