**CS6220 Final Project – Proposal**

**Team Members:**

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**GitHub Repo:**

<https://github.com/Paulrkcruz/CS5610-Final_Project_COVI-FORUM>

1. **PROBLEM**

The COVID-19 pandemic has wreaked havoc on our world. One way as developers we can assist with recovery of individuals affected is to develop platforms that prove beneficial for healing. The problem here is that people need a safe space to speak of their experiences in order to enter recovery. COVI-FORUM is a discussion forum designed to allow users that were affected by COVID-19, both mentally or physically, to have a space to speak of their experiences.

1. **USER TYPES**
   1. **USER TYPE #1:** Users that have recovered from COVID-19.
      1. **GOAL #1:** Share the experience of the COVID-19 illness, recovery time, what worked / what didn’t work, and how they currently feel.
      2. **GOAL #2:** Speak freely about how this illness has changed their life.
   2. **USER TYPE #2:** Users that have been affected both mentally and physically from COVID-19.
      1. **GOAL #1:** Create COVID-19 topics for discussion related to mental recovery from traumatic experiences as a result of COVID-19.
      2. **GOAL #2:** Connect with other individuals that have been affected mentally or physically to allow for open discussion of their experiences.
2. **STRATEGY**
   1. Build an open platform dedicated to allowing those affected by COVID-19 the tools to speak freely. In order to accomplish this, we intend to implement features that are user-friendly using JavaScript/HTML5. This will allow for a User Interface (UI) that is modern and streamlined.
      1. Create User accounts that will save a user’s information.
      2. Implement a friendly home page with shortcuts to start discussion forums quickly.
      3. Search functionality to find posts that the user is interested in.
      4. Notify users when a response in a discussion forum has been posted.
      5. Six distinct screens: Login/Register, Home, Profile, Search/results.
   2. We intend to do this utilizing open-source API.
3. **API**
   1. **IDE:** IntelliJ
   2. **Build:** React, Redux, Webpack, Express JS, MongoDB
   3. **Database:** Mongo Database