**Motivation**

The driving force and motivation for this project resulted from the wide variety of knowledge that we acquired during the course of our Software Architecture class, but which we had never applied in a real world project. Architecting this project, and applying the SOA-RA architecture reinforced our knowledge and provided us with insight as to the nuances with this architecture when implementing a scalable project.

Our other driving force was our passion to help NASA. We wanted to use our knowledge and help them in architecting this project, in implementing a POC and demonstrating the advantages of our design, which they then could incorporate into their design.

There were also new technologies that we wanted to learn such as the Play framework which helped us in becoming better developers and more knowledgeable in our field. Having to learn new technologies and implement a functional proof of concept with these new technologies was certainly a challenge that motivated us to work to our potentials.