Sparc: Worldwide Community for Economic Empowerment

Overview Sparc seeks to empower people to share their talents with the world. Imagine you are an expert on applying remote sensing to environmental research. You are away on a conference but have some extra time and want to help some local student researchers with some of their remote sensing questions. You go on to Sparc and post an engagement: Remote Sensing and the Environment, Saturday 1pm at Starbucks. On the other side, some students and researchers sees the engagement on remote sensing and want to get some of their more specific questions answers and learn some more remote sensing for their research. They pay for their session, and at 1pm, it is all about classifiers and satellites and spectral indices in the back corner of Starbucks

Target Users The current target users will primarily be college students and organizers of events across the campus. In the future, Sparc aims to target anyone with ideas, skills, or expertise to share on a real-time basis. Sparc strives to centralize the exchange of meaningful one to many, one to one, or many to many engagements.

Value Users will have the ability to easily capitalize on their talents and to find services they need.

Functionality This project is intended to make the web app fully functional and to develop an iOS app to complement it. Perhaps in the future, create a fully functional back-end run on technology such as NodeJS to centralize a REST API.

Technical Recommendations The client has already started a web app and wants to be able to deploy it to an iOS app as well. The current backend is hosted by firebase. This includes tables, etc, however, Sparc lacks a back-end with a REST API. This is an issue because developing an iOS application would mean that the logic for API calls and their results would be done on the client-side, causing redundancy. A strong recommendation would be to roll out a complete back-end web server.