Overview

David Consulting Group (DCG) has developed and sustained an international reputation as one of the leading authorities on how to build better software. Throughout the years, DCG has provided connections between large companies and developers that provide exceptional software. Recently, the company has begun to explore the notion of connecting individual software developers with the small companies that desire software. The most efficient and profitable method of creating this connection is to formulate a marketplace platform through which small companies are able to connect with potential individual developers creating software, such as mobile applications, websites, spreadsheets, etc. This website platform is our team’s objective for this semester as used the Agile SCRUM Methodology including seven two-week long sprints to produce a minimum viable product for David Consulting Group to provide to potential customers.

Objectives

The main objective of this project is to produce a Minimum Viable Product (MVP) for the software development marketplace auction website. We will employ the Agile SCRUM methodology for all software development for the project. This will allow for bi-weekly (after each sprint) customer feedback on the current state of the MVP. All customer recommendations and requests will be used to make adjustments to the MVP.

Approach

- Our project utilizes the Django web framework for creating the marketplace website that DCG tasked us with for the semester.
- We used Django because it is open source and can be used commercially without the need for DCG to get a license of pay fees.
- Throughout the semester we used the Agile Scrum development methodology.
- This included having seven two-week sprints, with reviews and planning done with DCG through teleconference.
- Our project notebook was kept using a Trello board which is an online whiteboard where we were all able to communicate and coordinate the development process.

Outcomes

In conclusion, our team was able to deliver all of the requested customer needs as well as a few needs beyond the original outline. Throughout the entire development process, we were able to successfully utilize the Agile SCRUM methodology by participating in sprint reviews with DCG once every two weeks. Although some sprints did not produce at the rate that we were hoping, we were able to excel beyond the requests made by DCG during the final sprint to produce a quality product that DCG will hopefully use in the future. Specifically, while our customer did not expect us to complete a contract and feedback system for the project, our team worked diligently near the completion of this project to produce a website that ended up being beyond the customer’s expectations.