[Spark Red] Developer Technical Assessment

Due January 20th, 11:59pm EST (submit with written app!)

I. Overview

Using any language or framework, build a web application of your choosing. We encourage you to use outside resources to help you build your site.

You will *not* be assessed on the creativity or usefulness of your project – instead, **we are only looking at the technical quality of your project**. Some possible ideas to make include: a Twitter replica (supporting users, tweets, hashtags), a movie rating organizer with search, sorting, and filtering features (using [IMDb's API](#)), or anything else you want to make.

We do not expect you to spend over 4 hours on this assessment – this is just a basic assessment of web development proficiency. **Please still enjoy your week!**

II. Assessment Criteria

Here are a few suggestions of features to include in your web application. We **do not expect you to cover all of the features below** – feel free to just choose a few.

Frontend	Backend
- Components - Animations - Mobile responsiveness	- User registration / login / logout functionality - API calls - Integration with database - Classes and objects
Full-stack	Misc
Linking together a frontend framework with a backend framework (eg: React with Node)	- Deploy your site! (we recommend netlify.app, pythonanywhere.com, or heroku.com) - Think of other cool features to add :)

III. Submission

Please upload your code to a GitHub repository and create a README.md. In your README.md, please include the following:

1. Brief summary of what your project does
2. Which features you chose to include
3. How much time you spent developing this project
4. Details for running your project — choose one of the following
   - Deploy your project live (preferred). Include the deployment link.
   - Take a working video of your project. Include the YouTube or video link.
   - Include *detailed* instructions on how to run your site locally.

Please link the GitHub repository in your written application.

IV. Resources

Here is a list of resources you may find helpful!

Basics of React: https://reactjs.org/tutorial/tutorial.html
Basics of Django: https://docs.djangoproject.com/en/3.0/intro/tutorial01/
Database queries in Django : https://docs.djangoproject.com/en/3.0/topics/db/queries/
Authentication in Django: https://pythonprogramming.net/user-login-logout-django-tutorial/

Please feel free to use anything else you find online – it may be helpful to look at official documentation or StackOverflow when debugging. **We fully encourage you to take advantage of the internet**, as long as you don't just directly submit someone else's code!