[Spark Red] Developer Technical Assessment

I. Overview

Using any language or framework, build a web application of your choosing OR build on top of an existing application that you made. We encourage you to use outside resources to help you build your site.

For assessment criteria, we will be mainly looking at the **technical quality of your project**. Some possible ideas and previous submissions we have seen include: a Twitter replica (supporting users, tweets, hashtags), a movie rating organizer with search, sorting, and filtering features (using [IMDb's API](#)), a browser based auto-sudoku solver etc.

We do not expect you to spend over 5 hours on this assessment – this is just a basic assessment of web development proficiency. **! Please still enjoy your week !**

Note: If you did build on top of something previously built, please **detail in your application submission** exactly how much additional time was spent working on the project for the application, along with the associated new Github commits.

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 Node.js: https://nodejs.dev/en/learn/
Basics of NextJS: https://nextjs.org/learn/foundations/about-nextjs

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!