

Full Stack Developer Hiring Project

This is a project that we use for testing potential team members on their technical skills.

Feature Request App

Build a web application that allows the user to create “feature requests”.

A “feature request” is a request for a new feature that will be added into an existing piece of software. Assume that the user is an employee at HackerTrail who will be entering this information after having some correspondence with the client who is requesting the feature. The necessary fields are:

- **Title:** A short descriptive name of the feature request
- **Description:** A long description of the feature request
- **Client:** A selection list of clients (use “Client A”, “Client B”, “Client C”)
- **Client Priority:** A numbered priority according to the client (1...N). Client Priority numbers should not repeat for the given client, so if a priority is set on a new feature as “1”, then all other feature requests for that client should be reordered.
- **Target Date:** The date that the client is hoping to have the feature.
- **Product Area:** A selection list of product areas (use “Assessments”, “Billing”, “Recruit”, “Reports”)

Tech Stack Requirements

The following are requirements on the tech stack. This stack demonstrates mastery of tools our team favors.

- OS: Debian or Ubuntu
- Server Side Scripting: Python 3.6+
- Server Framework: Django or Flask
- ORM: Django ORM or SQL-Alchemy
- JavaScript: AngularJS or Angular

Guidelines

Build your own public repository on Github and call it whatever project name you like. Build your solution in your repository and include a README.md file that contains the detailed instructions for running your web app.

One of the major goals in this project is to see how you fill in ambiguities in your own creative way. There is no such thing as a perfect project here, just interpretations of the instructions above, so please be creative in your approach.

We want to be respectful of your time and set realistic expectations for submission. To help guide you, we have included a deliverables and evaluation section which details common practices in the best projects we worked with.

Deliverables

In order to move your application forward, deliverables will include:

1. A deployed version of your project running on Debian or Ubuntu
2. A Github repository containing your project. Your repository must contain these things:
 - a. A README.md that explains your approach and deployment method
 - b. The source code solution to this test
3. The link to the deployed version of your project

Questions

For questions, please use support@hackertrail.com

Thank you for your time and we are excited to review your project!