



Programming Interview Project 1

At Blue Ridge Dynamics, Inc. we aim to have a detailed interview process that ensures both the candidate and BRD work well together. Part of the process includes a standard interview session with team members. In addition, we like to assess your ability to work independently on projects. One way to evaluate this is to allow you to work on a small project before coming into the interview. This allows you to demonstrate your abilities and facilitates discussion points during the interview. During the interview session, you will be expected to discuss your project with other team members.

Description

Implement a multi-user web based application using HTML5, Reactjs and a Python based Flask backend rest service to view and analyze personal demographic data provided in the interview_sample_data_01.csv. This web application should contain the following pages:

1. A Login page that authenticates the user via the rest service.
2. Allow two users access to the application with usernames tom and harry, both using the password "password".
3. A data centric view to display the provided data set using a Table that is provided via the rest service.

Feel free to use another technology stack if it makes sense, and provide a short justification on your decision.

Please submit your project by creating a github project and sharing the repo via email.

Please include instructions on how to run your application in a readme.md file.

(Optionally) Bonus Points

1. Filter rows based on age, gender or other columns
2. Display 2 pie charts that display the age and gender columns.
3. Display a histogram of the ages column.
4. Dockerize the project.