Rate Quote Coding Challenge

At RateGravity we're constantly looking to help our customers save money on their mortgage. We've built a API that is able to simulate getting rate quotes from our lender network, we'd like to build a script that consumes anonymized customer data and finds the best 30 year loan for the customer.

What are we looking for

We'd like you to write a node script that consumes a json file of anonymized customer data and uses our API to find the best 30 year loan for each customer. Attached is an example of a customer data json.

When selecting the best 30 year loan you should select the lowest interest rate from rate quotes with the loan type of `30YR Fixed`.
For each customer your script should output the anonymized customer data plus the following data from the API for the best 30 year loan.
- lenderName
- interestRate
- closingCosts
- monthlyPayment
- apr

How to submit

Please make your code available in a Git repository, we'd recommend posting either to GitHub or Bitbucket. Your code should include a readme file with explanations of how to run your code locally connecting to our API.

How are we evaluating your submission

We'll evaluate submissions holistically, however we'll be looking for the following.
- Code should start and run according to your Readme
- Unit tests and other automated tests.
- Quality and readability of code.

Using Libraries and Frameworks

Beyond Node the rest of the technical decisions are up to you. However your Readme should include a brief explanation for why you choose to use any other libraries or frameworks.

Helpful Links

- Swagger Editor - https://editor.swagger.io/
- Node Fetch - https://www.npmjs.com/package/node-fetch

Our API

`https://ss6b2ke2ca.execute-api.us-east-1.amazonaws.com/Prod/quotes`

Swagger documentation for the API is attached.

All calls to the API require an authorization header in the form:
`Authorization: RG-AUTH YOUR-AUTH-TOKEN`