

Parsley Homework

Timing

You have 7 days to complete this assignment. It is expected to take less than 4 hours.

Beginning Assumptions

A GraphQL API endpoint called HAPI exists to service multiple single-page web applications. The endpoint does not require actual authentication. We're going to be defining toy JWT tokens using HTTP request headers that have the following attributes:

`auth-provider` will be set to the strings `SSO` or `user-pass` depending on how the identity provider authenticated the end-user. If you need to, assume Firebase is creating the toy token.

`email` will be set to the end-user's email address.

Web applications will set a request header with `appname: $appname`

HAPI returns the string `"Super secret PHI data!"` as its sole function.

Problem Statement

For requests from one web application in particular, named `senior-parsley`, we need to be able to apply certain rules. We would like to return a valid response when the following conditions are met:

Toy token `auth-provider == SSO`

AND

Toy token `email` contains `@parsleyhealth.com` as an email suffix.

HAPI returns an error message when those conditions are not met.

Bonus Points

Implement RBAC for another endpoint for ``getUser()`` (pseudo code is fine)

Constraints

For the purpose of this exercise please use Apollo Server's Schema Directives to implement the rules: <https://www.apollographql.com/docs/apollo-server/schema/creating-directives/>

Deliverables

Please create a GraphQL endpoint that accepts an empty body request (only headers) and responds appropriately given the problem statement.

Please commit your progress to a public github repository as you work with appropriate comments for each commit. If you'd prefer to keep your github repository private, please add @chairmantubeamp, @allenahner, @chiefy as reviewers.

In your repo, please provide the code required to stand up your GraphQL endpoint so that we can poke at it. We would like to see setup documentation and pointers on using ancillary tooling so that we can have a sense of what you tested and how you tested it.

Thank you in advance for your time. We look forward to discussing your work and the thinking that went into this assignment!

Martin & the Parsley Health Engineers