

Overview

Create a web service with an API for storing location information. We are interested in the various design and implementation decisions that are necessary to complete this challenge.

Deliverables

Please submit this application as a Git repository.

Requirements

- Web service application must be built on the LAMP stack using the Laravel framework.
- Web service must adhere to REST architecture.
- Application must have comprehensive code test coverage.
- Web service API documentation must be included.
- Web service must return data in JSON format.
- Web service must provide CrUD operations for “location” entries.
- Location entries must be hierarchical. (Each entry may have 0 or 1 parent entry.)
- Location entries must store user-provided address information.
- Application must provide latitude/longitude values for each entry based on its address.
- Web service must provide an operation for retrieving all ancestors for a given entry.
- Web service must provide an operation for retrieving the closest common ancestor to two given entries. (If one entry is an ancestor of the other, the former entry itself would be considered the “closest common ancestor”.)