

Objective

Develop a simple REST API service (details below). Present your project to some developers on our team.

Presentation

Be prepared to present your project to us:

- Demo the service running
- Show a diagram which describes the architecture
- Walk through the code

Here are some of the things we are looking for:

- Code quality: e.g. style, complexity, good practices, testing
- Application architecture: e.g. design patterns, modularity
- API design quality: e.g. following standards and good practices
- Documentation quality: e.g. content quality, completeness and accuracy

Project Details

Create an application which manages messages and provides details about those messages, specifically whether or not a message is a palindrome. Your application should support the following operations:

- Create, retrieve, update, and delete a message
- List messages

These operations should follow proper RESTful design.

Additional Guidelines

Follow these additional guidelines:

- Implement in your favorite programming language (e.g. JavaScript, Go or other)
- Include a `Readme(.md)` which has the following:
 - Brief description of the architecture
 - How to build, deploy, test and access your app (i.e. tell us how to run your code)
- Provide some REST API documentation (either in `Readme` or in-line code)
- Provide testing evidence
- Focus on the API and the service; a UI for the API is not expected
- Ideally avoid use of code generating frameworks. If you do use them, be sure to extend or build around the generated code to show your knowledge

Submission Details

- Submit your code to a Github or Bitbucket repository
- To focus the presentation, submit a *single* project or implementation
- If you have any questions, please ask