

QA home challenge

Problem description

Write a RESTful web service that schedules messages to be printed. The web service should accept message content and delivery time.

The web service should return the 202 status code (accepted) if the message was successfully scheduled.

The web service should print the message content on the console at the delivery time specified. The system should recover and messages should not be lost in case of restart.

Technical constraints

Keep the solution simple. You can implement the solution using any language or library you know, as long as you provide the instructions on how to run it.

What are we looking for:

1. A working solution.
2. Code quality (organization, modularity, modeling, testing ...etc).
3. Your ability to follow instructions.
4. Well documented code.
5. Clearly defined models.
6. RESTful design.
7. Database of your choice.
8. Unit tests

Submission

We understand that people are busy, the above assignment should take ~8 hours of straight programming if you built a similar solution before, feel free to break those 8 hours apart over a reasonable number of days. After you read the problem description, you need to let us know how long it would take you to have a working solution and when are you planning to send it to us. The solution must be saved in a private git repository. The git repository readme file should include information about how to build and run the application.