Backend Task - Mailbox API

Introduction

A local firm is building a small E-mail client to manage their internal messaging.
You have been asked to provide a simple prototype for a basic mailbox API in which the provided messages are listed. Each message can be marked as read and you can archive single messages.

Specifications

Import messages from a JSON file

To seed the database with some example messages there is a JSON file provided which needs to be imported into the database. Please write a task which can import this messages into the datab

Message API

The main task is to build an API for the messages. It should to be a REST based API with a JSON formatted payloads.
The API should support the following use-cases.

List messages
Retrieve a paginateable list of all messages. Show if messages were read already.

List archived messages
Retrieve a paginateable list of all archived messages. Show if messages were read already.

Show message
Retrieve message by id, include read status and if message is achived.

Read message
This action “reads” a message and marks it as read in database.

Archive message
This action sets a message to archived.

Beside the API please also provide a short documentation how to use it and how the endpoints work.
For simplicity we just use a simple HTTP Authorization header.

Submission

As this is a prototype, it is not expected to reflect a finished article, if there are things you would add/modify/approach differently for a production-ready system, we ask that you simply note down these, and include the notes with your submission. That includes any implementation aspects you feel are simply too time-consuming for a prototype.

In order to create the prototype, you are free to make use of any test-libraries, frameworks or any other tools that might aid you in providing your prototype faster.

You may provide your submission for your component as a zip file, uploaded to a shared drive, a repository in your chosen CVS, or via any other medium you find convenient.
We also ask that you include a brief description of your approach, any assumptions you have made and any considerations you may have had.