

**TASK: Create a simple java backend app with REST API and authentication. Send us your work as archive or link to GitHub repository.**

Lightway version of document management system. Purpose of this application is managing documents and protocols.

- app should manage all necessary data over REST API
- app should secure all REST API with authentication
- app should using JSON for communication
- app should persist data in database (choice of database is up to you)
- app should be able to run on application server (choice of server is up to you)
- app should be easy to run or contains manual

#### 1.) Documents

- create REST APIs and database structures for manage documents
- every document should have these metadata - document name, who created it, when was created and document type (pdf, jpg).
- app should contains these APIs:
  - create document
  - edit document
  - delete document

#### 2.) Protocols

- create REST APIs and database structures for manage protocols (set of documents)
- protocol cannot be created without documents - every protocol contains 1:n documents
- every document should have these metadata - who created it, when was created, state of protocol (NEW, PREPARE\_FOR\_SHIPMENT, CANCELED) and references to documents
- app should contains these APIs:
  - create protocol
  - edit whole protocol (all data)
  - edit only state of protocol