Java development assignment

Create a Spring Boot application that will poll a news feed every 5 minutes, and stores any changes in a MySQL database.

The news feed to use is: http://feeds.nos.nl/nosjournaal?format=xml. Create a data model to store at least the last 10 news items in the database. For each item at least the title, description, published date and image needs to be stored. It could be an item is updated in the feed, in which case its record in the database should be updated as well. Furthermore, it is important that the implementation is easily extensible to consume feeds from different sources and expose them to the consumers in a homogenous way.

Expose the news items using GraphQL, see https://github.com/graphql-java-kickstart/graphql-springboot. Also include graphiql-spring-boot-starter for exposing the GraphiQL IDE to interact with the GraphQL API.

Deliver a SQL script which can be used to create the MySQL database. This doesn't have to be manually written, but can be a dump of your local MySQL database you created during development.

Deliver a (small) readme file with the source code which describes how to set up and run the application.

Preferably the source code is shared using an online repository such as github or bitbucket.