

## Assignment: Bidding System

### Tech Stack:

- Java 11+
- Spring Boot
- MySQL
- JPA
- Gradle
- Junit
- Postman
- Freemaker

### Objective

Build a RESTful API for managing the bidding system

1. backend: backend api
2. backoffice: for client
  - a. post item for bid, and view the bid history of his item
3. landing page: for bidder
  - a. Join the bid session
  - b. post new bid price
  - c. see his own bid history
  - d. see win history
  - e. see lost history
4. system functionality
  - a. There are 2 minutes per bid call session
  - b. Display only the bidder who offered the highest price
  - c. Announce the winner name and the price which he/she bid
  - d. All API are protected, only registered users are allowed to access
  - e. API Authentication and Authorization must use OpenID Connect or OAuth2