Task: Product ordering interface

Create a web page for ordering products:
- User can select a product from the provided product catalog and submit an order.
- The product catalog must also display prices of products (in addition to the product information).

A product order is sent to API and stored to the database. Orders are anonymous; no authentication or authorization of a user is required. Basic information about a customer should be saved with the order.

You will be provided an application skeleton that contains the most important parts of the software to get you started quickly. You must build the interface and API on top of the provided code.

You will start with:

- Java 8 project with Jersey & Grizzly frameworks for API
- H2 in-memory database with product and price catalog data
- Admin-page for listing orders (http://localhost:8080/admin/)
- Product catalog: http://localhost:8080/api/products
- Pricing catalog: http://localhost:8080/api/prices
- User interface skeleton

Structure of the project skeleton:

- Maven project
- DB schema: src/main/resources/data.sql
- Jersey resources: src/main/java/elisa/devtest/endend
- Database layer: src/main/java/elisa/devtest/endend/dao
- Models: src/main/java/elisa/devtest/endend/model
- Webapp: src/main/webapp
- Server start class: src/main/java/elisa/devtest/endend/Main

Your submission should include:

- HTML5/JS/CSS web interface for ordering products: controls for displaying available products with prices and an action for submitting the order.
- API implemented using Java 8 and provided frameworks
- Tests

Submission must be "ready for production" -quality code. Do not forget the usual stuff (structuring code, comments, formatting etc.)

What you <u>can</u> do

- You can browse Internet freely
- You can use open-source libraries. For example you can integrate JS libraries of your choice for managing front-end code.
- You can freely design the product ordering -interface. Functionality matters more than style. This is not an UX test.

What you <u>cannot</u> do:

- DO NOT COPY PASTE OTHER DEVELOPER'S CODE. We will check your submission against copy-paste detector tools.
- DO NOT replace key elements (Java 8, Jersey, Grizzly, H2) with something else.
- DO NOT use other than HTML5/CSS/JS for the front-end

Time limit for the task is seven and half (7,5) hours. After you are ready, please answer at least two first questions of the feedback form (takes <1 minute). Thank you.

Good luck.