

Software Design Project

Technical constraints:

- Client-Server application (Web)
- Connectivity to **database** (each table should contain at least 5 entries)
- Security
- Testing
- **Validations** of the inputs

Deliverables:

Create a **github repository** with the following: **source code, documentation, database scripts** . Provide the link to the repository.

Grading:

Grade	Requirement
5	Functionality of the application <ul style="list-style-type: none">• at least 2 complex flows for each user (besides login and register)
+1	Usage of Design Patterns
+1	Testing
+1	Security
+1	Code Documentation (Logs + Javadoc)
+1	Documentation of APIs
+1	Clean code

Documentation of APIs **Examples:**

POST /my-app-name/product/addToCart

Request:

- body (JSON):

```
{
    "productName": "someProduct",
    "quantity": 2
}
```

Responses:

- 200 OK - Product was successfully added to cart
- 404 NOT FOUND - Product with specified name was not found
- 400 BAD REQUEST ... etc