Project Specification

<Old Mates >

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**Description of the site:**

Site Name: Old Mate

Products to be sold: anything before 2000

Description of the site (one-to-two-lines): the site functions as an OP shop that is only online

**Organisational Requirements (At least two each):**

Organisational standards:

* PHP naming standards
  + Variables: lowerCamelCase or lower\_lower\_case
  + Constants: CONSTANT\_CASE

Legislative requirements:

* Privacy policy
  + What information we collect
  + How and where it is stored

Database data requirements:

* Use https and or ssl when adding data to the DB
* Encrypt sensitive information

**Site Functionalities**:

Client-side functionalities (list at least 2):

* Client side credential validation
* Product counts displayed

Server-side functionalities (list at least 6):

* Store shopping cart info
* Be able to update product state when client selects product
* Store user credentials
* Products retrieved and displayed from DB
* Inventory Management
* Management of cookies
* Manage connection to database

**Technical requirements**: Identify the following upgrades and requirements

Web server

* Apache 2.0

Database server

* MySql 8.0.28

Scripting language

* PHP 7.2.1
* JavaScript

Two security requirements

* Username and Password
* https

**Database** **Structure:**

Customer(**customer\_ID**, email, password, firstName, lastName, phoneNumber, cardNumbers)

Providers(**provider\_ID**, customer\_ID, firstName, lastName, address)

Products(**product\_ID**, **provider\_ID**, amountAvailable, name, description)

Order(**order\_ID, customer\_ID**, status, cost)

OrderItems(**product\_ID, order\_ID**, count, combinedPrice, individualPrice)s