

CREATING AN APPLICATION

Specification of a MarocShip application.

Realised By :

Elmahdi GLIOUINE

Zakaria TAJER

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1. Problem :

In the company MarocShip managing the delivery and following up all the

Ordering from E-commerce sites manually is tedious work. That's why we're going to use a web application called MarocShip to facilitate delivery management.

2. Presentation of the application:

- The date of creation: 24/11/2022.
- The main activity: The MarocShip application will allow drivers to deliver in ease the orders of each customer.
- The number of employees: 10 managers, 100 drivers.
- Turnover: 20,000.

3. The Purposes of the Application.

Help manage customer orders more effectively using an app which will allow MarocShip delivery managers to track and assign a delivery to each driver.

4. The Targets.

Our application will be accessible for managers and delivery managers and drivers, which makes it easier to track customer orders, so possible users are:

- Manager: Create delivery managers and view statistics at any time of the best drivers and the delivery ranking.
- Delivery manager: assign a delivery to each driver.
- Driver: Each driver is responsible for a vehicle which can be a car or small truck or large truck and once the delivery is fulfilled, all drivers concerned will receive an email which will contain all the delivery details.

5. Application Scope.

- Admin can add a manager
- Managers can add delivery managers
- Drivers are responsible for vehicles which can be small car or big ones

6. Content of application

The MarocShip application will contain four phases:

Login phase: which allows you to fill in the email and password (Admin, delivery manager, driver).

Admin phase: create a new manager account.

Manager phase: create a new account for the delivery manager.

Delivery manager phase: and consult the statistics of the best drivers and delivery classification.

Driver phase: will receive an email that will contain all the delivery details.

7. The languages used.

JAVA: Java is a computer technology originally developed by Sun Microsystems

then acquired by Oracle following the takeover of the company. Originally defined as a

programming language, Java has evolved into a cohesive set of elements technical and non-technical.

- **Hibernate:** Hibernate is an open source framework managing the persistence of objects by relational database.

- **JPA:** The Java Persistence API is a Java programming interface allowing developers to organize relational data in applications using the Java platform. The Java Persistence API originated from the work of the expert group JSR 220.

- **JSF:** JavaServer Faces is a Java framework for developing web applications.

Unlike other traditional action-based MVC frameworks, JSF is based on the concept of components.

- **MYSQL:** is a standardized computer language used to exploit databases relational. The data manipulation language part of SQL allows you to search, add, modify or delete data in the databases relational data. Besides the data manipulation language.

- **DBMS:** A database management system is system software used to store, manipulate or manage, and share data in a database, ensuring the quality, durability and confidentiality of information, while hiding the complexity of operations.

- **Solid:** In object-oriented programming, SOLID is a mnemonic acronym that groups five design principles intended to produce software architectures that are more understandable, flexible and maintainable.

7. Planning.

The start date: 18/11/2022.

the date of the end: 24/11/2022.