#17 – WEB DESIGN

**TEST PROJECT**

(Server Programming: Back-End)

1. **INTRODUCTION**

**Delightful is** a restaurant that serves packed lunch during lunch time during the week. Lately the restaurant is having trouble managing the orders of its customers, since they use only the phone as a means of communication, which makes the process exhausting and difficult to organize. To solve this communication problem, you have been hired to develop a system capable of managing online orders.

1. **INSTRUCTIONS FOR THE COMPETITOR**

To assist your work, the company provided the information and the menu that are important guidelines for the construction of the project. This material is in the "media" folder.

* 1. **BRIEFING**

You have been hire to develop the order system of the restaurant **Delightful**, where the customer can carry out the order and receive real-time feedback from your packed lunch until delivery.

1. **PROJECT REQUIREMENTS**

The requirements of this system are as follows:

* 1. **EMPLOYEE REGISTRATION AREA**

Only a logged-in employee can access this area. One of the employees must be registered with the following information:

* Name: Employee,
* E-mail employee@delightful.com.br,
* Password: delightful123.

Data required for employee registration:

* Name
  + Required field
  + Maximum of 100 characters
* Email
  + Will the user login, should be unique in the database
  + Required field
  + Maximum of 100 characters
  + Must be a valid email
* Password
  + Required field
  + Maximum 16 characters
  + Must be encrypted in the database
    1. **OPTIONS AVAILABLE IN THE EMPLOYEE AREA**

Features that should be implemented for the use of company employees.

* View customer orders;
  + The following information should be made available
    - Order number
    - Data
    - Customer name
    - Value
    - Status
    - Link to details
  + Link to details should have:
    - Possibility of changing Status
    - The list of purchased shares
    - If there is delivery, fee amount and address
  + Filter orders by: "Awaiting approval," "Approved," "Disapproved," "In production," "Out for Delivery," and "Finished."
  + Orders must be shown in descending date order.
* Set delivery rate;
  1. **CUSTOMER REGISTRATION AREA (USERS WHO WILL PLACE ORDERS)**

Public area intended for the registration of customers to carry out orders. Must contain a form with the following fields:

* Name
  + Required field
  + Maximum of 100 characters
* Email
  + Will the user login, should be unique in the database
  + Required field
  + Maximum of 100 characters
  + Must be a valid email
* Phone
  + Required field
  + Maximum of 10 characters
* Password
  + Required field
  + Maximum 16 characters
  + Must be encrypted in the database
    1. **OPTIONS AVAILABLE IN THE CLIENT AREA**

Features necessary for the correct functioning of the customer's ordering system.

* Order
  + After the client is logged in,you can place an order, and the following information is required:
    - Assemble your dish by selecting the order items
    - Option to select whether it will be picked up on site or delivered to an address
      * If the user selects delivery by address, a field must be enabled to fill in the delivery address and the employee-defined delivery rate must be added.
      * Preferable time for delivery/pick-up
  + After you place the order, it will be sent with the status "Awaiting approval", as soon as an employee check to approve the status should change to "In production". If the employee disapproves of the request, the status must change to "Disapproved". Or if it is to deliver, it must include the status of "Left for delivery".
  + If the employee disapproves the request, a justification field (mandatory) must be submitted to justify the reason for such failure.
* Track order (status: "Awaiting approval", "Approved", "Disapproved", "In production", "Left for delivery" or "Finalized")
* View previously logged-in user orders (history)
  + Previous applications should contain:
    - Order number
    - Data
    - Order items
    - Total amount including delivery fee if any.
  1. **OTHER REQUIREMENTS**
* Protect your application from XSS and Injections attacks.
* You can use javascript to develop your work if you want.