

# GOA COLLEGE OF ENGINEERING

FARMAGUDI, PONDA GOA

## CRAFTOZA'S PRINCIPAL DESIGN

The principal structure of the website shall be sub-classified into two important sub-divisions.

- 1) Admin Section (CZ-001)
- 2) User Section (CZ-002)

### **CZ-001:**

The admin section shall be further sub-classified into 3 sub-divisions namely.

- 1) Order Placements Section (CZ-001-A)
- 2) Exclusive Admin Rights Section (CZ-001-B)
- 3) Delivery Agent Section (CZ-001-C)

#### **CZ-001-A:**

A section that provides an interface to interact with all the orders placed by every user. The section consists of the following features

##### a) Order Details Display

All orders placed via the website shall be queued and displayed in an unambiguous format.

The order details shall include the following attributes

- Customer ID
- Name
- Address 1
- Address 2
- Phone Number
- Date of Order Placement
- Name of allocated Delivery Agent
- Delivery Status

##### b) Order Cancellation

An option is provided to the section user to manually cancel the order in case of unavoidable circumstances.

##### c) Delivery Agent Allocation

An efficient algorithm to schedule respective delivery agents to deliver the ordered products.

Design:

Delivery agents shall be posted in various locations. The allocation process shall be based on the delivery location of the customer.

Criteria for allocation:

- 1) First Come First Serve
- 2) The delivery location and Agent's Posted Location shall be matched

##### d) Generate Unique Delivery Code

Each order shall bare a Unique Delivery Code (UDC) which will facilitate in smooth order tracking and Delivery Status.

##### e) Update Delivery Status

The delivery status shall be updated in response to the delivery agent's order status update response.

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Based on the input from the Delivery agent the following actions shall be performed:

- 1) If the delivery agent updates the status as "Successfully Delivered" for a particular UDC, then the display table queue shall be updated and the order shall be canceled from the table. However, a separate record table can be created to keep an order history with status updated as "Delivered".
- 2) If the delivery agent's response status is "Pending" then no actions shall be taken.

f) [Invoice Generator](#)

A PDF Invoice document shall be generated which bares the customer details and UDC

**CZ-001-B:**

A section that provides an interface for the proprietor and in charge user to access the following features:

a) [Update Advertisement boards](#)

The Website shall have spaces allocated for advertisement in strategic areas on the page.

Every advertisement poster design must strictly follow fixed dimensions as specified.

The admin user shall have the control of updating the advertisement posters

b) [Add New Product](#)

The admin user shall be provided with an interface to add new products in the relevant product categories.

c) [Delete Product](#)

The Admin user shall be provided with an interface to delete products as per his/her wish.

d) [Full-Fledge Database Control](#)

The admin user shall enjoy full rights of the Main Database. Other admin categories shall enjoy limited access to the database.

e) [Pricing](#)

The admin user shall be able to update the prices and discounts as per his/her business model.

f) [Send Newsletter](#)

An option to draft and send periodic newsletters.

g) [Add / Delete Delivery Agents](#)

An option for the admin user to add or delete delivery agents in the database

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## **CZ-001-C:**

A section that provides an interface for the registered delivery agents to respond to the task allocated to them

### a) Update Delivery status

The delivery agent shall deliver the product to the customer and perform the following steps

- 1) Receive Payment (COD)
- 2) Scan the UDC on the product package

### b) Delivery Details

The Delivery agent shall be provided the details of the delivery as per the details given by the customer,

Following details shall be provided:

- Name
- Customer ID
- Address
- Phone Number

### c) Delivery Task-list:

The Agent's assigned delivery tasks shall be displayed and updated accordingly.

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