# Case Study 05(i)-Price Update

**Price Update exercise steps:**

1. **Functionality:** Implement additional admin pages **for Updating product prices**, and **Generating daily sales reports**.

2. **Price Update Page: (1)**Display coffee blends with checkboxes; **(2)**Allow user input of a new sales price when a blend is selected.

3. **On update:** New price is saved to the database. Updated price are retrieved and displayed on the same page for confirmation.



## Case Study 5(i) – Price Update

➤ Implement additional pages to perform database management functions such as product price update and generation of daily sales report.

➤ As shown below is a **sample** administrative page to select a particular blend of coffee for price update. On clicking a corresponding check box, the user can key in the new sales price for a cup of coffee. On successful update of the sales price into the database, the updated sale prices should be automatically retrieved and display onto the same page for user confirmation.

Click on a check box for price update

Updated corresponding price displayed on same page

### JavaJam Coffee House

**Product Price Update**

**Click to update product prices:**

☐ **Just Java** — Regular house blend, decaffeinated coffee, or flavor of the day. Endless Cup $2.00

☐ **Cafe au Lait** — House blended coffee infused into a smooth, steamed milk. Single $2.00 Double $3.00

☐ **Iced Cappuccino** — Sweetened espresso blended with icy-cold milk and served in a chilled glass. Single $4.75 Double $5.75

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**Sales Report Generation exercise steps:**

1. **Add a "Check-Out" Button: To the modified "Menu" page of Case Study 04(ii).** On checkout, the customer's order is saved to the database.

2. **Admin page for sales report:** Generates daily sales reports form customer orders. **(1)**Display: Total dollar and quantity sales per product (sales by product); **(2)**Breakdown by category: Single and Double Shots (sales by categories); **(3)**Return most popular option category of the best-selling product.



## Case Study 5(ii) – Sales Reports

➢ This case study should require adding a "check-out" button to the modified "Menu" page of case study 4(ii). On check out, the customer's order should be inserted into the database.

➢ As shown below is a sample administrative page for generating the daily sales reports based on daily customer's orders.

➢ Daily sales reports showing the total dollar and quantity sales for each of the products and categories (single and double shots) should be generated and presented in html format.

➢ It should also be possible to include the most popular option category of the best selling product in the report.

Indicate the best selling coffee and its most popular option (single/double/null).

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**Daily Sales Report**

Click to generate daily sales report:

☐ Total dollar and quantity sales by products

☐ Total dollar and quantity sales by categories

➢ Popular option of best selling product: _____

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# Sales Report: Sales By Product

## Case Study 5(ii) interpretation of products

| Product | Total Dollar Sales | Quantity Sales |
|---|---|---|
| Just Java | $50 | 25 |
| Café au Lait | $70 | 30 |
| Iced Cappuccino | $152.50 | 30 |

Café au Lait – 20 Single ($40), 10 Double ($30)
Iced Cappuccino – 20 Single ($95), 10 Double ($57.50)

# Sales Report: Sales By Categories

## Case Study 5(ii) interpretation of categories

| Category | Total Dollar Sales | Quantity Sales |
|----------|--------------------|-----------------|
| Null | $50 | 25 |
| Single | $135 | 40 |
| Double | $87.50 | 20 |

Café au Lait – 20 Single ($40), 10 Double ($30)
Iced Cappuccino – 20 Single ($95), 10 Double ($57.50)

# Sales Report

## Case Study 5 (ii) interpretation

| Product | Total Dollar Sales | Quantity Sales |
| --- | --- | --- |
| Just Java | $50 | 25 |
| Café au Lait | $70 | 30 |
| Iced Cappuccino | $152.50 | 30 |

Café au Lait – 20 Single ($40), 10 Double ($30)
Iced Cappuccino – 20 Single ($95), 10 Double ($57.50)

Popular (with highest quantity sold) option (category) of best selling (highest $$) product is Single of Iced Cappuccino

# Case Study 05 Additional Approach

- **Base Version (85%):**
  **Traditional approach (HTML, CSS, JS, PHP, MySQL)**

- **Additional approach to create or improve case study 05 (15%):**

  **Front-end: React.js/Vue.js + Tailwind CSS.**
  **Back-end: Node.js + Express**
  **Database: MongoDB/Oracle**

- **Important Notes: (A) You are not limited to these specific technologies. (B) The base version of your design accounts for 85% of the final marks. You should only explore the additional tech stack after you've completed your base version.**

- **If you only submit the additional version, without a working base version, you will only be awarded 15 marks for this case study.**