Nama   : Cut Karin Labibah
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Mata Kuliah   : Pengkodean dan Pemrograman
Pertemuan ke : Pertemuan 5, 21 Maret 2025
Tugas   : aplikasi inventory management (fixed)

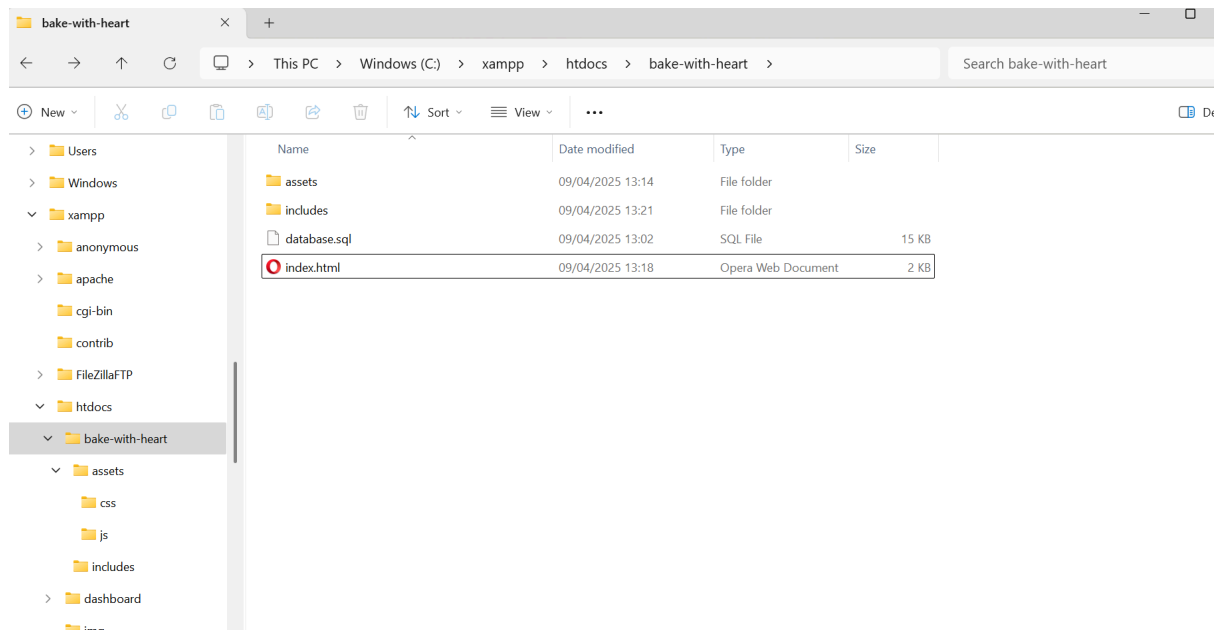- Membuat perintah ke Grok Ai untuk membuat aplikasi inventory management namun bisa menyimpan data

Buat aplikasi inventory management untuk usaha yang bernama "Bake with heart" untuk usaha kue. Buatlah tampilan menarik dan bertema kue dengan nuansa warna coklat muda dan aesthetic serta sistem yang bisa menyimpan data inventory barang berupa (nama barang, kuantitas, dan harga) dan mencatat penjualan (nama barang, kuantitas dan harga jual) serta menyimpan data menjualan dengan menggunakan kode html, css, JavaScript, php, sql. Gunakan kode front-end memakai index.html, style.css, script.js. (Lengkapi dengan penjelasan struktur kode yang sesuai dengan struktur folder, serta tutorial penggunaan.) Pastikan Inventory.PHP dan Sales PHP run smoothly sehingga data bisa terekam

Berikut adalah solusi lengkap untuk aplikasi inventory management "Bake with Heart" dengan tema kue aesthetic berwarna coklat muda:

Struktur Folder

```text                                          Salin

bake-with-heart/
├── css/
│   └── style.css
├── js/
│   └── script.js
├── index.html
├── inventory.php
├── sales.php
```

- Membuat folder bernama "bake-with-heart" di xampp>htdocs>bake-with-heart dan membuat folder sesuai struktur folder yang diberi Grok Ai.
- membuka xammp>phpmyadmin>memasukkan code sql>export>masukkan file ke folder "bake-with-heart".

- Copy-paste semua file ke dalam notepad++ dan save sesuai struktur folder

File   Edit   Search   View   Encoding   Language   Settings   Tools   Macro   Run   Plugins   Window   ?

style.css   debug.js   script.js   db_connect.php   inventory.php   sales.php   index.html

```html
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta charset="UTF-8">
5       <meta name="viewport" content="width=device-width, initial-scale=1.0">
6       <title>Bake with Heart - Inventory Management</title>
7       <link rel="stylesheet" href="assets/css/style.css">
8   </head>
9   <body>
10      <div class="container">
11          <h1>Bake with Heart 🍰</h1>
12
13          <div class="section">
14              <h2>Inventory</h2>
15              <form id="inventoryForm" action="includes/inventory.php" method="POST">
16                  <input type="text" name="item_name" placeholder="Nama Barang" required>
17                  <input type="number" name="quantity" placeholder="Kuantitas" required>
18                  <input type="number" name="price" step="0.01" placeholder="Harga (Rp)" required>
19                  <button type="submit">Tambah Barang</button>
20              </form>
21              <div id="inventoryList"></div>
22          </div>
23
24          <div class="section">
25              <h2>Penjualan</h2>
26              <form id="salesForm" action="includes/sales.php" method="POST">
27                  <input type="text" name="item_name" placeholder="Nama Barang" required>
28                  <input type="number" name="quantity" placeholder="Kuantitas" required>
29                  <input type="number" name="sale_price" step="0.01" placeholder="Harga Jual (Rp)" required>
30                  <button type="submit">Catat Penjualan</button>
31              </form>
32              <div id="salesList"></div>
33          </div>
34      </div>
```

File   Edit   Search   View   Encoding   Language   Settings   Tools   Macro   Run   Plugins   Window   ?

style.css   debug.js   script.js   db_connect.php   inventory.php   sales.php   index.html

```php
1   <?php
2   include 'db_connect.php';
3
4   if ($_SERVER["REQUEST_METHOD"] == "POST") {
5       $item_name = $_POST['item_name'];
6       $quantity = $_POST['quantity'];
7       $price = $_POST['price'];
8
9       $stmt = $conn->prepare("INSERT INTO inventory (item_name, quantity, price) VALUES (?, ?, ?) ON DUPLICATE KEY UPDATE quantity = quantity + ?");
10      $stmt->bind_param("sidd", $item_name, $quantity, $price, $quantity);
11      $stmt->execute();
12      $stmt->close();
13  }
14
15  $sql = "SELECT * FROM inventory";
16  $result = $conn->query($sql);
17
18  echo "<h3>Daftar Inventory</h3>";
19  if ($result->num_rows > 0) {
20      while($row = $result->fetch_assoc()) {
21          echo "<p>{$row['item_name']} - Kuantitas: {$row['quantity']} - Harga: Rp {$row['price']}</p>";
22      }
23  } else {
24      echo "<p>Belum ada barang di inventory.</p>";
25  }
26
27  $conn->close();
28  ?>
```

File   Edit   Search   View   Encoding   Language   Settings   Tools   Macro   Run   Plugins   Window   ?

style.css   debug.js   script.js   db_connect.php   inventory.php   sales.php   index.html

```php
1   <?php
2   $conn = new mysqli("localhost", "root", "", "bake_with_heart");
3
4   if ($conn->connect_error) {
5       die("Koneksi gagal: " . $conn->connect_error);
6   }
7   ?>
```

Tabs: style.css · debug.js · script.js · db_connect.php · inventory.php · sales.php · index.html

```css
47     └}
48
49     ┌input {
50          padding: 8px;
51          border: 2px solid #b3d9e6; /* Border biru muda */
52          border-radius: 5px;
53          background-color: #f7fbfe; /* Background input biru sangat muda */
54          color: #1e4966; /* Teks gelap */
55     └}
56
57     ┌input:focus {
58          outline: none;
59          border-color: #4d94b8; /* Biru sedang saat fokus */
60     └}
61
62     ┌button {
63          padding: 8px 15px;
64          background-color: #4d94b8; /* Biru sedang untuk tombol */
65          color: white;
66          border: none;
67          border-radius: 5px;
68          cursor: pointer;
69          transition: background-color 0.3s;
70     └}
71
72     ┌button:hover {
73          background-color: #2e6d94; /* Biru lebih gelap saat hover */
74     └}
75
76     ┌#inventoryList, #salesList {
77          padding: 10px;
78          background-color: #f7fbfe; /* Biru sangat muda untuk list */
79          border-radius: 5px;
80     └}
```

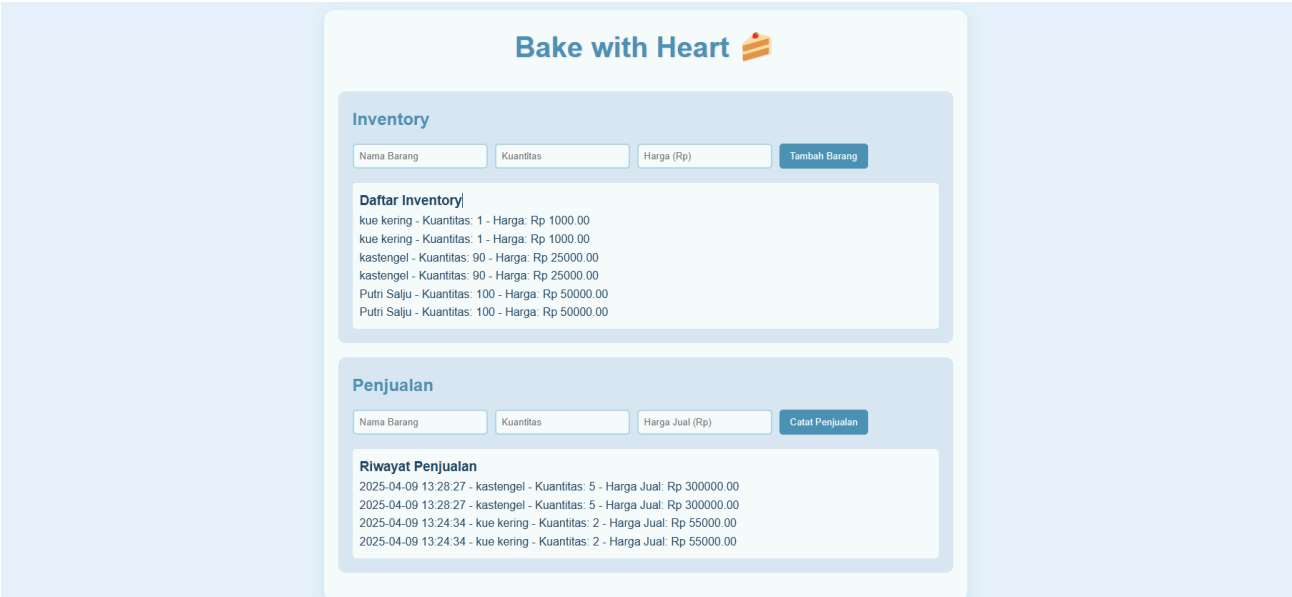Cascade Style Sheets File   length : 1.816   lines : 80   Ln : 80   Col : 2   Pos :

Tabs: style.css · debug.js · script.js · db_connect.php · inventory.php · sales.php · index.html

```javascript
1     // Fungsi debugging dengan console.log
2     function debugFormSubmission(formId, phpFile) {
3          const form = document.getElementById(formId);
4          form.addEventListener('submit', (e) => {
5              const formData = new FormData(form);
6              console.log(`Mengirim data ke ${phpFile}:`, [...formData]);
7              fetch(phpFile, {
8                  method: 'POST',
9                  body: formData
10             })
11             .then(response => response.text())
12             .then(data => {
13                 console.log(`Respons dari ${phpFile}:`, data);
14             })
15             .catch(error => {
16                 console.error('Error:', error);
17             });
18         });
19     }
20
21     // Aktifkan debugging untuk kedua form
22     debugFormSubmission('inventoryForm', 'includes/inventory.php');
23     debugFormSubmission('salesForm', 'includes/sales.php');
```

```php
<?php
include 'db_connect.php';

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $item_name = $_POST['item_name'];
    $quantity = $_POST['quantity'];
    $price = $_POST['price'];

    $stmt = $conn->prepare("INSERT INTO inventory (item_name, quantity, price) VALUES (?, ?, ?) ON DUPLICATE KEY UPDATE quantity = quantity + ?");
    $stmt->bind_param("sidd", $item_name, $quantity, $price, $quantity);
    $stmt->execute();
    $stmt->close();
}

$sql = "SELECT * FROM inventory";
$result = $conn->query($sql);

echo "<h3>Daftar Inventory</h3>";
if ($result->num_rows > 0) {
    while($row = $result->fetch_assoc()) {
        echo "<p>{$row['item_name']} - Kuantitas: {$row['quantity']} - Harga: Rp {$row['price']}</p>";
    }
} else {
    echo "<p>Belum ada barang di inventory.</p>";
}

$conn->close();
?>
```

```javascript
document.addEventListener('DOMContentLoaded', () => {
    fetchInventory();
    fetchSales();

    document.getElementById('inventoryForm').addEventListener('submit', (e) => {
        e.preventDefault();
        const formData = new FormData(e.target);
        fetch('includes/inventory.php', {
            method: 'POST',
            body: formData
        })
        .then(() => {
            fetchInventory();
            e.target.reset();
        });
    });

    document.getElementById('salesForm').addEventListener('submit', (e) => {
        e.preventDefault();
        const formData = new FormData(e.target);
        fetch('includes/sales.php', {
            method: 'POST',
            body: formData
        })
        .then(() => {
            fetchSales();
            fetchInventory();
            e.target.reset();
        });
    });
});

function fetchInventory() {
    fetch('includes/inventory.php')
        .then(response => response.text())
```

- Membuka link http://localhost/bake-with-heart/
- Mencoba memasukkan item-item ke aplikasinya, apakah sudah bisa atau belum

Tampilan akhir dari aplikasi inventory management "bake-with heart"