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Tugas Bab 5

```html
<!DOCTYPE html>

<html lang="id" data-bs-theme="light">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Dashboard Reservasi Ruangan UMKLA - V2.0</title>


    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css">

    <script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>


    <style>
        /* CSS Semantik & Tema (Bab II) */
        :root {
            --color-umkla-green: #1e7a4b;
            --color-primary: var(--color-umkla-green);
        }


        /* Layout Sidebar (Implementasi Grid/Flexbox Lanjutan) */
```

```css
#sidebar {

    height: 100vh;

    width: 280px;

    position: fixed;

    top: 0;

    left: 0;

    z-index: 1000;

    padding-top: 5rem;

    background-color: #212529; /* Dark Mode Sidebar */

    color: white;

}


/* Konten Utama */

#main-content {

    margin-left: 280px; /* Kompensasi lebar sidebar */

    padding: 20px;

}


/* Styling Navigasi Sidebar */

.sidebar-link {

    padding: 10px 20px;

    display: block;

    color: rgba(255, 255, 255, 0.75);

    text-decoration: none;
```

```css
        transition: background-color 0.3s; /* Transisi CSS (Bab II) */

    }

    .sidebar-link:hover {

        background-color: rgba(255, 255, 255, 0.1);

        color: white;

    }

    .sidebar-link.active {

        background-color: var(--color-primary);

        color: white;

        font-weight: bold;

        border-radius: 5px;

    }


    /* Kartu Interaktif */

    .data-card {

        transition: transform 0.3s, box-shadow 0.3s;

    }

    .data-card:hover {

        transform: translateY(-5px);

        box-shadow: 0 0.75rem 1.5rem rgba(0, 0, 0, 0.15) !important;

    }

</style>

</head>
```

```html
<body data-bs-spy="scroll" data-bs-target="#sidebar-nav" data-bs-smooth-scroll="true" tabindex="0">

    <nav id="sidebar" class="d-flex flex-column p-3 shadow-lg">

        <a href="#" class="navbar-brand text-white mb-4 fs-4 fw-bold text-center">

            <i class="fas fa-calendar-alt me-2"></i> SIM Reservasi

        </a>

        <div id="sidebar-nav" class="nav flex-column nav-pills w-100">

            <a class="sidebar-link active" href="#dashboard"><i class="fas fa-home me-2"></i> Dashboard</a>

            <a class="sidebar-link" href="#reservasi-form"><i class="fas fa-edit me-2"></i> Ajukan Reservasi</a>

            <a class="sidebar-link" href="#jadwal-aktif"><i class="fas fa-list-alt me-2"></i> Jadwal Aktif</a>

            <hr class="text-white-50 my-2">

            <a class="sidebar-link" href="#"><i class="fas fa-user-circle me-2"></i> Profil Admin</a>

        </div>

    </nav>

    <div id="main-content">

        <nav class="navbar bg-light mb-5 border-bottom sticky-top" style="margin-left:-20px; margin-right:-20px; padding: 15px 30px;">

            <span class="navbar-text fs-5 fw-bold text-dark">Sistem Reservasi Ruangan Universitas Muhammadiyah Klaten</span>

        </nav>
```

```html
<section id="dashboard" class="mb-5 pt-4">

    <h2 class="mb-4 text-primary"><i class="fas fa-chart-line me-2"></i> Ringkasan Sistem</h2>


    <div class="row">

      <div class="col-lg-4 col-md-6 mb-4">

        <div class="card data-card bg-info text-white shadow">

          <div class="card-body">

            <div class="d-flex justify-content-between align-items-center">

              <div><h5 class="card-title">Total Ruangan</h5><h1 class="display-4 fw-bold">15</h1></div>

                <i class="fas fa-building fa-3x opacity-50"></i>

            </div>

          </div>

        </div>

      </div>

      <div class="col-lg-4 col-md-6 mb-4">

        <div class="card data-card bg-danger text-white shadow">

          <div class="card-body">

            <div class="d-flex justify-content-between align-items-center">

              <div><h5 class="card-title">Ruangan Terpakai Hari Ini</h5><h1 class="display-4 fw-bold" id="ruanganTerpakai">...</h1></div>

                <i class="fas fa-times-circle fa-3x opacity-50"></i>

            </div>
```

```html
            </div>

          </div>

        </div>

        <div class="col-lg-4 col-md-12 mb-4">

          <div class="card data-card bg-success text-white shadow">

            <div class="card-body">

              <div class="d-flex justify-content-between align-items-center">

                <div><h5 class="card-title">Ruangan Tersedia</h5><h1 class="display-4 fw-bold" id="ruanganTersedia">...</h1></div>

                <i class="fas fa-check-circle fa-3x opacity-50"></i>

              </div>

            </div>

          </div>

        </div>

      </div>

    </section>


    <section id="reservasi-form" class="mb-5 pt-4">

      <h2 class="mb-4 text-primary"><i class="fas fa-calendar-plus me-2"></i> Ajukan Reservasi Baru</h2>


      <div class="card shadow-sm border-primary">

        <div class="card-body">

          <form id="reservationForm" class="row g-3">

            <div class="col-md-6">
```

```html
          <label for="namaPenyelenggara" class="form-label">Nama
Peminjam/Unit</label>

          <input type="text" class="form-control" id="namaPenyelenggara" required>

        </div>

        <div class="col-md-6">

          <label for="ruangan" class="form-label">Pilih Ruangan</label>

          <select class="form-select" id="ruangan" required>

            <option value="" selected disabled>Pilih Ruangan...</option>

            <option value="A.201">A.201 (Lab Komputer)</option>

            <option value="A.202">A.202 (Ruang Kuliah Besar)</option>

            <option value="B.305">B.305 (Ruang Rapat)</option>

          </select>

        </div>

        <div class="col-md-4">

          <label for="tanggal" class="form-label">Tanggal</label>

          <input type="date" class="form-control" id="tanggal" required>

        </div>

        <div class="col-md-4">

          <label for="jamMulai" class="form-label">Jam Mulai</label>

          <input type="time" class="form-control" id="jamMulai" required>

        </div>

        <div class="col-md-4">

          <label for="jamSelesai" class="form-label">Jam Selesai</label>

          <input type="time" class="form-control" id="jamSelesai" required>
```

```html
        </div>

        <div class="col-12 mt-4">

            <button type="submit" class="btn btn-primary btn-lg"><i class="fas fa-paper-plane me-2"></i> Ajukan Permintaan Reservasi</button>

        </div>

      </form>

    </div>

  </div>

</section>


<section id="jadwal-aktif" class="mb-5 pt-4">

  <h2 class="mb-4 text-primary"><i class="fas fa-clock me-2"></i> Jadwal Reservasi Aktif Hari Ini</h2>


    <div class="card shadow-sm border-success">

      <div class="card-header bg-success text-white fw-bold d-flex justify-content-between align-items-center">

          Data Reservasi Saat Ini

          <button id="loadJadwal" class="btn btn-sm btn-light text-success data-card"><i class="fas fa-sync-alt me-1"></i> Refresh Data</button>

      </div>

      <div class="card-body">

        <div class="table-responsive">

          <table class="table table-striped table-hover">

            <thead class="bg-light">

              <tr>
```

```html
                    <th>#</th>
                    <th>Ruangan</th>
                    <th>Kegiatan</th>
                    <th>Unit Peminjam</th>
                    <th>Waktu</th>
                    <th>Status</th>
                </tr>
            </thead>
            <tbody id="jadwalTableBody">
                <tr><td colspan="6" class="text-center text-muted">Tekan tombol 'Refresh Data' di atas untuk memuat jadwal aktif.</td></tr>
            </tbody>
        </table>
    </div>
    </div>
    </div>
</section>


<div style="height: 100px;"></div>


</div> <script>
    $(document).ready(function() {


        // --- DATA SIMULASI DATABASE ---
```

```javascript
const dataJadwalSimulasi = [

    { id: 1, ruangan: "A.201", kegiatan: "Workshop Rekayasa Web", unit: "HIMA TI", waktu:
"08:00 - 10:00", status: "Terpakai" },

    { id: 2, ruangan: "B.305", kegiatan: "Rapat Kordinasi Dosen", unit: "Prodi TI", waktu:
"10:30 - 12:00", status: "Terpakai" },

    { id: 3, ruangan: "A.202", kegiatan: "Kuliah Umum", unit: "BEM Kampus", waktu:
"13:00 - 15:30", status: "Menunggu" },

];


// 1. FUNGSI AJAX MUAT DATA JADWAL (Bab V & Simulasi Database)

function loadJadwalData() {

    const $button = $('#loadJadwal');

    const $spinner = $('#jadwalSpinner');

    const $tableBody = $('#jadwalTableBody');


    $spinner.removeClass('d-none');

    $button.prop('disabled', true);

    $tableBody.html('<tr><td colspan="6" class="text-center"><i class="fas fa-spinner fa-
spin me-2"></i>Memuat data reservasi...</td></tr>');


    // Simulasi AJAX asinkron

    setTimeout(function() {

        let tableRows = '';

        let terpakaiCount = 0;


        // JS Loop via $.each (Bab III)
```

```javascript
$.each(dataJadwalSimulasi, function(index, item) {

    const statusColor = item.status === 'Terpakai' ? 'bg-danger' : 'bg-warning text-dark';

    if (item.status === 'Terpakai') { terpakaiCount++; }

    tableRows += `
      <tr>
        <td>${item.id}</td>
        <td><span class="fw-bold">${item.ruangan}</span></td>
        <td>${item.kegiatan}</td>
        <td>${item.unit}</td>
        <td>${item.waktu}</td>
        <td><span class="badge ${statusColor}">${item.status}</span></td>
      </tr>
    `;
});

// DOM Manipulation (Bab IV)
$tableBody.html(tableRows);
$('#ruanganTerpakai').text(terpakaiCount);
$('#ruanganTersedia').text(15 - terpakaiCount);

// Update status tombol
$button.text(`Data Dimuat (${dataJadwalSimulasi.length} Kegiatan)`);
```

```
        $spinner.addClass('d-none');

        $button.prop('disabled', false);

    }, 1000); // 1 detik delay

}


// Trigger pemuatan data saat halaman dimuat (untuk mengisi Dashboard Ringkasan)

loadJadwalData();


// Tombol refresh manual

$('#loadJadwal').click(loadJadwalData);


// 2. FUNGSI FORM RESERVASI & VALIDASI (Bab III: JS Dasar)

$('#reservationForm').submit(function(event) {

    event.preventDefault();


    const ruangan = $('#ruangan').val();


    // Validasi JS Dasar (Bab III)

    if (!$('#namaPenyelenggara').val().trim() || !ruangan) {

        alert("□ Harap isi semua kolom.");

        return;

    }


    // Feedback (Simulasi Callback/AJAX POST)
```

```javascript
        alert(`⚠ Reservasi Ruangan ${ruangan} berhasil diajukan! Permintaan akan diproses admin.`);


        // Tambahkan data baru ke simulasi (jika Anda ingin melihatnya muncul setelah refresh)

        const newId = dataJadwalSimulasi.length + 1;

        dataJadwalSimulasi.push({

            id: newId,

            ruangan: ruangan,

            kegiatan: "Reservasi Baru",

            unit: $('#namaPenyelenggara').val().trim(),

            waktu: `${$('#jamMulai').val()} - ${$('#jamSelesai').val()}`,

            status: "Menunggu"

        });


        // Reset Form

        this.reset();


        // Muat ulang jadwal untuk melihat item yang baru (AJAX)

        loadJadwalData();

    });

});


// --- Navigasi Sederhana Scroll (Bab II: HTML Semantik) ---

document.querySelectorAll('.sidebar-link').forEach(anchor => {
```

```
        anchor.addEventListener('click', function (e) {

            e.preventDefault();

            document.querySelector(this.getAttribute('href')).scrollIntoView({

                behavior: 'smooth'

            });

        });

    });

</script>


    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>
```