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|  | Department of Information Technology, Malang State Polytechnic  **Jobsheet-11: PHP – Structural Dynamic Web**  **Web Design and Programming Courses**  Tutor: Web Design and Programming Teaching Team  *November 2024* |

**DIMAS ARYA SADEWA**

**2341760173 – 08**

**SIB 2G**

**Topic**

* Structural Dynamic Web Develompment Concept with Modular

**Purpose**

Students are expected to:

1. Students are able to create PHP hashing functions
2. Students are able to create and fill in tables of users, members, and positions
3. Students are able to create login and logout pages
4. Students are able to create the main page, users, members, and positions
5. Students are able to create code in a modular manner

**Attention**

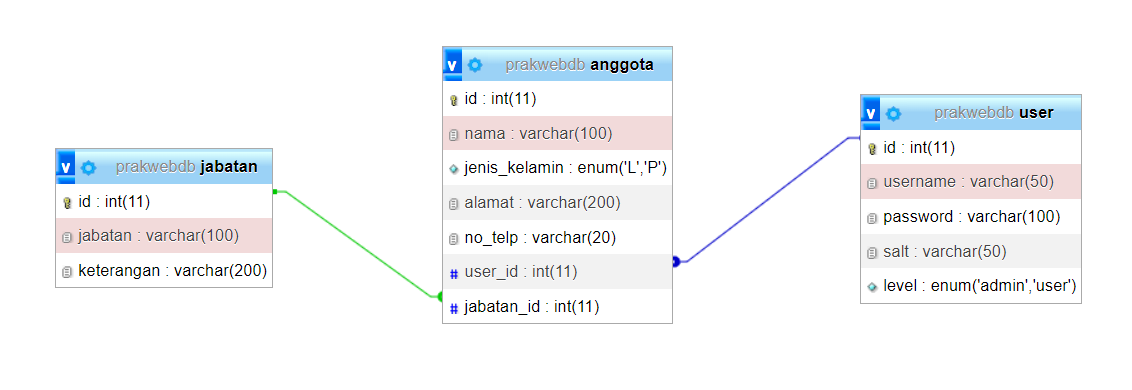
This jobsheet must be done step-by-step according to the Practical Sectionsteps that have been given. Questions can be answered directly in the column provided using the PDF Editor.

**Introduction**

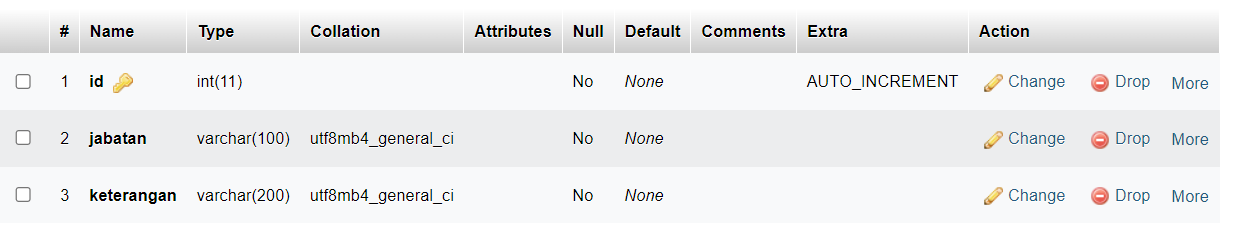
**Database Structure**

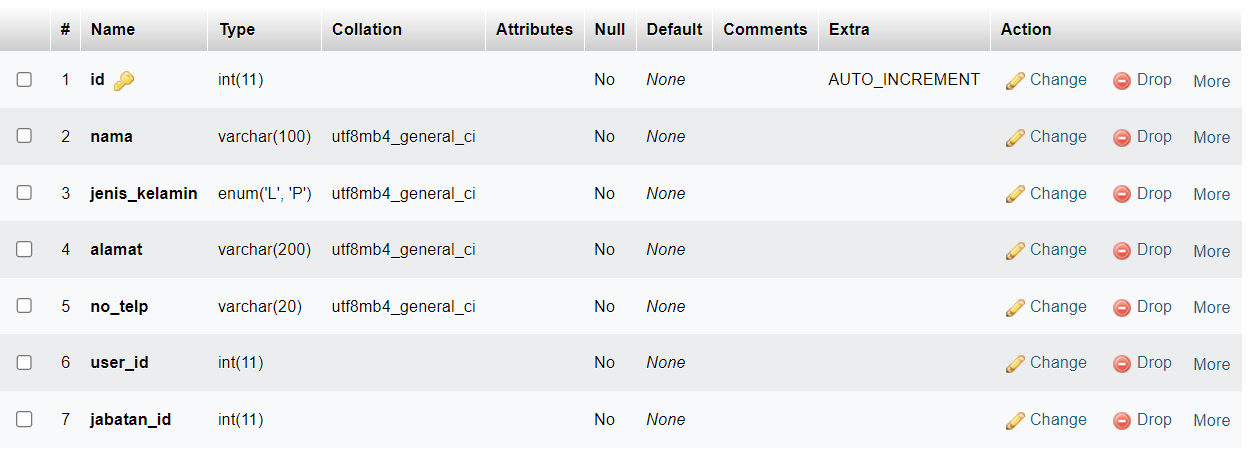
The database design that will be created consists of three tables, including **positions, members,** and **users.** Below is an example of a series of databases that will be created:

Below is the structure of the job title table:

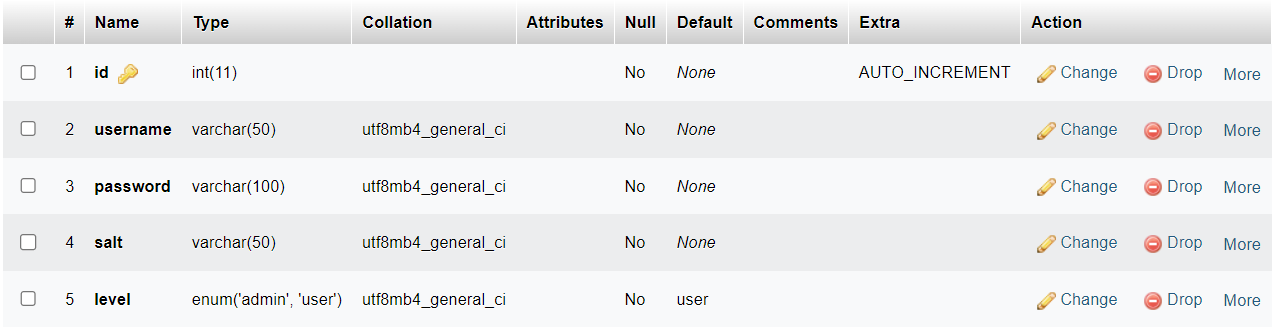


Below is the structure of the **member table**:

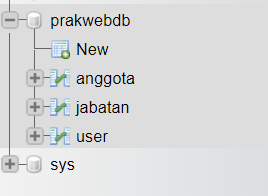


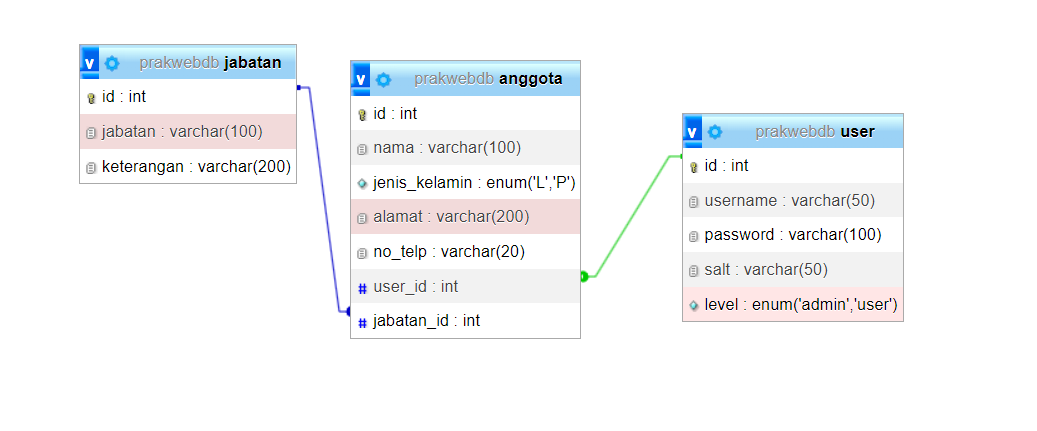


Below is the structure of the **user table**:



My Work





**Folder Structure and File Contents**

The diagram above is the structure of folders and files in the worksheet this time. For blue boxes in the form of folders, while green boxes are in the form of php type files. As can be seen above, it is a modular series of work. There is one folder that does not have a hierarchy, namely the assets folder **,** so to complete the contents of the folder, please download it at the following link

<https://drive.google.com/file/d/1uwJP5eoT9AsOVqtxCoDulhhCHGKJZCGm/view?usp=sharing>

**Practical Section1. Topmost Folder and File Structure**

|  |  |
| --- | --- |
| **Step** | **Information** |
| 1 | Create multiple folders with admin **, template, assets, config,** and **function provisions.** Then create a new file with the name index.php. |
| 2 | Type into the **index.php** file the code below. |
| 3 |  |
| 4 | Next, create a new file, which is **login.php** and type the code below.   |  | | --- | | <?php  if (session\_status() === PHP\_SESSION\_NONE)      session\_start();  include "fungsi/**pesan\_kilat.php**";  ?>  <!doctype html>  <html lang="en" data-bs-theme="auto">  <head>      <script src="assets/js/color-modes.js"></script>      <meta charset="utf-8">      <meta name="viewport" content="width=device-width, initial-scale=1">      <meta name="description" content="">      <meta name="author" content="Mark Otto, Jacob Thornton, and Bootstrap contributors">      <meta name="generator" content="Hugo 0.118.2">      <title>Aplikasi Kantor Siapa</title>      <link rel="canonical" href="https://getbootstrap.com/docs/5.3/examples/sign-in/">      <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/@docsearch/css@3">      <link rel="icon" href="assets/img/favicons/favicon.ico">      <link href="assets/dist/css/bootstrap.min.css" rel="stylesheet">      <style>          .bd-placeholder-img {              font-size: 1.125rem;              text-anchor: middle;              -webkit-user-select: none;              -moz-user-select: none;              user-select: none;          }          @media (min-width: 768px) {              .bd-placeholder-img-lg {                  font-size: 3.5rem;              }          }          .b-example-divider {              width: 100%;              height: 3rem;              background-color: rgba(0, 0, 0, .1);              border: solid rgba(0, 0, 0, .15);              border-width: 1px 0;              box-shadow: inset 0 .5em 1.5em rgba(0, 0, 0, .1), inset 0 .125em .5em rgba(0, 0, 0, .15);          }          .b-example-vr {              flex-shrink: 0;              width: 1.5rem;              height: 100vh;          }          .bi {              vertical-align: -.125em;              fill: currentColor;          }          .nav-scroller {              position: relative;              z-index: 2;              height: 2.75rem;              overflow-y: hidden;          }          .nav-scroller .nav {              display: flex;              flex-wrap: nowrap;              padding-bottom: 1rem;              margin-top: -1px;              overflow-x: auto;              text-align: center;              white-space: nowrap;              -webkit-overflow-scrolling: touch;          }          .btn-bd-primary {              --bd-violet-bg: #712cf9;              --bd-violet-rgb: 112.520718, 44.062154, 249.437846;              --bs-btn-font-weight: 600;              --bs-btn-color: var(--bs-white);              --bs-btn-bg: var(--bd-violet-bg);              --bs-btn-border-color: var(--bd-violet-bg);              --bs-btn-hover-color: var(--bs-white);              --bs-btn-hover-bg: #6528e0;              --bs-btn-hover-border-color: #6528e0;              --bs-btn-focus-shadow-rgb: var(--bd-violet-rgb);              --bs-btn-active-color: var(--bs-btn-hover-color);              --bs-btn-active-bg: #5a23c8;              --bs-btn-active-border-color: #5a23c8;          }          .bd-mode-toggle {              z-index: 1500;          }          .bd-mode-toggle .dropdown-menu .active .bi {              display: block !important;          }      </style>      <!-- Custom styles for this template -->      <link href="assets/custom/sign-in.css" rel="stylesheet">  </head>  <body class="d-flex align-items-center py-4 bg-body-tertiary">      <svg xmlns="http://www.w3.org/2000/svg" class="d-none">          <symbol id="check2" viewBox="0 0 16 16">              <path d="M13.854 3.646a.5.5 0 0 1 0 .708l-7 7a.5.5 0 0 1-.708 0l-3.5-3.5a.5.5 0 1 1 .708-.708L6.5 10.293l6.646-6.647a.5.5 0 0 1 .708 0z" />          </symbol>          <symbol id="circle-half" viewBox="0 0 16 16">              <path d="M8 15A7 7 0 1 0 8 1v14zm0 1A8 8 0 1 1 8 0a8 8 0 0 1 0 16z" />          </symbol>          <symbol id="moon-stars-fill" viewBox="0 0 16 16">              <path d="M6 .278a.768.768 0 0 1 .08.858 7.208 7.208 0 0 0-.878 3.46c0 4.021 3.278 7.277 7.318 7.277.527 0 1.04-.055 1.533-.16a.787.787 0 0 1 .81.316.733.733 0 0 1-.031.893A8.349 8.349 0 0 1 8.344 16C3.734 16 0 12.286 0 7.71 0 4.266 2.114 1.312 5.124.06A.752.752 0 0 1 6 .278z" />              <path d="M10.794 3.148a.217.217 0 0 1 .412 0l.387 1.162c.173.518.579.924 1.097 1.097l1.162.387a.217.217 0 0 1 0 .412l-1.162.387a1.734 1.734 0 0 0-1.097 1.097l-.387 1.162a.217.217 0 0 1-.412 0l-.387-1.162A1.734 1.734 0 0 0 9.31 6.593l-1.162-.387a.217.217 0 0 1 0-.412l1.162-.387a1.734 1.734 0 0 0 1.097-1.097l.387-1.162zM13.863.099a.145.145 0 0 1 .274 0l.258.774c.115.346.386.617.732.732l.774.258a.145.145 0 0 1 0 .274l-.774.258a1.156 1.156 0 0 0-.732.732l-.258.774a.145.145 0 0 1-.274 0l-.258-.774a1.156 1.156 0 0 0-.732-.732l-.774-.258a.145.145 0 0 1 0-.274l.774-.258c.346-.115.617-.386.732-.732L13.863.1z" />          </symbol>          <symbol id="sun-fill" viewBox="0 0 16 16">              <path d="M8 12a4 4 0 1 0 0-8 4 4 0 0 0 0 8zM8 0a.5.5 0 0 1 .5.5v2a.5.5 0 0 1-1 0v-2A.5.5 0 0 1 8 0zm0 13a.5.5 0 0 1 .5.5v2a.5.5 0 0 1-1 0v-2A.5.5 0 0 1 8 13zm8-5a.5.5 0 0 1-.5.5h-2a.5.5 0 0 1 0-1h2a.5.5 0 0 1 .5.5zM3 8a.5.5 0 0 1-.5.5h-2a.5.5 0 0 1 0-1h2A.5.5 0 0 1 3 8zm10.657-5.657a.5.5 0 0 1 0 .707l-1.414 1.415a.5.5 0 1 1-.707-.708l1.414-1.414a.5.5 0 0 1 .707 0zm-9.193 9.193a.5.5 0 0 1 0 .707L3.05 13.657a.5.5 0 0 1-.707-.707l1.414-1.414a.5.5 0 0 1 .707 0zm9.193 2.121a.5.5 0 0 1-.707 0l-1.414-1.414a.5.5 0 0 1 .707-.707l1.414 1.414a.5.5 0 0 1 0 .707zM4.464 4.465a.5.5 0 0 1-.707 0L2.343 3.05a.5.5 0 1 1 .707-.707l1.414 1.414a.5.5 0 0 1 0 .708z" />          </symbol>      </svg>      <div class="dropdown position-fixed bottom-0 end-0 mb-3 me-3 bd-mode-toggle">          <button class="btn btn-bd-primary py-2 dropdown-toggle d-flex align-items-center" id="bd-theme" type="button" aria-expanded="false" data-bs-toggle="dropdown" aria-label="Toggle theme (auto)">              <svg class="bi my-1 theme-icon-active" width="1em" height="1em">                  <use href="#circle-half"></use>              </svg>              <span class="visually-hidden" id="bd-theme-text">Toggle theme</span>          </button>          <ul class="dropdown-menu dropdown-menu-end shadow" aria-labelledby="bd-theme-text">              <li>                  <button type="button" class="dropdown-item d-flex align-items-center" data-bs-theme-value="light" aria-pressed="false">                      <svg class="bi me-2 opacity-50 theme-icon" width="1em" height="1em">                          <use href="#sun-fill"></use>                      </svg>                      Light                      <svg class="bi ms-auto d-none" width="1em" height="1em">                          <use href="#check2"></use>                      </svg>                  </button>              </li>              <li>                  <button type="button" class="dropdown-item d-flex align-items-center" data-bs-theme-value="dark" aria-pressed="false">                      <svg class="bi me-2 opacity-50 theme-icon" width="1em" height="1em">                          <use href="#moon-stars-fill"></use>                      </svg>                      Dark                      <svg class="bi ms-auto d-none" width="1em" height="1em">                          <use href="#check2"></use>                      </svg>                  </button>              </li>              <li>                  <button type="button" class="dropdown-item d-flex align-items-center active" data-bs-theme-value="auto" aria-pressed="true">                      <svg class="bi me-2 opacity-50 theme-icon" width="1em" height="1em">                          <use href="#circle-half"></use>                      </svg>                      Auto                      <svg class="bi ms-auto d-none" width="1em" height="1em">                          <use href="#check2"></use>                      </svg>                  </button>              </li>          </ul>      </div>      <main class="form-signin w-100 m-auto">          <form action="**cek\_login.php**" method="post">              <img class="mb-4" src="assets/brand/bootstrap-logo.svg" alt="" width="72" height="57">              <h1 class="h3 mb-3 fw-normal">Lakukan Login</h1>              <?php if (isset($\_SESSION['\_flashdata'])) {                  foreach ($\_SESSION['\_flashdata'] as $key => $val) {                      echo get\_flashdata($key);                  }              }              ?>              <div class="form-floating">                  <input type="text" class="form-control" name="username" placeholder="Username" required>                  <label>Username</label>              </div>              <div class="form-floating">                  <input type="password" class="form-control" name="password" placeholder="Password" required>                  <label>Password</label>              </div>              <button class="btn btn-primary w-100 py-2" type="submit">Masuk</button>              <p class="mt-5 mb-3 text-body-secondary">&copy; 2017–2023</p>          </form>      </main>      <script src="assets/dist/js/bootstrap.bundle.min.js"></script>  </body>  </html> |     If you are tired of typing it, you can download it at  "https://github.com/twbs/bootstrap/releases/download/v5.3.2/bootstrap-5.3.2-examples.zip"  And look for sign-in views |
| 5 | Next, create a new file, which is **cek\_login.php** and type the code below.    What do you understand from the code above. Record below your understanding. (Question No 1.1)   **Password Verification**: Instead of manually combining the salt and password, the password\_verify function is used directly with the stored password hash. This assumes you are storing the password hash using password\_hash which automatically handles salting.   **Sanitization and Security**: sanitizing user input via the antiinjection function to prevent SQL injection, which is good practice.   **Redirection and Error Messages**: If the login fails, the user is redirected back to the login page with an error message via the pesan function. |
| 6 | Next, create a new file, which is **logout.php** and type the code below. |
| 7 | Next, create a new folder, namely **config** and a new file, namely config/**koneksi.php** and type the code below. |

**Practical Section2. Function Folder**

|  |  |
| --- | --- |
| **Step** | **Information** |
| 1 | Create one new folder with name fungsi and a new file named fungsi/**anti\_injection.php**. Type the code as below. |
| 2 |  |
| 3 | What do you understand from the code above. Record below your understanding. (Question No 2.1)   **logout.php**:   * This script starts a session if it's not already started (session\_start()), then destroys the session using session\_destroy(). * After the session is destroyed, it redirects the user to index.php using the header('location:index.php'); command. This is typically used to log out users and send them back to the homepage.    **koneksi.php**:   * This script sets the default timezone to "Asia/Jakarta" using date\_default\_timezone\_set(). * It then establishes a connection to the MySQL database using mysqli\_connect(), with parameters for the server, username, password, and database name (prakwebdb). * If the connection fails, it will display an error message using mysqli\_connect\_errno() and mysqli\_connect\_error().    **antiinjection.php**:   * This function, antiinjection(), is designed to prevent SQL injection attacks. * It takes two parameters: $koneksi (the database connection) and $data (the user input or data to be sanitized). * The function applies several security measures to the input data:   + htmlspecialchars() converts special characters to HTML entities.   + strip\_tags() removes any HTML or PHP tags.   + stripslashes() removes any slashes from the data (useful for data that may be escaped).   + mysqli\_real\_escape\_string() ensures that any special characters in the input are escaped correctly to prevent SQL injection attacks. * The sanitized data is then returned. |
| 4 | Create a new file on the fungsi folder with the name fungsi/**pesan\_kilat.php**. Type the code as below. |
| 5 | What do you understand from the code above. Record below your understanding. (Question No 2.2)   **Session Start**:   * session\_start(); initializes the session, allowing data to be stored in $\_SESSION and accessed throughout the user's session.    **set\_flashdata($key, $value)**:   * This function stores a message temporarily in the session under the '\_flashdata' key with a specific subkey ($key). If both $key and $value are provided, the function sets the message and returns true. Otherwise, it returns false.    **get\_flashdata($key)**:   * This function retrieves and deletes a flash message stored in $\_SESSION['\_flashdata'] using the specified $key. If the flash message exists, it returns the message and removes it from the session. If it doesn't exist, an alert is shown in the browser indicating that the flash message with that key is not defined, and the function returns null.    **pesan($key, $pesan)**:   * This function creates specific types of flash messages. It takes two parameters: $key (type of message) and $pesan (message content). * Depending on $key, it calls set\_flashdata() with HTML for various Bootstrap alert types:   + **info**: For informational messages.   + **success**: For success messages.   + **danger**: For error messages.   + **warning**: For warning messages. |

**Practical Section3. Template Folders**

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| --- | --- |
| **Step** | **Information** |
| 1 | Create a new folder template inside admin folder and a new file named template/**header.php**. Type the code as below.   |  | | --- | | <!doctype html>  <html lang="en" data-bs-theme="auto">  <head>      <script src="assets/js/color-modes.js"></script>      <meta charset="utf-8">      <meta name="viewport" content="width=device-width, initial-scale=1">      <meta name="description" content="">      <meta name="author" content="Mark Otto, Jacob Thornton, and Bootstrap contributors">      <meta name="generator" content="Hugo 0.118.2">      <title>Aplikasi Kantor Siapa</title>      <link href="assets/font-awesome/css/font-awesome.css" rel="stylesheet" />      <link rel="canonical" href="https://getbootstrap.com/docs/5.3/examples/dashboard/">        <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/@docsearch/css@3">      <link href="assets/dist/css/bootstrap.min.css" rel="stylesheet">      <style>          .bd-placeholder-img {              font-size: 1.125rem;              text-anchor: middle;              -webkit-user-select: none;              -moz-user-select: none;              user-select: none;          }          @media (min-width: 768px) {              .bd-placeholder-img-lg {                  font-size: 3.5rem;              }          }          .b-example-divider {              width: 100%;              height: 3rem;              background-color: rgba(0, 0, 0, .1);              border: solid rgba(0, 0, 0, .15);              border-width: 1px 0;              box-shadow: inset 0 .5em 1.5em rgba(0, 0, 0, .1), inset 0 .125em .5em rgba(0, 0, 0, .15);          }          .b-example-vr {              flex-shrink: 0;              width: 1.5rem;              height: 100vh;          }          .bi {              vertical-align: -.125em;              fill: currentColor;          }          .nav-scroller {              position: relative;              z-index: 2;              height: 2.75rem;              overflow-y: hidden;          }          .nav-scroller .nav {              display: flex;              flex-wrap: nowrap;              padding-bottom: 1rem;              margin-top: -1px;              overflow-x: auto;              text-align: center;              white-space: nowrap;              -webkit-overflow-scrolling: touch;          }          .btn-bd-primary {              --bd-violet-bg: #712cf9;              --bd-violet-rgb: 112.520718, 44.062154, 249.437846;              --bs-btn-font-weight: 600;              --bs-btn-color: var(--bs-white);              --bs-btn-bg: var(--bd-violet-bg);              --bs-btn-border-color: var(--bd-violet-bg);              --bs-btn-hover-color: var(--bs-white);              --bs-btn-hover-bg: #6528e0;              --bs-btn-hover-border-color: #6528e0;              --bs-btn-focus-shadow-rgb: var(--bd-violet-rgb);              --bs-btn-active-color: var(--bs-btn-hover-color);              --bs-btn-active-bg: #5a23c8;              --bs-btn-active-border-color: #5a23c8;          }          .bd-mode-toggle {              z-index: 1500;          }          .bd-mode-toggle .dropdown-menu .active .bi {              display: block !important;          }      </style>      <!-- Custom styles for this template -->      <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.10.5/font/bootstrap-icons.min.css" rel="stylesheet">      <!-- Custom styles for this template -->      <link href="assets/custom/dashboard.css" rel="stylesheet">  </head>  <body>      <svg xmlns="http://www.w3.org/2000/svg" class="d-none">          <symbol id="check2" viewBox="0 0 16 16">              <path d="M13.854 3.646a.5.5 0 0 1 0 .708l-7 7a.5.5 0 0 1-.708 0l-3.5-3.5a.5.5 0 1 1 .708-.708L6.5 10.293l6.646-6.647a.5.5 0 0 1 .708 0z" />          </symbol>          <symbol id="circle-half" viewBox="0 0 16 16">              <path d="M8 15A7 7 0 1 0 8 1v14zm0 1A8 8 0 1 1 8 0a8 8 0 0 1 0 16z" />          </symbol>          <symbol id="moon-stars-fill" viewBox="0 0 16 16">              <path d="M6 .278a.768.768 0 0 1 .08.858 7.208 7.208 0 0 0-.878 3.46c0 4.021 3.278 7.277 7.318 7.277.527 0 1.04-.055 1.533-.16a.787.787 0 0 1 .81.316.733.733 0 0 1-.031.893A8.349 8.349 0 0 1 8.344 16C3.734 16 0 12.286 0 7.71 0 4.266 2.114 1.312 5.124.06A.752.752 0 0 1 6 .278z" />              <path d="M10.794 3.148a.217.217 0 0 1 .412 0l.387 1.162c.173.518.579.924 1.097 1.097l1.162.387a.217.217 0 0 1 0 .412l-1.162.387a1.734 1.734 0 0 0-1.097 1.097l-.387 1.162a.217.217 0 0 1-.412 0l-.387-1.162A1.734 1.734 0 0 0 9.31 6.593l-1.162-.387a.217.217 0 0 1 0-.412l1.162-.387a1.734 1.734 0 0 0 1.097-1.097l.387-1.162zM13.863.099a.145.145 0 0 1 .274 0l.258.774c.115.346.386.617.732.732l.774.258a.145.145 0 0 1 0 .274l-.774.258a1.156 1.156 0 0 0-.732.732l-.258.774a.145.145 0 0 1-.274 0l-.258-.774a1.156 1.156 0 0 0-.732-.732l-.774-.258a.145.145 0 0 1 0-.274l.774-.258c.346-.115.617-.386.732-.732L13.863.1z" />          </symbol>          <symbol id="sun-fill" viewBox="0 0 16 16">              <path d="M8 12a4 4 0 1 0 0-8 4 4 0 0 0 0 8zM8 0a.5.5 0 0 1 .5.5v2a.5.5 0 0 1-1 0v-2A.5.5 0 0 1 8 0zm0 13a.5.5 0 0 1 .5.5v2a.5.5 0 0 1-1 0v-2A.5.5 0 0 1 8 13zm8-5a.5.5 0 0 1-.5.5h-2a.5.5 0 0 1 0-1h2a.5.5 0 0 1 .5.5zM3 8a.5.5 0 0 1-.5.5h-2a.5.5 0 0 1 0-1h2A.5.5 0 0 1 3 8zm10.657-5.657a.5.5 0 0 1 0 .707l-1.414 1.415a.5.5 0 1 1-.707-.708l1.414-1.414a.5.5 0 0 1 .707 0zm-9.193 9.193a.5.5 0 0 1 0 .707L3.05 13.657a.5.5 0 0 1-.707-.707l1.414-1.414a.5.5 0 0 1 .707 0zm9.193 2.121a.5.5 0 0 1-.707 0l-1.414-1.414a.5.5 0 0 1 .707-.707l1.414 1.414a.5.5 0 0 1 0 .707zM4.464 4.465a.5.5 0 0 1-.707 0L2.343 3.05a.5.5 0 1 1 .707-.707l1.414 1.414a.5.5 0 0 1 0 .708z" />          </symbol>      </svg>      <div class="dropdown position-fixed bottom-0 end-0 mb-3 me-3 bd-mode-toggle">          <button class="btn btn-bd-primary py-2 dropdown-toggle d-flex align-items-center" id="bd-theme" type="button" aria-expanded="false" data-bs-toggle="dropdown" aria-label="Toggle theme (auto)">              <svg class="bi my-1 theme-icon-active" width="1em" height="1em">                  <use href="#circle-half"></use>              </svg>              <span class="visually-hidden" id="bd-theme-text">Toggle theme</span>          </button>          <ul class="dropdown-menu dropdown-menu-end shadow" aria-labelledby="bd-theme-text">              <li>                  <button type="button" class="dropdown-item d-flex align-items-center" data-bs-theme-value="light" aria-pressed="false">                      <svg class="bi me-2 opacity-50 theme-icon" width="1em" height="1em">                          <use href="#sun-fill"></use>                      </svg>                      Light                      <svg class="bi ms-auto d-none" width="1em" height="1em">                          <use href="#check2"></use>                      </svg>                  </button>              </li>              <li>                  <button type="button" class="dropdown-item d-flex align-items-center" data-bs-theme-value="dark" aria-pressed="false">                      <svg class="bi me-2 opacity-50 theme-icon" width="1em" height="1em">                          <use href="#moon-stars-fill"></use>                      </svg>                      Dark                      <svg class="bi ms-auto d-none" width="1em" height="1em">                          <use href="#check2"></use>                      </svg>                  </button>              </li>              <li>                  <button type="button" class="dropdown-item d-flex align-items-center active" data-bs-theme-value="auto" aria-pressed="true">                      <svg class="bi me-2 opacity-50 theme-icon" width="1em" height="1em">                          <use href="#circle-half"></use>                      </svg>                      Auto                      <svg class="bi ms-auto d-none" width="1em" height="1em">                          <use href="#check2"></use>                      </svg>                  </button>              </li>          </ul>      </div>      <svg xmlns="http://www.w3.org/2000/svg" class="d-none">          <symbol id="calendar3" viewBox="0 0 16 16">              <path d="M14 0H2a2 2 0 0 0-2 2v12a2 2 0 0 0 2 2h12a2 2 0 0 0 2-2V2a2 2 0 0 0-2-2zM1 3.857C1 3.384 1.448 3 2 3h12c.552 0 1 .384 1 .857v10.286c0 .473-.448.857-1 .857H2c-.552 0-1-.384-1-.857V3.857z" />              <path d="M6.5 7a1 1 0 1 0 0-2 1 1 0 0 0 0 2zm3 0a1 1 0 1 0 0-2 1 1 0 0 0 0 2zm3 0a1 1 0 1 0 0-2 1 1 0 0 0 0 2zm-9 3a1 1 0 1 0 0-2 1 1 0 0 0 0 2zm3 0a1 1 0 1 0 0-2 1 1 0 0 0 0 2zm3 0a1 1 0 1 0 0-2 1 1 0 0 0 0 2zm3 0a1 1 0 1 0 0-2 1 1 0 0 0 0 2zm-9 3a1 1 0 1 0 0-2 1 1 0 0 0 0 2zm3 0a1 1 0 1 0 0-2 1 1 0 0 0 0 2zm3 0a1 1 0 1 0 0-2 1 1 0 0 0 0 2z" />          </symbol>          <symbol id="cart" viewBox="0 0 16 16">              <path d="M0 1.5A.5.5 0 0 1 .5 1H2a.5.5 0 0 1 .485.379L2.89 3H14.5a.5.5 0 0 1 .49.598l-1 5a.5.5 0 0 1-.465.401l-9.397.472L4.415 11H13a.5.5 0 0 1 0 1H4a.5.5 0 0 1-.491-.408L2.01 3.607 1.61 2H.5a.5.5 0 0 1-.5-.5zM3.102 4l.84 4.479 9.144-.459L13.89 4H3.102zM5 12a2 2 0 1 0 0 4 2 2 0 0 0 0-4zm7 0a2 2 0 1 0 0 4 2 2 0 0 0 0-4zm-7 1a1 1 0 1 1 0 2 1 1 0 0 1 0-2zm7 0a1 1 0 1 1 0 2 1 1 0 0 1 0-2z" />          </symbol>          <symbol id="chevron-right" viewBox="0 0 16 16">              <path fill-rule="evenodd" d="M4.646 1.646a.5.5 0 0 1 .708 0l6 6a.5.5 0 0 1 0 .708l-6 6a.5.5 0 0 1-.708-.708L10.293 8 4.646 2.354a.5.5 0 0 1 0-.708z" />          </symbol>          <symbol id="door-closed" viewBox="0 0 16 16">              <path d="M3 2a1 1 0 0 1 1-1h8a1 1 0 0 1 1 1v13h1.5a.5.5 0 0 1 0 1h-13a.5.5 0 0 1 0-1H3V2zm1 13h8V2H4v13z" />              <path d="M9 9a1 1 0 1 0 2 0 1 1 0 0 0-2 0z" />          </symbol>          <symbol id="file-earmark" viewBox="0 0 16 16">              <path d="M14 4.5V14a2 2 0 0 1-2 2H4a2 2 0 0 1-2-2V2a2 2 0 0 1 2-2h5.5L14 4.5zm-3 0A1.5 1.5 0 0 1 9.5 3V1H4a1 1 0 0 0-1 1v12a1 1 0 0 0 1 1h8a1 1 0 0 0 1-1V4.5h-2z" />          </symbol>          <symbol id="file-earmark-text" viewBox="0 0 16 16">              <path d="M5.5 7a.5.5 0 0 0 0 1h5a.5.5 0 0 0 0-1h-5zM5 9.5a.5.5 0 0 1 .5-.5h5a.5.5 0 0 1 0 1h-5a.5.5 0 0 1-.5-.5zm0 2a.5.5 0 0 1 .5-.5h2a.5.5 0 0 1 0 1h-2a.5.5 0 0 1-.5-.5z" />              <path d="M9.5 0H4a2 2 0 0 0-2 2v12a2 2 0 0 0 2 2h8a2 2 0 0 0 2-2V4.5L9.5 0zm0 1v2A1.5 1.5 0 0 0 11 4.5h2V14a1 1 0 0 1-1 1H4a1 1 0 0 1-1-1V2a1 1 0 0 1 1-1h5.5z" />          </symbol>          <symbol id="gear-wide-connected" viewBox="0 0 16 16">              <path d="M7.068.727c.243-.97 1.62-.97 1.864 0l.071.286a.96.96 0 0 0 1.622.434l.205-.211c.695-.719 1.888-.03 1.613.931l-.08.284a.96.96 0 0 0 1.187 1.187l.283-.081c.96-.275 1.65.918.931 1.613l-.211.205a.96.96 0 0 0 .434 1.622l.286.071c.97.243.97 1.62 0 1.864l-.286.071a.96.96 0 0 0-.434 1.622l.211.205c.719.695.03 1.888-.931 1.613l-.284-.08a.96.96 0 0 0-1.187 1.187l.081.283c.275.96-.918 1.65-1.613.931l-.205-.211a.96.96 0 0 0-1.622.434l-.071.286c-.243.97-1.62.97-1.864 0l-.071-.286a.96.96 0 0 0-1.622-.434l-.205.211c-.695.719-1.888.03-1.613-.931l.08-.284a.96.96 0 0 0-1.186-1.187l-.284.081c-.96.275-1.65-.918-.931-1.613l.211-.205a.96.96 0 0 0-.434-1.622l-.286-.071c-.97-.243-.97-1.62 0-1.864l.286-.071a.96.96 0 0 0 .434-1.622l-.211-.205c-.719-.695-.03-1.888.931-1.613l.284.08a.96.96 0 0 0 1.187-1.186l-.081-.284c-.275-.96.918-1.65 1.613-.931l.205.211a.96.96 0 0 0 1.622-.434l.071-.286zM12.973 8.5H8.25l-2.834 3.779A4.998 4.998 0 0 0 12.973 8.5zm0-1a4.998 4.998 0 0 0-7.557-3.779l2.834 3.78h4.723zM5.048 3.967c-.03.021-.058.043-.087.065l.087-.065zm-.431.355A4.984 4.984 0 0 0 3.002 8c0 1.455.622 2.765 1.615 3.678L7.375 8 4.617 4.322zm.344 7.646.087.065-.087-.065z" />          </symbol>          <symbol id="graph-up" viewBox="0 0 16 16">              <path fill-rule="evenodd" d="M0 0h1v15h15v1H0V0Zm14.817 3.113a.5.5 0 0 1 .07.704l-4.5 5.5a.5.5 0 0 1-.74.037L7.06 6.767l-3.656 5.027a.5.5 0 0 1-.808-.588l4-5.5a.5.5 0 0 1 .758-.06l2.609 2.61 4.15-5.073a.5.5 0 0 1 .704-.07Z" />          </symbol>          <symbol id="house-fill" viewBox="0 0 16 16">              <path d="M8.707 1.5a1 1 0 0 0-1.414 0L.646 8.146a.5.5 0 0 0 .708.708L8 2.207l6.646 6.647a.5.5 0 0 0 .708-.708L13 5.793V2.5a.5.5 0 0 0-.5-.5h-1a.5.5 0 0 0-.5.5v1.293L8.707 1.5Z" />              <path d="m8 3.293 6 6V13.5a1.5 1.5 0 0 1-1.5 1.5h-9A1.5 1.5 0 0 1 2 13.5V9.293l6-6Z" />          </symbol>          <symbol id="list" viewBox="0 0 16 16">              <path fill-rule="evenodd" d="M2.5 12a.5.5 0 0 1 .5-.5h10a.5.5 0 0 1 0 1H3a.5.5 0 0 1-.5-.5zm0-4a.5.5 0 0 1 .5-.5h10a.5.5 0 0 1 0 1H3a.5.5 0 0 1-.5-.5zm0-4a.5.5 0 0 1 .5-.5h10a.5.5 0 0 1 0 1H3a.5.5 0 0 1-.5-.5z" />          </symbol>          <symbol id="people" viewBox="0 0 16 16">              <path d="M15 14s1 0 1-1-1-4-5-4-5 3-5 4 1 1 1 1h8Zm-7.978-1A.261.261 0 0 1 7 12.996c.001-.264.167-1.03.76-1.72C8.312 10.629 9.282 10 11 10c1.717 0 2.687.63 3.24 1.276.593.69.758 1.457.76 1.72l-.008.002a.274.274 0 0 1-.014.002H7.022ZM11 7a2 2 0 1 0 0-4 2 2 0 0 0 0 4Zm3-2a3 3 0 1 1-6 0 3 3 0 0 1 6 0ZM6.936 9.28a5.88 5.88 0 0 0-1.23-.247A7.35 7.35 0 0 0 5 9c-4 0-5 3-5 4 0 .667.333 1 1 1h4.216A2.238 2.238 0 0 1 5 13c0-1.01.377-2.042 1.09-2.904.243-.294.526-.569.846-.816ZM4.92 10A5.493 5.493 0 0 0 4 13H1c0-.26.164-1.03.76-1.724.545-.636 1.492-1.256 3.16-1.275ZM1.5 5.5a3 3 0 1 1 6 0 3 3 0 0 1-6 0Zm3-2a2 2 0 1 0 0 4 2 2 0 0 0 0-4Z" />          </symbol>          <symbol id="plus-circle" viewBox="0 0 16 16">              <path d="M8 15A7 7 0 1 1 8 1a7 7 0 0 1 0 14zm0 1A8 8 0 1 0 8 0a8 8 0 0 0 0 16z" />              <path d="M8 4a.5.5 0 0 1 .5.5v3h3a.5.5 0 0 1 0 1h-3v3a.5.5 0 0 1-1 0v-3h-3a.5.5 0 0 1 0-1h3v-3A.5.5 0 0 1 8 4z" />          </symbol>          <symbol id="puzzle" viewBox="0 0 16 16">              <path d="M3.112 3.645A1.5 1.5 0 0 1 4.605 2H7a.5.5 0 0 1 .5.5v.382c0 .696-.497 1.182-.872 1.469a.459.459 0 0 0-.115.118.113.113 0 0 0-.012.025L6.5 4.5v.003l.003.01c.004.01.014.028.036.053a.86.86 0 0 0 .27.194C7.09 4.9 7.51 5 8 5c.492 0 .912-.1 1.19-.24a.86.86 0 0 0 .271-.194.213.213 0 0 0 .039-.063v-.009a.112.112 0 0 0-.012-.025.459.459 0 0 0-.115-.118c-.375-.287-.872-.773-.872-1.469V2.5A.5.5 0 0 1 9 2h2.395a1.5 1.5 0 0 1 1.493 1.645L12.645 6.5h.237c.195 0 .42-.147.675-.48.21-.274.528-.52.943-.52.568 0 .947.447 1.154.862C15.877 6.807 16 7.387 16 8s-.123 1.193-.346 1.638c-.207.415-.586.862-1.154.862-.415 0-.733-.246-.943-.52-.255-.333-.48-.48-.675-.48h-.237l.243 2.855A1.5 1.5 0 0 1 11.395 14H9a.5.5 0 0 1-.5-.5v-.382c0-.696.497-1.182.872-1.469a.459.459 0 0 0 .115-.118.113.113 0 0 0 .012-.025L9.5 11.5v-.003a.214.214 0 0 0-.039-.064.859.859 0 0 0-.27-.193C8.91 11.1 8.49 11 8 11c-.491 0-.912.1-1.19.24a.859.859 0 0 0-.271.194.214.214 0 0 0-.039.063v.003l.001.006a.113.113 0 0 0 .012.025c.016.027.05.068.115.118.375.287.872.773.872 1.469v.382a.5.5 0 0 1-.5.5H4.605a1.5 1.5 0 0 1-1.493-1.645L3.356 9.5h-.238c-.195 0-.42.147-.675.48-.21.274-.528.52-.943.52-.568 0-.947-.447-1.154-.862C.123 9.193 0 8.613 0 8s.123-1.193.346-1.638C.553 5.947.932 5.5 1.5 5.5c.415 0 .733.246.943.52.255.333.48.48.675.48h.238l-.244-2.855zM4.605 3a.5.5 0 0 0-.498.55l.001.007.29 3.4A.5.5 0 0 1 3.9 7.5h-.782c-.696 0-1.182-.497-1.469-.872a.459.459 0 0 0-.118-.115.112.112 0 0 0-.025-.012L1.5 6.5h-.003a.213.213 0 0 0-.064.039.86.86 0 0 0-.193.27C1.1 7.09 1 7.51 1 8c0 .491.1.912.24 1.19.07.14.14.225.194.271a.213.213 0 0 0 .063.039H1.5l.006-.001a.112.112 0 0 0 .025-.012.459.459 0 0 0 .118-.115c.287-.375.773-.872 1.469-.872H3.9a.5.5 0 0 1 .498.542l-.29 3.408a.5.5 0 0 0 .497.55h1.878c-.048-.166-.195-.352-.463-.557-.274-.21-.52-.528-.52-.943 0-.568.447-.947.862-1.154C6.807 10.123 7.387 10 8 10s1.193.123 1.638.346c.415.207.862.586.862 1.154 0 .415-.246.733-.52.943-.268.205-.415.39-.463.557h1.878a.5.5 0 0 0 .498-.55l-.001-.007-.29-3.4A.5.5 0 0 1 12.1 8.5h.782c.696 0 1.182.497 1.469.872.05.065.091.099.118.115.013.008.021.01.025.012a.02.02 0 0 0 .006.001h.003a.214.214 0 0 0 .064-.039.86.86 0 0 0 .193-.27c.14-.28.24-.7.24-1.191 0-.492-.1-.912-.24-1.19a.86.86 0 0 0-.194-.271.215.215 0 0 0-.063-.039H14.5l-.006.001a.113.113 0 0 0-.025.012.459.459 0 0 0-.118.115c-.287.375-.773.872-1.469.872H12.1a.5.5 0 0 1-.498-.543l.29-3.407a.5.5 0 0 0-.497-.55H9.517c.048.166.195.352.463.557.274.21.52.528.52.943 0 .568-.447.947-.862 1.154C9.193 5.877 8.613 6 8 6s-1.193-.123-1.638-.346C5.947 5.447 5.5 5.068 5.5 4.5c0-.415.246-.733.52-.943.268-.205.415-.39.463-.557H4.605z" />          </symbol>          <symbol id="search" viewBox="0 0 16 16">              <path d="M11.742 10.344a6.5 6.5 0 1 0-1.397 1.398h-.001c.03.04.062.078.098.115l3.85 3.85a1 1 0 0 0 1.415-1.414l-3.85-3.85a1.007 1.007 0 0 0-.115-.1zM12 6.5a5.5 5.5 0 1 1-11 0 5.5 5.5 0 0 1 11 0z" />          </symbol>      </svg>      <header class="navbar sticky-top bg-dark flex-md-nowrap p-0 shadow" data-bs-theme="dark">          <a class="navbar-brand col-md-3 col-lg-2 me-0 px-3 fs-6 text-white" href="#">Aplikasi Kantor Siapa</a>          <ul class="navbar-nav flex-row d-md-none">              <li class="nav-item text-nowrap">                  <button class="nav-link px-3 text-white" type="button" data-bs-toggle="collapse" data-bs-target="#navbarSearch" aria-controls="navbarSearch" aria-expanded="false" aria-label="Toggle search">                      <svg class="bi">                          <use xlink:href="#search" />                      </svg>                  </button>              </li>              <li class="nav-item text-nowrap">                  <button class="nav-link px-3 text-white" type="button" data-bs-toggle="offcanvas" data-bs-target="#sidebarMenu" aria-controls="sidebarMenu" aria-expanded="false" aria-label="Toggle navigation">                      <svg class="bi">                          <use xlink:href="#list" />                      </svg>                  </button>              </li>          </ul>          <div id="navbarSearch" class="navbar-search w-100 collapse">              <input class="form-control w-100 rounded-0 border-0" type="text" placeholder="Search" aria-label="Search">          </div>      </header> | |
| 2 | If you are tired of typing it, you can download it at  "<https://github.com/twbs/bootstrap/releases/download/v5.3.2/bootstrap-5.3.2-examples.zip>"  And look for the dashboard view |
| 3 | Create a new file named template/**footer.php** inside the **template** folder. Type the code below |
| 4 | Create a new file named template/**menu.php** inside the **template** folder. Type the code below   |  | | --- | | <div class="sidebar border border-right col-md-3 col-lg-2 p-0 bg-body-tertiary">      <div class="offcanvas-md offcanvas-end bg-body-tertiary" tabindex="-1" id="sidebarMenu" aria-labelledby="sidebarMenuLabel">          <div class="offcanvas-header">              <h5 class="offcanvas-title" id="sidebarMenuLabel">Aplikasi Kantor Siapa</h5>              <button type="button" class="btn-close" data-bs-dismiss="offcanvas" data-bs-target="#sidebarMenu" aria-label="Close"></button>          </div>          <div class="offcanvas-body d-md-flex flex-column p-0 pt-lg-3 overflow-y-auto">              <ul class="nav flex-column">                  <li class="nav-item">                      <a class="nav-link d-flex align-items-center gap-2 active" aria-current="page" href="index.php">                          <svg class="bi">                              <use xlink:href="#house-fill" />                          </svg>                          Dashboard                      </a>                  </li>                  <li class="nav-item">                      <a class="nav-link d-flex align-items-center gap-2" href="index.php?page=anggota">                          <svg class="bi">                              <use xlink:href="#people" />                          </svg>                          Anggota                      </a>                  </li>                  <li class="nav-item">                      <a class="nav-link d-flex align-items-center gap-2" href="index.php?page=jabatan">                          <svg class="bi">                              <use xlink:href="#puzzle" />                          </svg>                          Jabatan                      </a>                  </li>              </ul>              <hr class="my-3">              <ul class="nav flex-column mb-auto">                  <li class="nav-item">                      <a class="nav-link d-flex align-items-center gap-2" href="#">                          <svg class="bi">                              <use xlink:href="#gear-wide-connected" />                          </svg>                          Settings                      </a>                  </li>                  <li class="nav-item">                      <a class="nav-link d-flex align-items-center gap-2" href="logout.php">                          <svg class="bi">                              <use xlink:href="#door-closed" />                          </svg>                          Log out                      </a>                  </li>              </ul>          </div>      </div>  </div> | |
| 5 | Create a new file named template/**home.php**. Type the code below |
| 6 | Fill in the user table with the conditions  username: admin  password:  salt: 8ad2e053c563c20a803cf4698d95bf9d  level: admin  Then open a browser and run/refresh **localhost/dasarWeb/JS11**/  To log in, use username: admin and password: admin. Record here what you observe from Practical Section1 to 3. (Question No. 3.1)  **menu.php**  This file generates a sidebar menu for the web application, helping users navigate through various sections. Here’s a breakdown:   1. **Sidebar Wrapper**:    * <div class="sidebar border border-right col-md-3 col-lg-2 p-0 bg-body-tertiary">:      + Creates a sidebar with Bootstrap classes for layout (col-md-3, col-lg-2 for responsive width) and styling (border, border-right for a right border, and bg-body-tertiary for a background color).    * Contains an offcanvas-md component (off-canvas behavior on smaller screens), improving usability on mobile. 2. **Header**:    * Displays "Aplikasi Kantor Siapa" as the menu’s title.    * A close button (btn-close) allows mobile users to close the menu when it's in off-canvas mode. 3. **Navigation Links**:    * Inside <ul class="nav flex-column">:      + **Dashboard**: Links to the home page (index.php).      + **Anggota**: Links to the members’ page (index.php?page=anggota).      + **Jabatan**: Links to the positions’ page (index.php?page=jabatan).    * Each link has an icon represented by <svg class="bi"> using the use tag to display an SVG symbol (e.g., #house-fill for Dashboard). 4. **Settings and Logout Links**:    * Additional menu items under a separator (<hr class="my-3">) provide links for **Settings** and **Log out**.    * **Settings**: Placeholder link, designed to include settings functionality.    * **Log out**: Points to logout.php, ending the user session.   **home.php**  This file is the main content area of the application’s home page, displaying data counts (members and positions) and giving users quick links to manage each section.   1. **Container and Row Structure**:    * <div class="container-fluid"> and <div class="row"> are used to create a full-width container and row, respectively. 2. **PHP Includes**:    * include "menu.php"; embeds the menu in the home layout. 3. **Data Queries**:    * **Members Count**:      + $query\_anggota retrieves the total count of anggota from the database.      + mysqli\_query and mysqli\_fetch\_assoc functions store the result in $row\_anggota.    * **Positions Count**:      + $query\_jabatan retrieves the total count of jabatan from the database.      + Results are fetched and stored in $row\_jabatan. 4. **Main Content**:    * <main class="col-md-9 ms-sm-auto col-lg-10 px-md-4">:      + Sets up the main content area with Bootstrap responsive columns to ensure proper alignment and spacing next to the sidebar. 5. **Dashboard Title**:    * <div class="d-flex justify-content-between...">:      + Flexbox is used to align elements for spacing and layout. 6. **Data Display Cards**:    * **Members Card** (ANGGOTA):      + Shows the total members with <?= $row\_anggota['jml'] ?>.      + Includes a button labeled "Kelola" (Manage) with a link to index.php?page=anggota for managing members.    * **Positions Card** (JABATAN):      + Shows the total positions with <?= $row\_jabatan['jml'] ?>.      + Includes a "Kelola" button linking to index.php?page=jabatan for managing positions.   Each card has a title, description text displaying the respective count, and an action button for further management. The icons (fa-users and fa-puzzle-piece) provide visual distinction. |

**Practical Section4. Module Folder – Job Title Section**

Practical SectionSteps:

|  |  |
| --- | --- |
| **Step** | **Information** |
| 1 | Create a new folder “module/jabatan**”** in the admin folder**.** Then create a new file named module/jabatan/**index.php**. Type the code as below. |
| 2 | |  | | --- | | <div class="container-fluid">      <div class="row">          <?php          require 'admin/template/menu.php';          ?>          <main class="col-md-9 ms-sm-auto col-lg-10 px-md-4">              <div class="d-flex justify-content-between flex-wrap flex-md-nowrap align-items-center pt-3 pb-2 mb-3 border-bottom">                  <h1 class="h2">Jabatan</h1>              </div>              <div class="row">                  <div class="col-lg-2">                      <button type="button" class="btn btn-primary" data-bs-toggle="modal" data-bs-target="#exampleModal" data-bs-whatever="@mdo">                          <i class="fa fa-plus"></i> Tambah Jabatan</button>                  </div>              </div>              <?php if (isset($\_SESSION['\_flashdata'])) {                  echo "<br>";                  foreach ($\_SESSION['\_flashdata'] as $key => $val) {                      echo get\_flashdata($key);                  }              }              ?>              <div class="table-responsive small">                  <table class="table table-striped">                      <thead>                          <tr>                              <th scope="col">No</th>                              <th scope="col">Jabatan</th>                              <th scope="col">Keterangan</th>                              <th scope="col">Aksi</th>                          </tr>                      </thead>                      <tbody>                          <?php                          $no = 1;                          $query = "SELECT \* FROM jabatan order by id desc";                          $result = mysqli\_query($koneksi, $query);                          while ($row = mysqli\_fetch\_assoc($result)) {                          ?>                              <tr>                                  <th scope="row"><?= $no++; ?></th>                                  <td><?= $row['jabatan']; ?></td>                                  <td><?= $row['keterangan']; ?></td>                                  <td>                                      <a href="index.php?page=jabatan/edit&id=<?php echo $row['id']; ?>" class="btn btn-warning btn-xs"><i class="fa fa-pencil-square-o" aria-hidden="true"></i> Edit</a>                                      <a href="fungsi/hapus.php?jabatan=hapus&id=<?php echo $row['id']; ?>" onclick="javascript:return confirm('Hapus Data Jabatan ?');" class="btn btn-danger btn-xs"><i class="fa fa-trash-o" aria-hidden="true"></i> Hapus</a>                                  </td>                              </tr>                          <?php                          }                          ?>                      </tbody>                  </table>              </div>              <div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">                  <div class="modal-dialog">                      <div class="modal-content">                          <div class="modal-header">                              <h1 class="modal-title fs-5" id="exampleModalLabel">Form Jabatan</h1>                              <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>                          </div>                          <form action="fungsi/tambah.php?jabatan=tambah" method="POST">                              <div class="modal-body">                                  <div class="mb-3">                                      <label for="recipient-name" class="col-form-label">Nama Jabatan:</label>                                      <input type="text" name="jabatan" class="form-control" id="recipient-name">                                  </div>                                  <div class="mb-3">                                      <label for="message-text" class="col-form-label">Keterangan:</label>                                      <textarea class="form-control" name="keterangan" id="message-text"></textarea>                                  </div>                              </div>                              <div class="modal-footer">                                  <button type="button" class="btn btn-secondary" data-bs-dismiss="modal"><i class="fa fa-times" aria-hidden="true"></i> Close</button>                                  <button type="submit" class="btn btn-primary"><i class="fa fa-floppy-o" aria-hidden="true"></i> Simpan</button>                              </div>                          </form>                      </div>                  </div>              </div>          </main>      </div>  </div> | |
| 3 | Create a single file with fungsi/tambah.php inside JS11 folder. Type the code as below |
| 4 | Then open a browser and run/refresh **localhost/dasarWeb/JS11**/ **index.php**?page=job . Add job title data.  Note here what you observe from the addition of the program code above. (Question No. 4.1)    This code snippet manages the display and addition of "Jabatan" (positions) in an admin interface. It starts by defining a responsive layout with Bootstrap’s grid system, which separates the sidebar and main content area. The sidebar menu is included from an external file to allow reusability across pages. The main area displays a heading for "Jabatan," along with a button to add new positions, and a section for flash messages that show any session-based notifications to the user.  A table is used to list existing positions, retrieving data from the database and displaying each row with options to edit or delete. This table is built dynamically using a loop that fetches and displays each entry from the "jabatan" table in descending order. For adding new entries, a modal form is triggered by a button, allowing users to input and submit a new "jabatan" and description. The form action sends data to a PHP script that handles the insertion.  The PHP backend logic starts by initializing a session to manage user login state and session-based messages. It includes database connection and utility functions for session messages and input sanitization. If form data is detected, it sanitizes the input and tries to insert it into the database. Based on the outcome, it sets a success or error message using the session message utility. After this process, it redirects the user back to the "jabatan" page to view updated entries. |
| 5 | Create a single file with the name fungsi/hapus.php and put it in the **fungsi** folder. Type the code as below |
| 6 | Then open a browser and run/refresh **localhost/dasarWeb/**JS11/i**ndex.**php?page=job . Delete position data.  Note here what you observe from the addition of the program code above. (Question No. 4.2)    If we press delete, ‘jabatan’ will be deleted from source code hapus.php |
| 7 | Create an edit folder inside the departmentfolderand create a new file with name admin/module/jabatan/edit/**index.php**. Type the code as below |
| 8 |  |
| 9 | Create a single file with the fungsi/edit.php name and put it in the **fungsi** folder. Type the code as below |
| 10 | Then open a browser and run/refresh **localhost/dasarWeb/**JS11/**index.**php?page=job . Change your position data.  Note here what you observe from the addition of the program code above. (Question No. 4.3)      With source code index on edit file,and edit in fungsi, we can ‘edit’the data |

**Practical Section5. Module Folder – Members Section**

Practical SectionSteps:

|  |  |
| --- | --- |
| **Step** | **Information** |
| 1 | Create a new folder Anggota inside the admin/module folderand inside the admin folder**.** Then create a new file named admin/module/anggota/index.php. Type the code as below. |
| 2 | |  | | --- | | <div class="container-fluid">      <div class="row">          <?php          require 'admin/template/menu.php';          ?>          <main class="col-md-9 ms-sm-auto col-lg-10 px-md-4">              <div class="d-flex justify-content-between flex-wrap flex-md-nowrap align-items-center pt-3 pb-2 mb-3 border-bottom">                  <h1 class="h2">Anggota</h1>              </div>              <div class="row">                  <div class="col-lg-3">                      <button type="button" class="btn btn-primary" data-bs-toggle="modal" data-bs-target="#exampleModal" data-bs-whatever="@mdo">                          <i class="fa fa-plus"></i> Tambah Anggota</button>                  </div>              </div>              <?php if (isset($\_SESSION['\_flashdata'])) {                  echo "<br>";                  foreach ($\_SESSION['\_flashdata'] as $key => $val) {                      echo get\_flashdata($key);                  }              }              ?>              <div class="table-responsive small">                  <table class="table table-striped">                      <thead>                          <tr>                              <th scope="col">No</th>                              <th scope="col">Nama</th>                              <th scope="col">Jabatan</th>                              <th scope="col">Username</th>                              <th scope="col">Aksi</th>                          </tr>                      </thead>                      <tbody>                          <?php                          $no = 1;                          $query = "SELECT \* FROM anggota a, jabatan j, user u WHERE a.jabatan\_id = j.id AND a.user\_id = u.id order by a.id desc";                          $result = mysqli\_query($koneksi, $query);                          while ($row = mysqli\_fetch\_assoc($result)) {                          ?>                              <tr>                                  <th scope="row"><?= $no++; ?></th>                                  <td><?= $row['nama']; ?></td>                                  <td><?= $row['jabatan']; ?></td>                                  <td><?= $row['username']; ?></td>                                  <td>                                      <a href="index.php?page=anggota/edit&id=<?php echo $row['user\_id']; ?>" class="btn btn-warning btn-xs"><i class="fa fa-pencil-square-o" aria-hidden="true"></i> Edit</a>                                      <a href="fungsi/hapus.php?anggota=hapus&id=<?php echo $row['user\_id']; ?>" onclick="javascript:return confirm('Hapus Data Jabatan ?');" class="btn btn-danger btn-xs"><i class="fa fa-trash-o" aria-hidden="true"></i> Hapus</a>                                  </td>                              </tr>                          <?php                          }                          ?>                      </tbody>                  </table>              </div>              <div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">                  <div class="modal-dialog">                      <div class="modal-content">                          <div class="modal-header">                              <h1 class="modal-title fs-5" id="exampleModalLabel">Form Anggota</h1>                              <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>                          </div>                          <form action="fungsi/tambah.php?anggota=tambah" method="POST">                              <div class="modal-body">                                  <div class="mb-3">                                      <label for="recipient-name" class="col-form-label">Nama:</label>                                      <input type="text" name="nama" class="form-control" id="recipient-name">                                  </div>                                  <div class="mb-3">                                      <label for="recipient-name" class="col-form-label">Jabatan:</label>                                      <select class="form-select" name="jabatan" name aria-label="Default select example">                                          <option selected>Pilih Jabatan</option>                                          <?php                                          $query2 = "SELECT \* FROM jabatan order by jabatan asc";                                          $result2 = mysqli\_query($koneksi, $query2);                                          while ($row2 = mysqli\_fetch\_assoc($result2)) {                                          ?>                                              <option value="<?= $row2['id']; ?>"><?= $row2['jabatan']; ?></option>                                          <?php                                          }                                          ?>                                      </select>                                  </div>                                  <div class="mb-3">                                      <label for="recipient-name" class="col-form-label">Jenis Kelamin:</label>                                      <br>                                      <div class="form-check form-check-inline">                                          <input class="form-check-input" type="radio" name="jenis\_kelamin" value="L" checked>                                          <label class="form-check-label" for="inlineRadio1">Laki-Laki</label>                                      </div>                                      <div class="form-check form-check-inline">                                          <input class="form-check-input" type="radio" name="jenis\_kelamin" value="P">                                          <label class="form-check-label" for="inlineRadio2">Perempuan</label>                                      </div>                                  </div>                                  <div class="mb-3">                                      <label for="message-text" class="col-form-label">Alamat:</label>                                      <textarea class="form-control" name="alamat" id="message-text"></textarea>                                  </div>                                  <div class="mb-3">                                      <label for="recipient-name" class="col-form-label">No Telepon:</label>                                      <input type="number" name="no\_telp" class="form-control" id="recipient-name">                                  </div>                                  <hr class="border border-primary border-3 opacity-75">                                  <div class="mb-3">                                      <label for="recipient-name" class="col-form-label">Username:</label>                                      <input type="text" name="username" class="form-control" id="recipient-name">                                  </div>                                  <div class="mb-3">                                      <label for="recipient-name" class="col-form-label">Password:</label>                                      <input type="password" name="password" class="form-control" id="recipient-name">                                  </div>                                  <div class="mb-3">                                      <label for="recipient-name" class="col-form-label">Level:</label>                                      <select class="form-select" name="level" name aria-label="Default select example">                                          <option selected>Pilih Level</option>                                          <option value="user">User</option>                                          <option value="admin">Admin</option>                                      </select>                                  </div>                              </div>                              <div class="modal-footer">                                  <button type="button" class="btn btn-secondary" data-bs-dismiss="modal"><i class="fa fa-times" aria-hidden="true"></i> Close</button>                                  <button type="submit" class="btn btn-primary"><i class="fa fa-floppy-o" aria-hidden="true"></i> Simpan</button>                              </div>                          </form>                      </div>                  </div>              </div>          </main>      </div>  </div> | |
| 3 | Add the code content to the fungsi/tambah.php file located in the **fungsi** folder. Type the code as below |
| 4 | Then open a browser and run/refresh **localhost/dasarWeb/JS11**/ **index.php**?page=member . Add member data.  Note here what you observe from the addition of the program code above. (Question No 5.1)    Now we can add anggota from source code index in anggota and tambah.php in function |
| 5 | Add the code content to the hapus.php file in the **function** folder. Type the code as below |
| 6 | Then open a browser and run/refresh **localhost/dasarWeb/JS11**/ **index.php**?page=member . Delete member data.  Note here what you observe from the addition of the program code above. (Question No. 5.2)    Now we can delete anggota with function ‘hapus’ |
| 7 | Create one **edit** folder inside anggotafolder and create a new file with name admin/module/anggota/edit/**index.php**. Type the code as below |
| 8 | |  | | --- | | <div class="container-fluid">      <div class="row">          <?php          require 'admin/template/menu.php';          $id = $\_GET['id'];          $query = "SELECT \* FROM anggota a, jabatan j, user u WHERE a.jabatan\_id = j.id AND a.user\_id = u.id AND a.user\_id = '$id'";          $result = mysqli\_query($koneksi, $query);          $row = mysqli\_fetch\_assoc($result);          ?>          <main class="col-md-9 ms-sm-auto col-lg-10 px-md-4">              <div class="d-flex justify-content-between flex-wrap flex-md-nowrap align-items-center pt-3 pb-2 mb-3 border-bottom">                  <h1 class="h2">Anggota</h1>              </div>              <form action="fungsi/edit.php?anggota=edit" method="POST">                  <div class="row">                      <div class="col-sm-6">                          <div class="card">                              <div class="card-header">                                  Form Edit Anggota                              </div>                              <div class="card-body">                                  <input type="hidden" value="<?php echo $row['user\_id']; ?>" name="id">                                  <div class="mb-3">                                      <label for="nama" class="form-label">Nama</label>                                      <input type="text" class="form-control" name="nama" value="<?= $row['nama']; ?>">                                  </div>                                  <div class="mb-3">                                      <label for="recipient-name" class="col-form-label">Jabatan:</label>                                      <select class="form-select" name="jabatan" name aria-label="Default select example">                                          <option selected>Pilih Jabatan</option>                                          <?php                                          $query2 = "SELECT \* FROM jabatan order by jabatan asc";                                          $result2 = mysqli\_query($koneksi, $query2);                                          while ($row2 = mysqli\_fetch\_assoc($result2)) {                                          ?>                                              <option value="<?= $row2['id']; ?>" <?= ($row['jabatan\_id'] == $row2['id']) ? 'selected' : '' ?>><?= $row2['jabatan']; ?></option>                                          <?php                                          }                                          ?>                                      </select>                                  </div>                                  <div class="mb-3">                                      <label for="recipient-name" class="col-form-label">Jenis Kelamin:</label>                                      <br>                                      <div class="form-check form-check-inline">                                          <input class="form-check-input" type="radio" name="jenis\_kelamin" value="L" <?= ($row['jenis\_kelamin'] === "L") ? 'checked' : '' ?>>                                          <label class="form-check-label" for="inlineRadio1">Laki-Laki</label>                                      </div>                                      <div class="form-check form-check-inline">                                          <input class="form-check-input" type="radio" name="jenis\_kelamin" value="P" <?= ($row['jenis\_kelamin'] === "P") ? 'checked' : '' ?>>                                          <label class="form-check-label" for="inlineRadio2">Perempuan</label>                                      </div>                                  </div>                                  <div class="mb-3">                                      <label for="alamat" class="form-label">Alamat</label>                                      <textarea class="form-control" name="alamat"><?= $row['alamat']; ?></textarea>                                  </div>                                  <div class="mb-3">                                      <label for="no\_telp" class="form-label">No Telepon</label>                                      <input type="number" class="form-control" name="no\_telp" value="<?= $row['no\_telp']; ?>">                                  </div>                              </div>                          </div>                      </div>                      <div class="col-sm-6">                          <div class="card">                              <div class="card-header">                                  Form Edit Login Anggota                              </div>                              <div class="card-body">                                  <div class="mb-3">                                      <label for="username" class="form-label">Username</label>                                      <input type="text" class="form-control" name="username" value="<?= $row['username']; ?>">                                  </div>                                  <div class="mb-3">                                      <label for="password" class="form-label">Password</label>                                      <input type="password" class="form-control" name="password">                                      <div class="form-text">Kosongi password, jika tidak ingin menggantinya.</div>                                  </div>                              </div>                          </div>                      </div>                  </div>                  <br>                  <div class="row">                      <div class="col-sm-12">                          <div class="card">                              <div class="card-body" style="text-align: center;">                                  <button type="submit" class="btn btn-primary"><i class="fa fa-floppy-o" aria-hidden="true"></i> Ubah</button>                                  <a href="index.php?page=anggota" class="btn btn-secondary"><i class="fa fa-times" aria-hidden="true"></i> Batal</a>                              </div>                          </div>                      </div>                  </div>              </form>          </main>      </div>  </div> | |
| 9 | Add the code content to the fungsi/edit.php file located in the **fungsi** folder. Type the code as below |
| 10 | Then open a browser and run/refresh **localhost/dasarWeb/JS11**/ **index.php**?page=member . Change member data.  Note here what you observe from the addition of the program code above. (Question No 5.3)    With ‘edit’ function we can change the data |

https://github.com/Samidkun/DASARWEB.git