**Lab Exercise 3 - Using Macros in Confluence for Table of Contents in LMS Technical Documentation**

**Objective:**

Learn how to use Confluence **macros** to enhance documentation, specifically by adding a **Table of Contents (TOC)** to the **Library Management System (LMS) Technical Documentation** page.

**Prerequisites:**

* Access to an Atlassian Confluence instance.
* Permissions to create and edit pages in a Confluence space.
* An existing **Technical Documentation** page in the LMS space.

**Step 1: Open the LMS Technical Documentation Page**

1. Log in to Confluence.
2. Navigate to the **Library Management System** space.
3. Click on the **Technical Documentation** page.
4. Click **Edit** to modify the page content.

**Step 2: Structuring the Page with Headings**

Before inserting the Table of Contents, ensure that the page has proper **heading levels**. Confluence’s TOC macro generates links based on these headings.

**Example of Proper Heading Structure:**

# Library Management System - Technical Documentation (Heading 1)

## System Architecture (Heading 2)

### Backend Technologies (Heading 3)

### Frontend Technologies (Heading 3)

## Database Design (Heading 2)

### Tables and Relationships (Heading 3)

## API Documentation (Heading 2)

### Authentication API (Heading 3)

### Book Management API (Heading 3)

**Step 3: Insert the Table of Contents Macro**

1. Place the cursor at the top of the **Technical Documentation** page.
2. Click the **Insert More Content (+)** button from the toolbar.
3. Select **Other Macros**.
4. In the search box, type **Table of Contents**.
5. Click on the **Table of Contents** macro.

**Step 4: Configure Table of Contents Settings**

1. **Numbered List:** Check the box if you want numbered sections.
2. **Heading Levels:** Set levels (e.g., **2-4**) to include only relevant sections.
3. **Include/Exclude Headings:** Use keywords to filter specific headings.
4. Click **Insert** to add the TOC macro to the page.

**Step 5: Publish and Test the TOC**

1. Click **Publish** to save the changes.
2. Verify that the **Table of Contents** appears at the top of the page.
3. Click on any link in the TOC to check if it navigates to the corresponding section.

**Step 6: Additional Macros for LMS Documentation**

* **Expand Macro:** Use for detailed API responses or explanations.
* **Status Macro:** Highlight the current development status of each module.
* **Panel Macro:** Use for important notes, warnings, or summaries.

**Completion Criteria:**

✅ The **Technical Documentation** page contains properly formatted headings.  
✅ A **Table of Contents** macro is added at the top.  
✅ Clicking on TOC links correctly navigates to sections.  
✅ Additional macros are explored to enhance documentation.

This lab will help in organizing LMS technical documentation efficiently in **Confluence**.