Develop a Library Management Module

Objective:

Create a Library Management module in Odoo that includes two custom models, two separate menus, and basic Odoo fields with list and form views.

Scope of Work:

1. **Module Structure:**
   - Create a new Odoo module named **ak_library_management**.
   - Define necessary dependencies (base, web).
2. **Custom Models:**
   - **library.book**: Stores book-related details.
   - **library.member**: Stores library member details.
3. **Fields Definition:**
   - **library.book** Model:
     - name (Char) – Book Title
     - author (Char) – Author Name
     - isbn (Char) – ISBN Number
     - publication_date (Date) – Date of Publication
     - category_id (Many2one) – Book Category
     - state (Selection) – Book Availability (available, borrowed)
     - description (Text) – Book Summary
   - **library.member** Model:
     - name (Char) – Member Name
     - email (Char) – Email ID
     - phone (Char) – Contact Number
     - membership_date (Date) – Membership Start Date
4. **Menus and Views:**
   - **Menu 1: Library Management**
     - Submenu: Books
       - List View: Displays books with Title, Author, ISBN, and Status.
       - Form View: Allows adding/editing book details.
   - **Menu 2: Members**
     - Submenu: Members
       - List View: Displays members with Name, Email, and Phone.
       - Form View: Allows adding/editing member details.
5. **Additional Features:**
   - Add security access rules.
   - Define XML views for list and form views.

○ The form view should look like this. Take reference from the image below.

Contact ?		Salesperson	Mitchell Admin	
Email	info@mycompany.net	Expected Closing ?	03/29/2025	☆☆☆
Phone		Tags ?	Consulting ✕	

Expected Deliverables:

- A working **Odoo module** with the described functionality.
- Well-structured **models, views, and menus**.
- Follow folder and file structure.
- Follow the manifest as per guidelines and below points should be same as mentioned :
  - **Version** - 18.0.1.0.0
  - **Author** - "Your Name"
  - **Website** - "https://www.aktivsoftware.com"
- In all the .py files the first line should be "`# -*- coding: utf-8 -*-`"
- In all files, the last line should be empty.
- Follow the proper indentations.
- All the .py and .xml must contain **inline comments** and **docstrings**.
- Properly formatted XML and Python code.
- Before submitting the module please **remove pycache file**