

Library Management Website Setup Instructions

1. System Requirements

To run the Library Management Website, ensure your system meets the following requirements:

- Python 3.x
- Django 3.x or higher
- A database system (e.g., SQLite, PostgreSQL)
- Required Python packages listed in requirements.txt

2. Setup Instructions

Follow these steps to set up the project:

1. Clone the repository: ``git clone <repository_url>``
2. Navigate to the project directory.
3. Create a virtual environment: ``python -m venv env``
4. Activate the virtual environment:
 - Windows: ``env\Scripts\activate``
 - macOS/Linux: ``source env/bin/activate``
5. Install the required packages: ``pip install -r requirements.txt``

3. Database Setup

Set up the database by running the following commands:

1. Apply migrations: ``python manage.py migrate``
2. (Optional) Create a superuser: ``python manage.py createsuperuser``

4. Running the Server

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To start the Django development server, run:

```
`python manage.py runserver`
```

Access the website at ``http://127.0.0.1:8000/``.

5. Accessing the Website

Visit the home page at ``http://127.0.0.1:8000/``. Use the admin interface for management tasks by navigating to ``http://127.0.0.1:8000/admin/``.

6. Admin Access

To access the Django admin site, use the superuser credentials created during setup. If no superuser was created, you can create one with ``createsuperuser`` command.

7. Deployment Tips

For production deployment, consider using a robust web server, setting up a reverse proxy, and securing the database and sensitive data.