BOOKSTORE PROJECT – OFFLINE INSTALLATION GUIDE

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1. PROJECT OVERVIEW

Bookstore Project is a full-stack web application that allows users to browse books, place orders, and manage inventory and customer information.

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2. TECHNOLOGIES USED

Layer	Technology
Frontend	React.js (Next.js)
Backend	Node.js, Express.js
Database	MySQL
Styling	Tailwind CSS, Material UI
Auth	JWT

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3. REQUIREMENTS

- **Node.js** (v16+)
- **MySQL Server**
- **Git** (optional, or download ZIP)
- **VS Code / Terminal**

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4. SETUP STEPS

Step 1: Clone or download the project

git clone https://github.com/ThuNguyen288/bookstore_project.git

cd bookstore_project

Or download the ZIP file and extract it.

Step 2: Import MySQL database

1. Open MySQL command line or GUI (phpMyAdmin, MySQL Workbench)
2. Create new database: CREATE DATABASE bookstore_db;
3. Import file mydatabase.sql from the project root:

   mysql -u root -p bookstore_db < mydatabase.sql

Step 3: Install dependencies

npm install

Step 4: Configure environment variables

DB_HOST=localhost

DB_USER=root

DB_PASSWORD=your_password

DB_NAME=bookstore_db

JWT_SECRET=your_jwt_secret

TOKEN_EXPIRES_IN=1h

SMTP_EMAIL=your_email@gmail.com

SMTP_PASSWORD=your_email_password

SMTP_HOST=smtp.gmail.com

SMTP_PORT=465

NEXT_PUBLIC_API_URL=http://localhost:5000

NEXT_PUBLIC_CLOUD_NAME=your_cloudinary_name

NEXT_PUBLIC_CLOUD_PRESET=your_cloudinary_preset

Replace your_password, your_email, etc. with real values.

Step 5: Run the project

npm run dev

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5. ACCESSING THE WEBSITE

Open your browser and go to:

http://localhost:3000

- Register as a customer to browse and purchase books.
- Log in as admin to manage the system.

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6. TEST ACCOUNTS (Optional)

Role	Email	Password
Admin	Thuthu2882002@gmail.com	12
User	Nguyenthu288@gmail.com	12

These accounts should be pre-inserted in the mydatabase.sql (or create manually if needed).

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7. FILES TO SUBMIT FOR THESIS

- Source Code
- Database: Nguyen Thi Kim Thu_ITITIU20315.sql
- README.md
- This PDF (Offline Setup Guide)
- (Optional) Screenshots, ERD Diagram

CONTACT

For support or questions:

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- GitHub: https://github.com/ThuNguyen288