



BSc. (Hons) in Software Engineering

Faculty of Computing

Setup Instructions Documentation

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1. Clone the Repository

```
git clone https://github.com/GihanJY/online-bookshop.git
cd client      → for frontend project
cd server      → for backend project
```

2. Project Structure (Example)

```
your-repo-name/
├── client/      # React frontend
├── server/      # Node.js backend (Express)
└── README.md
```

3. Frontend (React)

```
cd client
npm install
```

Start the React App

```
npm start
```

The app typically runs on `http://localhost:3000`

4. Backend (Node.js / Express)

```
cd ../server
npm install
```

Setup .env File (if applicable)

```
PORT=5000
DB_URI=mongodb://localhost:27017/bookshop
JWT_SECRET=your_jwt_secret
```

Run the Server

```
npm start
```

The server typically runs on `http://localhost:5000`

5. Testing the API

Use Postman or any API client to test endpoints like:

- POST `/api/users/register`
- POST `/api/users/login`

6. Database (MongoDB)

Ensure MongoDB is installed and running. You can start it locally or use MongoDB Atlas.

```
npm install mongoose
```

If local:

```
mongod
```

Ensure ports 3000 and 5000 are not blocked.

- For production deployment, consider using:
 - Frontend: Vercel, Netlify
 - Backend: Render, Heroku, or your VPS
 - Database: MongoDB Atlas