# **LearnNova IT (Secure User Registration System)**

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## **Prerequisites**

Before setting up the project, ensure the following are installed:

* **Node.js** (v18 or higher recommended)
* **MongoDB** (locally installed or a MongoDB Atlas account)

## **Installation & Setup**

1. **Unzip** the project archive.
2. Open a **terminal** in the project root folder.
3. Run the following command to install dependencies:

-npm install

1. **Start MongoDB server** if running locally:

-mongod

1. Launch the application with:

-nodemon server

1. Open your browser and visit: [http://localhost:3000](http://localhost:3000/)

ℹ️ If you're using **MongoDB Atlas**, make sure to configure the MongoDB connection string in a .env file.

## **Features**

* ✔ **Secure registration form**
* ✔ **Password strength enforcement**

(Minimum 12 characters, mix of uppercase, lowercase, numbers, symbols)

* ✔ **CAPTCHA verification**
* ✔ **Client & server-side validation**
* ✔ **Passwords hashed with Bcrypt**
* ✔ **User data stored in MongoDB**
* ✔ **Admin panel with restricted access**
* ✔ **Feedback for errors and success on form actions**
* ✔ **Prevention against XSS and injection attacks**
* ✔ **CAPTCHA refreshes automatically on failure**

## **Demo Login (Optional)**

**Admin User Credentials:**

* **Username:** prayashrana
* **Password:** [Raanaa600@gmail.com](mailto:Raanaa600@gmail.com)

## **Security Notes**

* All form data undergoes **client-side and server-side validation**.
* CAPTCHA sessions are **refreshed on failure** to prevent abuse.
* This project is intended **for academic and demo purposes only**.