

TRANSLATOR WEBSITE WITH LOGIN

Overview:

This project represents a dynamic translator website, underpinned by a robust login system, developed with cutting-edge technologies such as Node.js, Express, MongoDB, and EJS for streamlined view rendering. At its core, the platform integrates a seamless user experience, offering a trifecta of essential features – a user authentication mechanism, a user registration workflow, and an interactive translator web page. By leveraging the asynchronous and event-driven capabilities of Node.js, the server efficiently handles user requests and ensures a responsive web experience. Express, the web application framework, facilitates the creation of robust and scalable web applications, while MongoDB, a NoSQL database, serves as the data store for user information, ensuring flexibility and scalability in managing user accounts. The incorporation of EJS further enriches the user interface by providing a dynamic and data-driven approach to rendering views, enhancing the overall aesthetic appeal and functionality of the translator website.

In practical terms, the login page provides a secure entry point for users, allowing them to access personalized features. The signup page seamlessly guides new users through the process of creating accounts, ensuring data integrity through bcrypt-encrypted passwords stored in MongoDB. Once authenticated, users gain entry to the translator web page, a focal point of the platform. This web page not only showcases the website's primary function of language translation but also serves as a canvas for potential future feature expansions. Overall, this project stands as a testament to the synergy of Contemporary web technologies, offering a cohesive and user-centric experience in the realm of language translation and web application development.

Prerequisites:

- Node.js installed on your machine.
- MongoDB installed and running locally.

Getting Started:

1. Clone the repository or create the necessary files and directories.
2. Install project dependencies by running: **“npm install”**
3. Download packages **“npm install express path bcrypt mongoose ejs”** for login/signup pages.
4. **“npm install -g http-server”** for translator packages.

Project Structure:

- **index.js:** Main server file containing the Express app setup and route definitions.
- **login-signup:** Directory Containing the login and signup related files.
 - **Src/config.js:** Mongoose model and schema definition for user data.
 - **public/style.css:** CSS file for styling login and signup pages.
 - **views/login.ejs:** EJS template for the login page.
 - **views/signup.ejs:** EJS template for the signup page.
- **Translator-web:** Directory containing the translator webpage related files.
 - **index.html:** HTML file for the translator web page.
 - **style.css:** CSS file for styling translator web page.
 - **js/countries.js:** For translate the contents.
 - **js/script.js:** Script for translator complete working.

Usage:

1. Start the MongoDB server : **“mongod”**.
2. Run the Node.js Server: **“node index.js”**.

3. Open your web browser and visit <http://localhost:3000/> to access the login page.

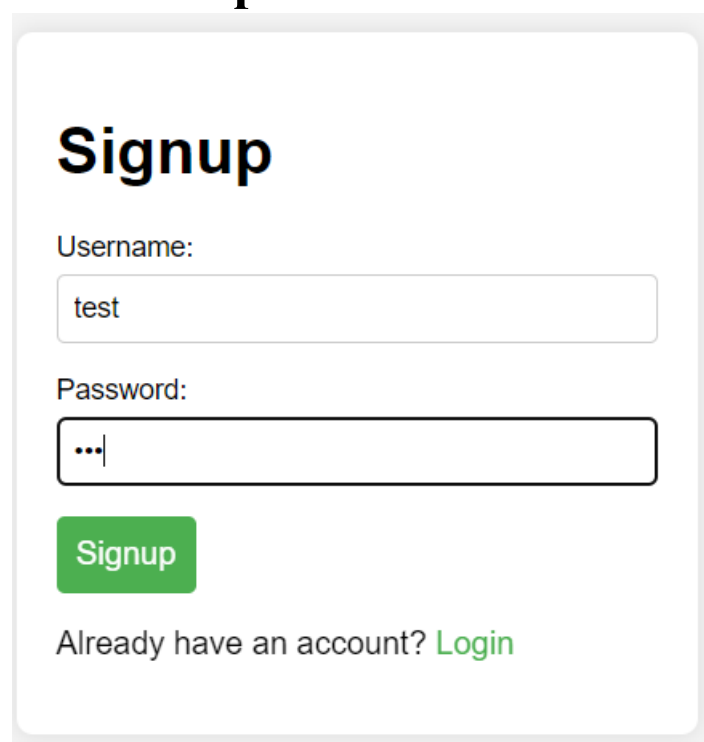
Features:

- **Login Page:** User can log in using their username and password.
- **Signup Pages:** New users can create an account by providing a unique username and password.
- **Translator web Page:** After logging in, users can access the translator Web Page with sample translation data.

Additional Notes:

- Ensure MongoDB is running before starting the Node.js server.
- Customize the translator-web functionally as needed.

Final Output:

A screenshot of a web application's 'Signup' page. The page has a light gray background. At the top, the word 'Signup' is written in a large, bold, black font. Below it, the label 'Username:' is followed by a text input field containing the text 'test'. Further down, the label 'Password:' is followed by a password input field with a black border and a small '...' icon on the left. Below the password field is a green rectangular button with the word 'Signup' in white text. At the bottom, the text 'Already have an account?' is followed by a green link labeled 'Login'.

Login

Username:

Password:

Login

Don't have an account? [Signup](#)

look

தோற்றம்



English



Tamil



Translate Text