

# Week 1

## Weekly Progress Report (Week 1)

**Date:** 1st July – 6th July 2025

**Team Members:** Rajdeep Dey, Harshjit Singh Dhami

**Project:** WebNew – Website Translation Platform

### What we did this week-

This week, we focused mainly on understanding our project better and planning how to move forward. We had a few team discussions to brainstorm what features we want in our WebNew platform. After exploring how tools/sites like “Weglot”, we listed out core features like:

- Landing page with project info
- Dashboard for users to manage translations
- Potential UI design for our Web Page

We also spent time deciding the technologies we’ll use. Here's the stack we’ve chosen so far:

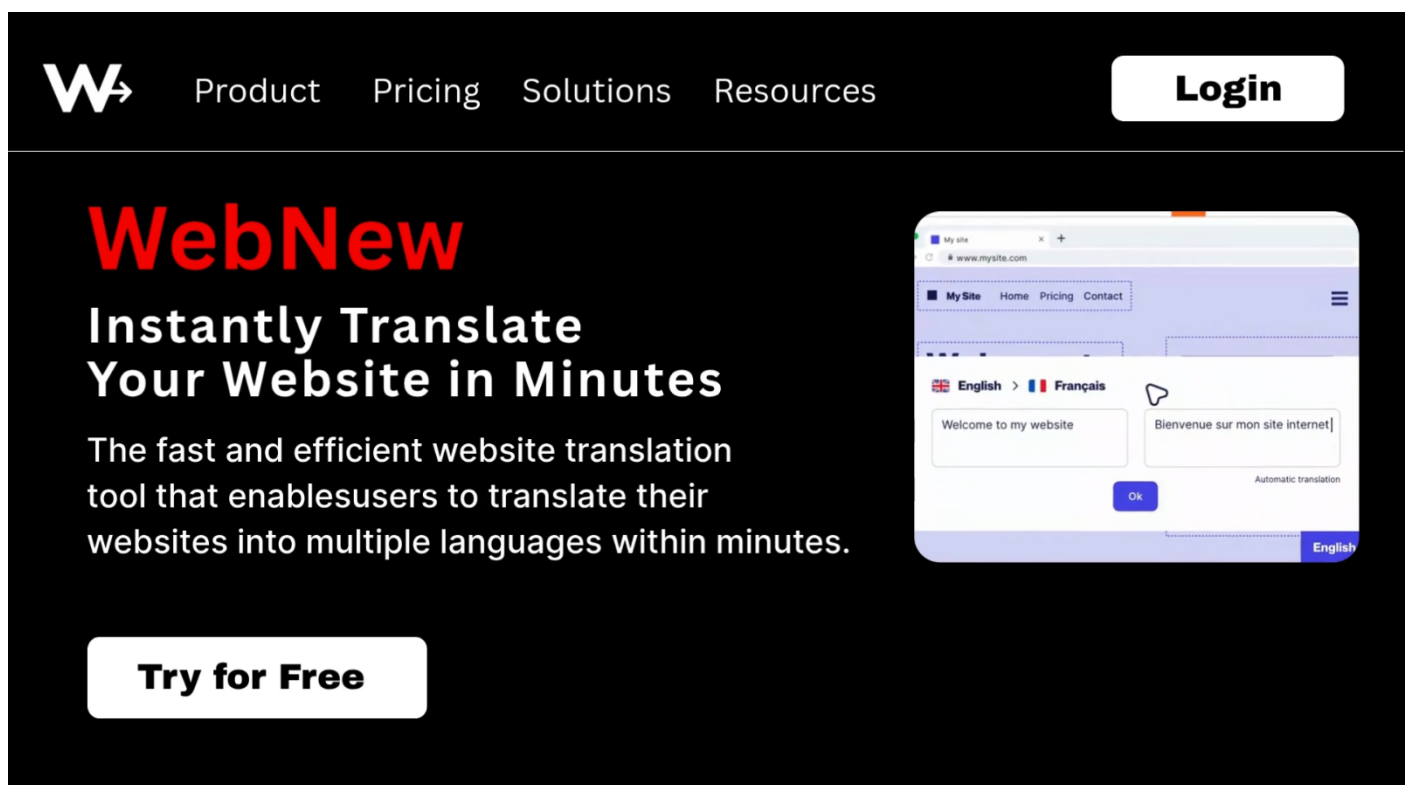
- **Frontend:** HTML, CSS/Tailwind CSS, JavaScript
- **Backend:** We’re still not sure or decided yet.
- **Database:** MongoDB, SQL/NoSQL
- **Other tools:** GitHub, VS Code

We decided to change our tools or approach based on our future decisions or problems.

### Plan/Tasks for the Next Week-

- Build basic HTML layout for the landing and dashboard pages
- Start applying Tailwind CSS for styling

### Potential Design Ideas -



# How It Works

Get your website translated in 3 simple steps.

1

Sign up and  
choose languages

2

Add our Script

3

Start Translating

## Why choose WebNew?

Built for developers,  
Trusted by businesses  
Worldwide



### AI-powered Accuracy

Advanced neural networks ensure contextually accurate translations that maintain your brand voice.



### SEO-Optimized

Maintain your search rankings with proper hreflang tags and search engine friendly URL structures.



### Easy Integration

Add our CDN snippet to your site and start translating instantly. No complex setup required.

# Choose your plan

Start free and scale as you grow.

## Free

**\$0**/month

Perfect for small Websites.

- ✓ 1,000 characters/month.
- ✓ 5 Languages.
- ✓ Basic Analytics

Get started Free

## Pro

**\$29**/month

For growing Business.

- ✓ 10,000 characters/month.
- ✓ Unlimited Languages.
- ✓ Advanced Analytics

Start Pro Trial

## Business

**\$99**/month

For large Enterprises.

- ✓ 1,00,000 characters/month.
- ✓ Unlimited Languages.
- ✓ Advanced Analytics

Start Business Trial

## What Our Users Are Saying

Real Stories of Success and Satisfaction from Our Diverse Community

“ As a freelancer, managing my finances can be overwhelming. The budgeting tools and personalized insights have made it so much easier to stay on top of my expenses and plan for the future. ”



**-Person A**

“ This platform has completely transformed the way I manage my business finances. The real-time transaction tracking and seamless payment options have saved me so much time and effort! ”



**-Person B**



**WebNew**

AI-powered website translation for over 100 languages. SEO-friendly and easy to integrate.

### Product

Features  
Pricing  
Dashboard

### Support

Help Center  
Contact

### Company

About  
Privacy  
Terms

We have designed all these layouts using “Canva”.

The design may change according to our needs/demands for the future.

# Week 2

## Weekly Progress Report (Week 2)

**Date:** 7th July – 13th July 2025

**Team Members:** Rajdeep Dey, Harshjit Singh Dhami

**Project:** WebNew – Website Translation Platform

**What we did this week –**

This week, we shifted focus from planning to initial development. Our main goal was to start building the basic layout of the website based on the design ideas discussed in Week 1. Here's what we accomplished:

- Created the basic HTML structure for the Landing Page and Dashboard.
- Worked on adding a logo and setting up the navigation bar.
- Focused on understanding layout structuring using HTML and basic CSS (no Tailwind used yet).
- Explored banner design ideas and homepage layout enhancements.
- Continued discussions on how to structure the user dashboard and where to place core components.

We are still in the early development phase, laying down the foundation before introducing styling or functionality.

**Plan/Tasks for the Next Week –**

- Start paying more attention to page styling and responsiveness.
- Finalize the design of the Landing Page with all sections (Hero, Features, Footer, etc.).
- Build the layout of the Dashboard with placeholders for dynamic data.

We're gradually turning our designs into a working web interface and will move towards styling and interactivity in Week 3.

# Week 3

## **Weekly Progress Report (Week 3)**

**Date:** 14th July – 20th July 2025

**Team Members:** Rajdeep Dey, Harshjit Singh Dhami

**Project:** WebNew – Website Translation Platform

### **What we did this week –**

This week, we made significant progress in improving the structure and functionality of our website. Our focus shifted from static layouts to refining components and preparing for interactivity. Key accomplishments:

- Refined the HTML structure for both the Landing Page and Dashboard.
- Added additional sections to the Landing Page such as Testimonials and About Us.
- Improved Navbar responsiveness and started working on a hamburger menu for smaller screens.
- Separated HTML, CSS, and JavaScript into different modular files for cleaner project structure.
- Collaborated on creating a responsive layout using basic CSS (Tailwind still not integrated yet).
- Began exploring basic JavaScript functionalities like toggling the mobile menu and preparing for future form handling.

We also identified some UI/UX issues and brainstormed possible solutions to improve user flow on both the landing and dashboard pages.

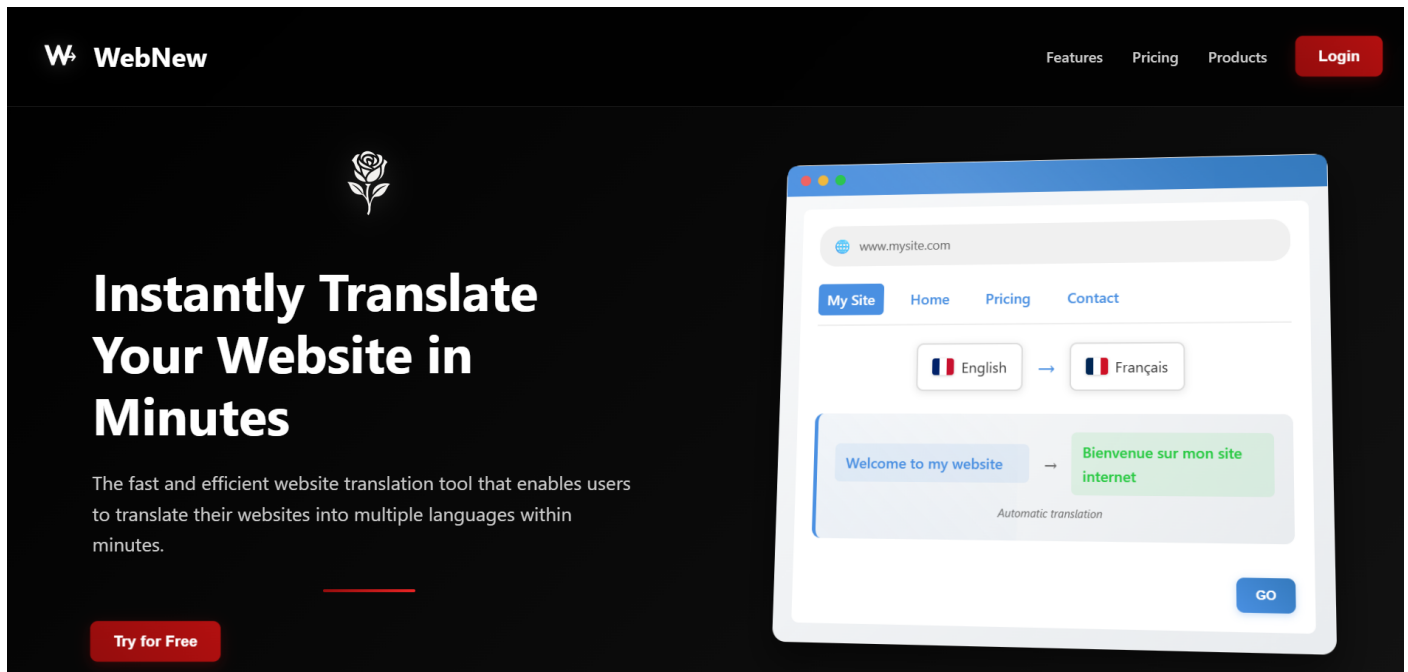
### **Plan/Tasks for the Next Week –**

- Finalize the Landing Page UI, including full responsiveness.
- Build out the Dashboard layout with interactive elements like translation cards and buttons.
- Integrate Tailwind CSS (if time permits) to improve design efficiency.
- Implement simple JavaScript functionalities like input validation and navigation toggles.
- Begin considering backend structure, possibly shortlisting frameworks like Node.js or Flask.

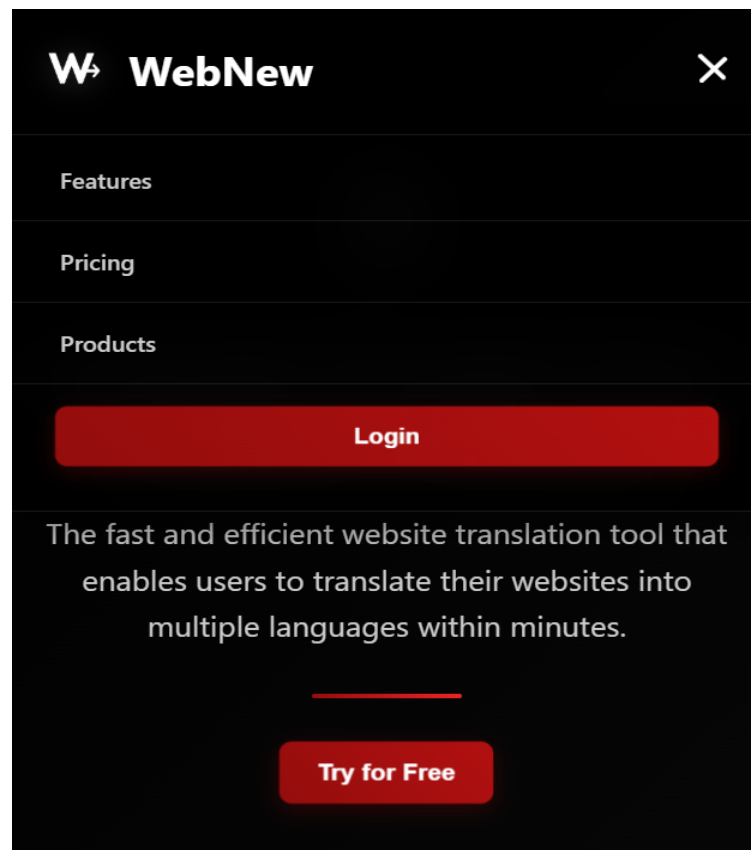
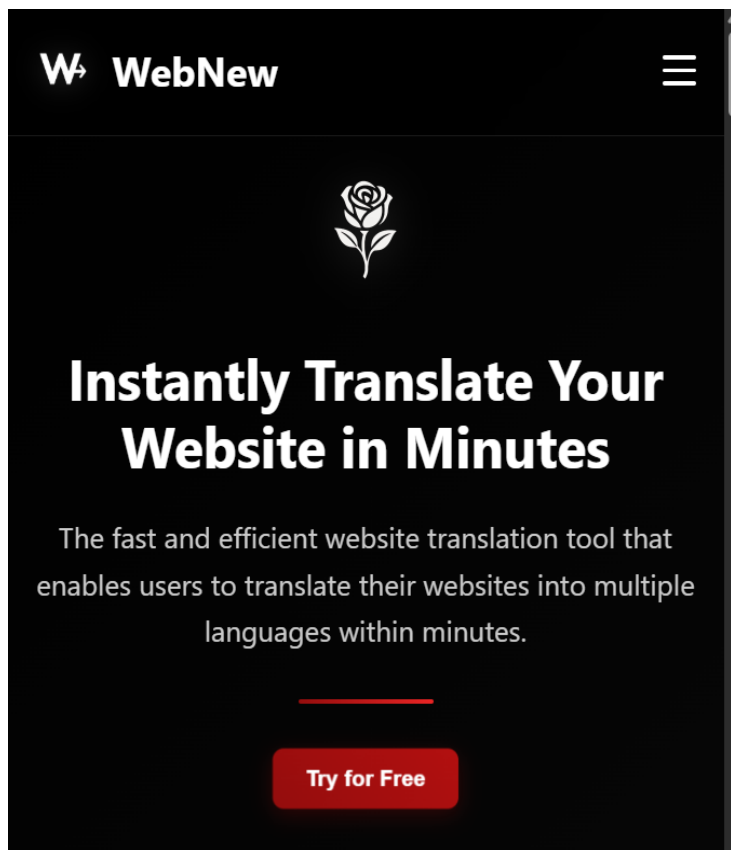
We're steadily turning the project into a usable web interface, and we'll soon begin tackling dynamic features and backend integration.

Visuals: -

- Landing Page



- Hamburger Menu(Before/After)



# Week 4

## Weekly Progress Report (Week 4)

**Date:** 21st July – 27th July 2025

**Team Members:** Rajdeep Dey, Harshjit Singh Dhani

**Project:** WebNew – Website Translation Platform

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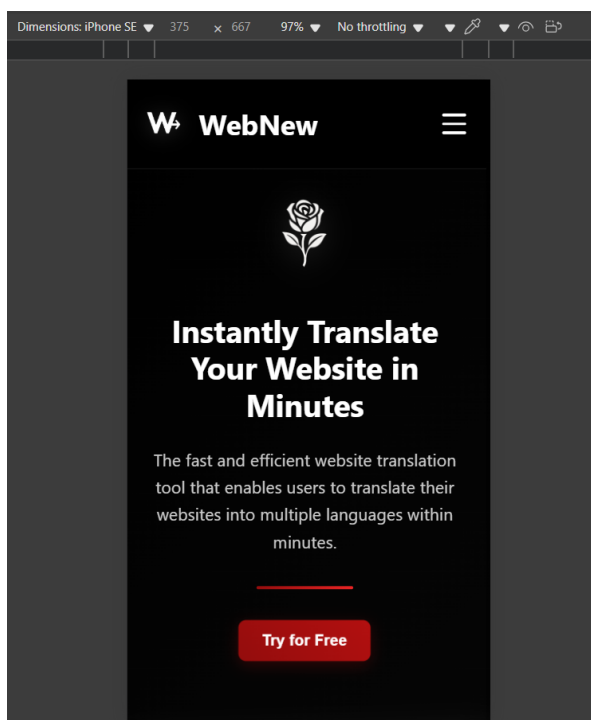
### What we did this week –

This week, we focused on improving the responsiveness, structure, and early interactivity of our website. Here's what we worked on:

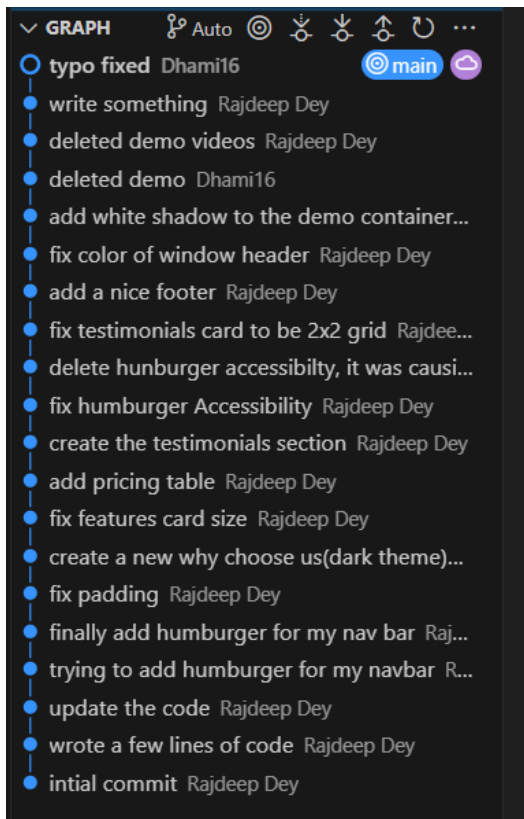
- Completed the responsive layout for the Landing Page using HTML and CSS.
  - Improved project folder structure by separating inline scripts/styles into their respective JS and CSS files.
  - Continued collaboration via GitHub, maintaining consistent commits and version history.
  - Started thinking about how user data and translations might flow through the system in the future backend.
  - Conducted basic mobile testing on different screen sizes using developer tools to check responsiveness.
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### Visuals Added –

#### 1. Landing Page (Responsive View) –



## 2. GitHub Contribution Graph-



### Plan/Tasks for the Next Week –

- Finalize Dashboard UI, including buttons and content areas.
- Add translation input and output sections on the dashboard (static for now).
- If time permits, shortlist and test simple backend environments (e.g., Node.js, Flask).
- Start creating a demo presentation of the current frontend version.

# Week 5

## Weekly Progress Report (Week 5)

**Date:** 28th July – 2nd August 2025

**Team Members:** Rajdeep Dey, Harshjit Singh Dhami

**Project:** WebNew – Website Translation Platform

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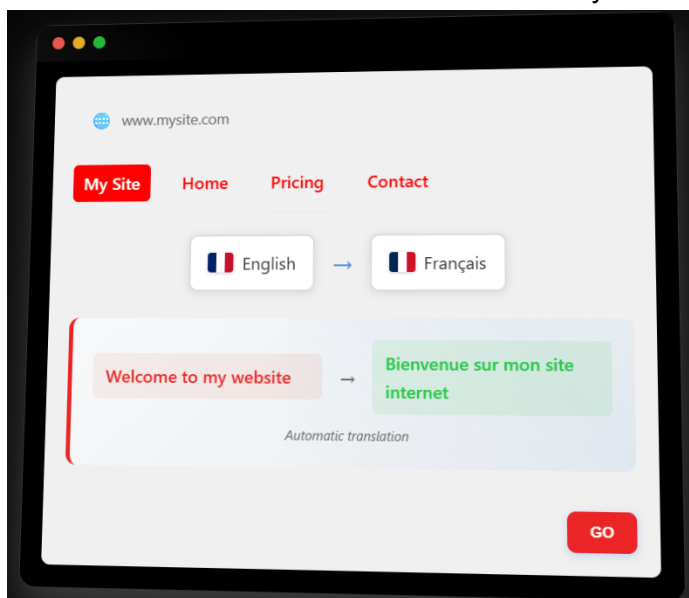
### What we did this week –

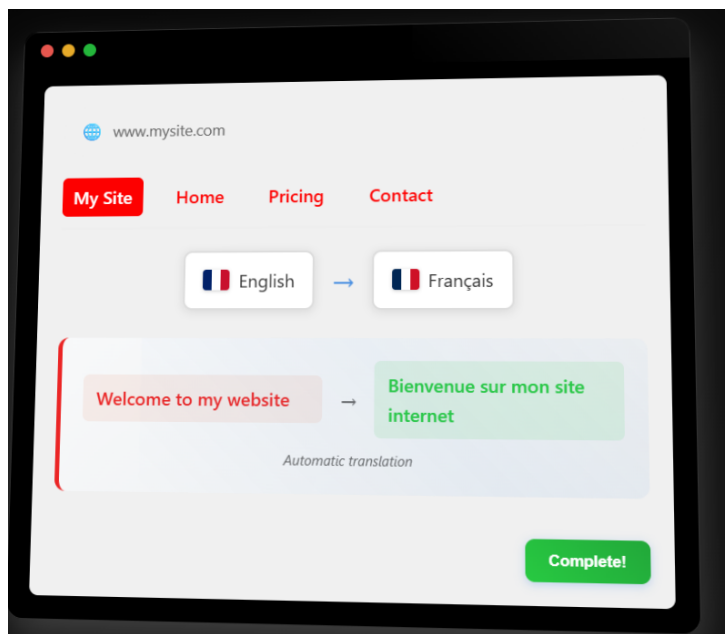
In Week 5, we focused on enhancing user interactivity and simulating core translation functionalities. Here's what we accomplished:

- Completed the full Landing Page UI, including sections like Hero, How It Works, Testimonials, Why Choose Us, and Contact.
  - Designed and added static input/output sections within a newly created Dashboard layout.
  - Implemented JavaScript-based translation simulation — including word-by-word matching and typing animation with a dynamic button state.
  - Debugged and improved the hamburger menu functionality to ensure proper mobile navigation behavior.
  - Refactored and modularized the project by separating all inline styles and scripts into dedicated `style.css` and `script.js` files.
  - Maintained consistent version control and collaboration through GitHub.
  - Began exploring backend technologies like Node.js and Flask for future development phases.
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### Visuals Added –

- **Translation Simulation** – "GO" button with dynamic loading and result update





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## Plan/Tasks for the Next Week –

- Begin developing the Dashboard layout structure in HTML
- Add form validation and input handling for user text areas
- Design and integrate a mock translation API or simulation logic
- Select and begin setting up a suitable backend environment
- Prepare a demo-ready walkthrough of the current frontend progress

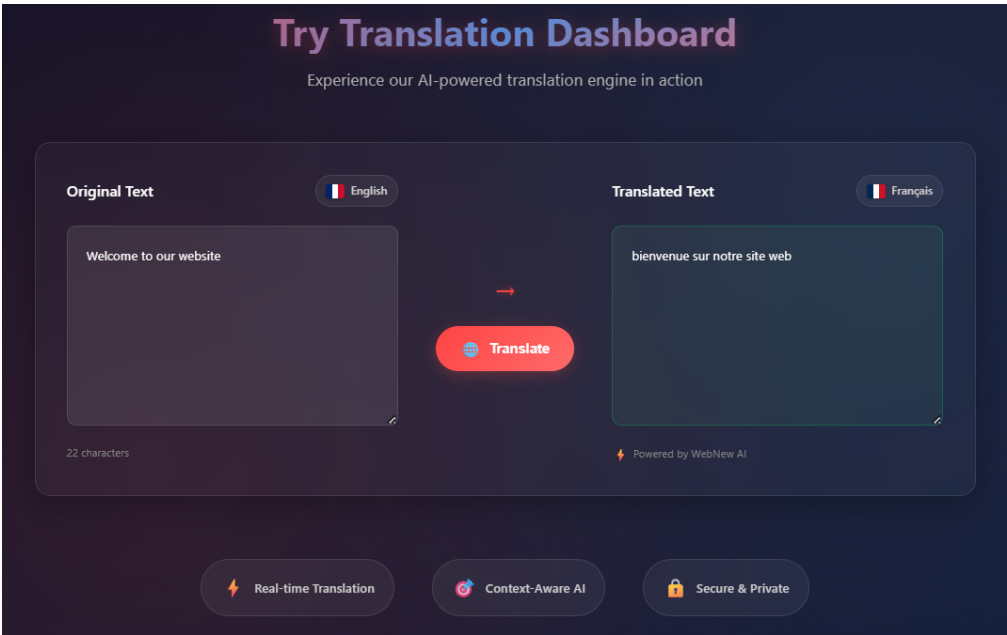
# Week 6

## What we did this week –

- In Week 6, we focused on enhancing the Dashboard and moving closer to a functional prototype. Key accomplishments include:
- Developed and refined the Dashboard layout structure in HTML, ensuring proper sectioning for translation features.
  - Added form validation to the translation input field, preventing empty submissions and guiding users with alerts.
  - Enhanced the JavaScript-based translation simulation with improved delay handling, cleaner output formatting, and better button state management.
  - Conducted mobile and cross-browser testing for both Landing Page and Dashboard, making layout adjustments for consistency.
  - Created a mock API simulation within JavaScript to mimic dynamic translations for demonstration purposes.
  - Maintained active collaboration and regular commits on GitHub, documenting all code changes and testing results.

## Visuals Added –

- Updated Dashboard UI** – Improved structure with validated input/output areas.



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## **Plan/Tasks for the Next Week –**

- Finalize UI refinements for Dashboard and Landing Page based on feedback.
- Add a language selection dropdown to simulate multiple translation targets.
- Conduct full responsive testing across different devices and browsers.
- Prepare a working demo video showcasing the current frontend features.
- Begin preparing a backend setup plan (without coding yet) — including required endpoints, database needs, and integration steps.

# Week 7

## Weekly Progress Report (Week 7)

**Date:** 11th August – 17th August 2025

**Team Members:** Rajdeep Dey, Harshjit Singh Dhami

**Project:** WebNew – Website Translation Platform

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### What we did this week –

In Week 7, we continued building on the Dashboard features and focused on improving interactivity and usability across the platform. Key accomplishments include:

- Finalized UI refinements for both Dashboard and Landing Page, ensuring consistency in design and spacing.
  - Added a language selection dropdown in the Dashboard to simulate multiple translation target options.
  - Implemented a reset/clear button for the input/output fields, improving user control.
  - Integrated a character and word counter in the input area to guide users while typing.
  - Conducted thorough responsive testing across different screen sizes and browsers, making adjustments for smoother performance.
  - Recorded the first draft of a demo walkthrough video showcasing current frontend features.
  - Drafted a backend setup plan, listing required endpoints, basic data flow, and possible database options.
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### Plan/Tasks for the Next Week –

- Start setting up the backend environment (Node.js or Flask).
- Create basic API endpoints for handling mock translation requests.
- Connect frontend Dashboard with backend endpoints for data flow simulation.
- Explore options for storing translation history (temporary local storage vs. database).
- Finalize and polish the demo video for presentation.

# Week 8

## What We Did This Week

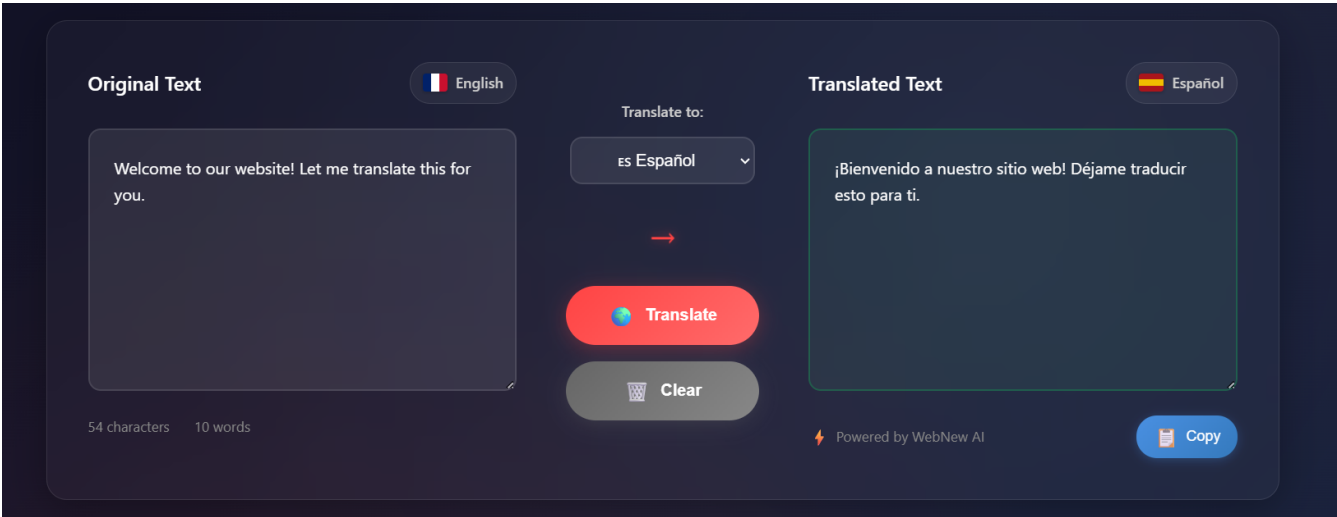
In Week 8, we focused on building the foundation for the backend and overall project structure, while aligning the website closer to professional platforms like *weglot.com*.

### Key Accomplishments:

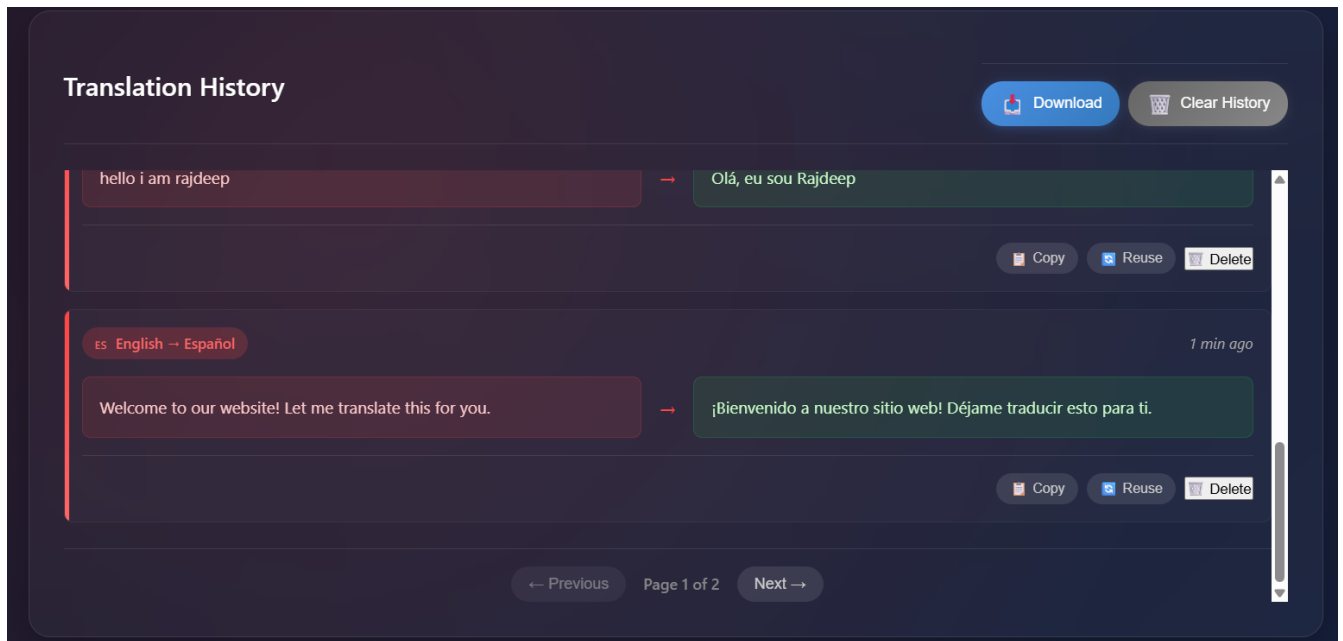
- Structured Folder Organization:** Implemented a clear and logical folder structure to enhance project maintainability:
  - `/public` for static assets (images, logos).
  - `/styles` for all CSS files.
  - `/scripts` for JavaScript logic.
  - `/api` for backend API functions.
  - `index.html` as the main application entry point.
- Initial Backend Setup:** Established a foundational backend using a mock translation API (`/api/translate.js`). This API currently accepts text and a target language, returning simulated translated responses.
- Frontend-Backend Integration:** Successfully connected the frontend Dashboard to the backend API using `fetch` requests for seamless data exchange.
- Translation History Implementation:** Developed a frontend-only Translation History section utilizing `localStorage` to store and display up to 5 recent translations.
- Design Simplification:** Undertook a comprehensive design clean-up, resulting in a more minimal and professional user interface.

### Visual Updates & Demos:

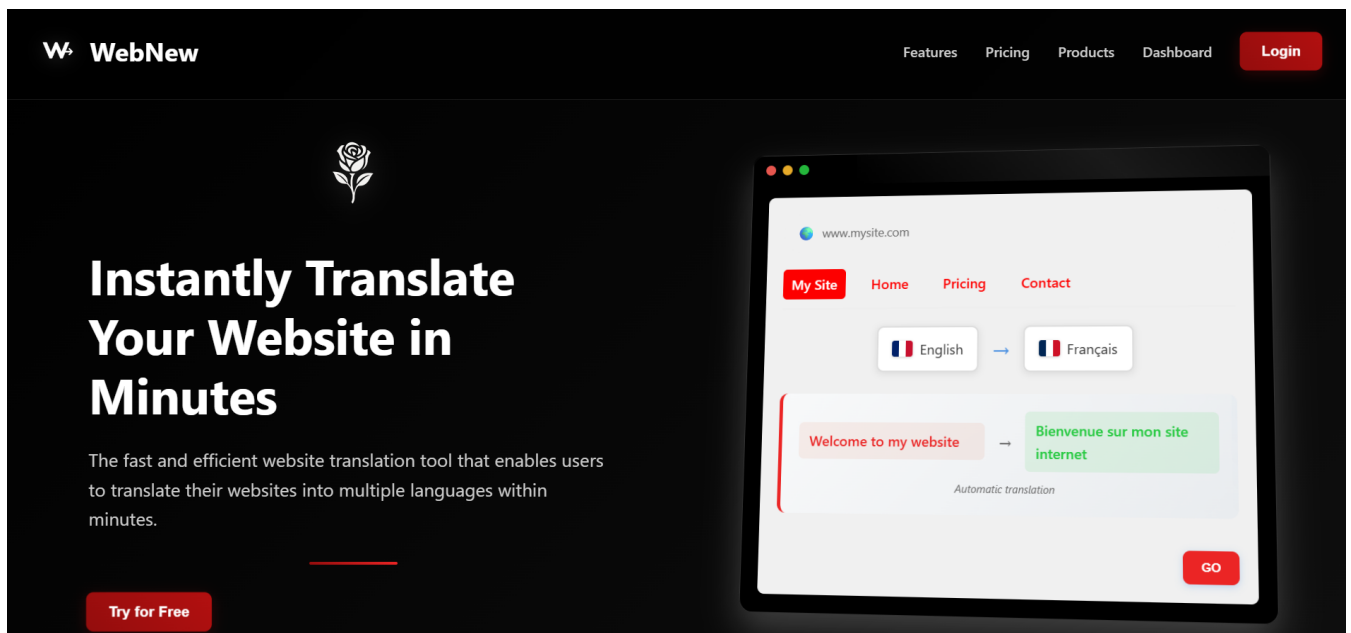
- Dashboard-Backend Translation Flow:** Demonstrated the simulated translation process between the frontend and backend.



- **History Section:** Showcased the functionality of the last 5 translations stored.



- **Refined Landing Page:** Displayed the updated landing page, now more aligned with the *weglot.com* reference.



#### Plan for Next Week:

- **Real Translation Logic:** Expand the backend API to incorporate actual translation functionality.
- **Database Integration:** Begin integrating a database (MongoDB or SQL) to persist data.
- **History Section Enhancements:** Add clear and delete options to the translation history.
- **UI Responsiveness:** Further enhance the user interface for improved responsiveness across devices.
- **Updated Demo Video:** Record and release an updated demonstration video showcasing new features.

# Week 9

## What We Did This Week

In Week 9, we transitioned from mock data to real translation functionality and began database integration.

### Key Achievements:

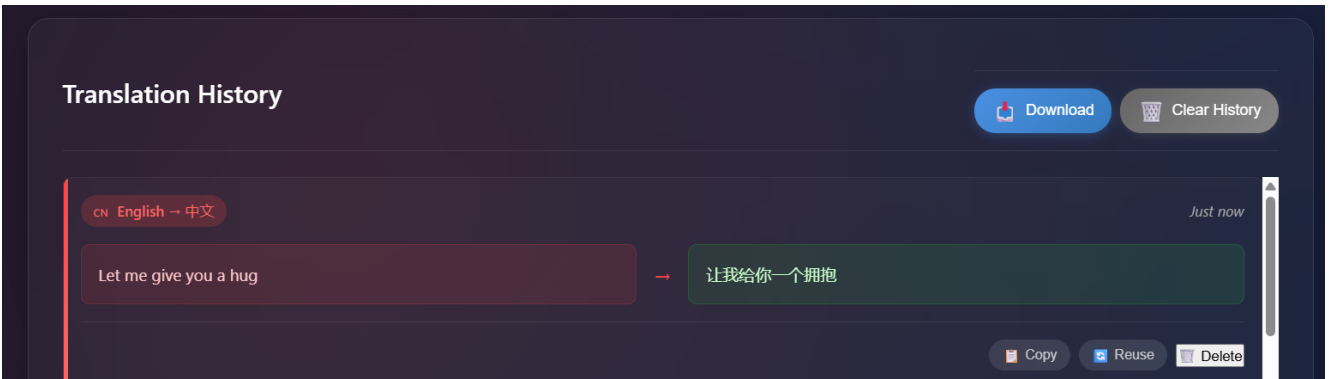
- **Real-time Translation:** Integrated LibreTranslate API, enabling translations in over 10 languages.
- **Persistent Storage:** Set up Supabase PostgreSQL for robust data storage.
- **API Enhancements:** Improved API validation and error handling mechanisms.
- **Translation History:** Expanded functionality to include clearing all entries, deleting individual entries, and supporting over 50 historical translations.
- **Frontend-Backend Integration:** Strengthened the connection between frontend and backend, adding crucial loading indicators for a better user experience.

### Visual Updates:

- Real translation results displayed via LibreTranslate.



- An enhanced history section with full CRUD (Create, Read, Update, Delete) operations.



**Upcoming Week's Focus:**

- Implement pagination for the translation history.
- Introduce a CSV export feature for translation data.
- Finalize comprehensive database integration testing.
- Add a character and word counter for user convenience.
- Further refine error handling and user guidance.

# Week 10

## Weekly Progress Report (Week 10)

**Date:** 1st September – 7th September 2025

**Team Members:** Rajdeep Dey, Harshjit Singh Dhami

**Project:** WebNew – Website Translation Platform

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### What We Did This Week

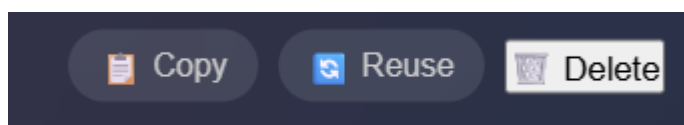
In Week 10, we focused on scalability, data management, and user experience.

#### Key Achievements:

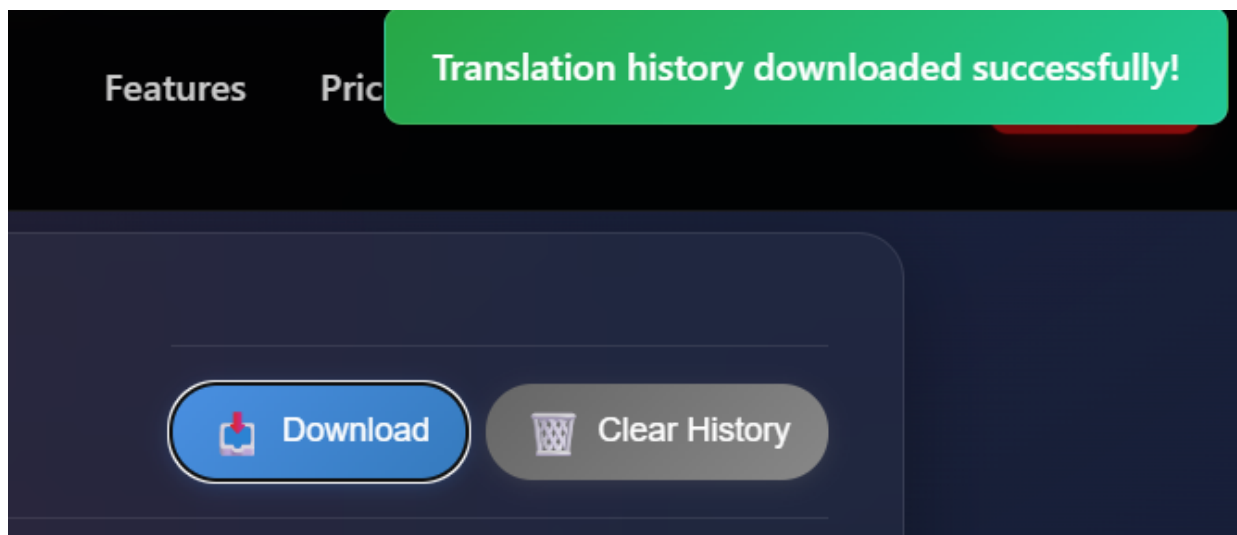
- **Translation History:** Implemented a pagination system and developed CSV export functionality for historical data.
- **Database & API:** Improved database integration with enhanced error resilience and expanded the API to include proper CORS headers, metadata, and performance tracking.
- **User Interface:** Added real-time character and word counters and introduced various visual enhancements.

#### Visual Enhancements:

- Pagination controls with clear page indicators.



- CSV download button within the history section.



- Character/word counters in the input area.

## Original Text

 English

Welcome to our website! Let me translate this for you.

54 characters    10 words

### Upcoming Week's Focus:

- Implement source language detection.
- Ensure support for legacy API parameters.
- Add copy-to-clipboard functionality for translated text.
- Refine loading states and user feedback mechanisms.

# Week 12

## Weekly Progress Report (Week 12)

**Date:** 15th September – 21st September 2025

**Team Members:** Rajdeep Dey, Harshjit Singh Dhani

**Project:** WebNew – Website Translation Platform

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### What We Did This Week

In Week 12, we focused on **finalization, polish, documentation, and presentation.**

#### Key Achievements:

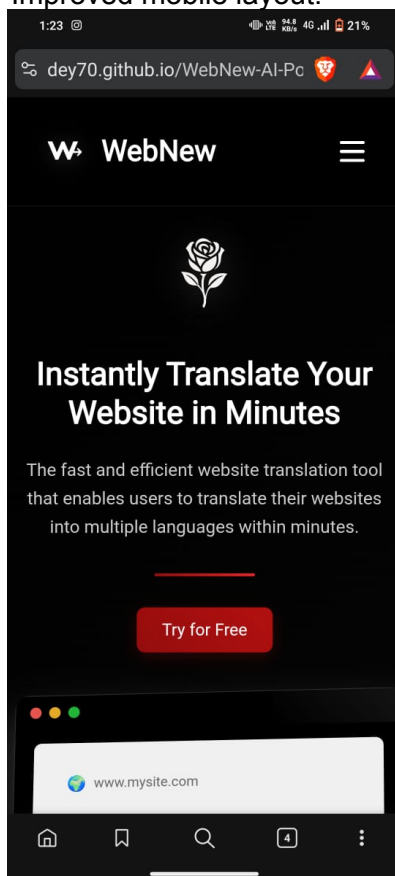
- **UI/UX Enhancements:** Completed comprehensive refinements and ensured responsive design.
- **Quality Assurance:** Conducted thorough feature testing and resolved all identified bugs.
- **Documentation:** Updated and finalized the [README.md](#) document.
- **Performance Optimization:** Improved performance and optimized database queries.
- **User Experience:** Enhanced UX with the addition of keyboard shortcuts and improved notification systems.
- **Code Quality:** Cleaned up the project structure and added essential code comments.
- **Deployment Readiness:** Prepared all necessary demo materials and verified deployment compatibility.

#### Visual Updates:

- Polished UI elements and animations.

<https://github.com/Dey70/WebNew-AI-Powered-Website-Translation-Platform/blob/main/public/2025101-1944-51.0858405.mp4>

- Improved mobile layout.



**Planned Future Enhancements:**

- User authentication and personalized history features.
- Introduction of premium features and usage limits.
- Integration widget for websites.
- Support for bulk translation and file uploads.
- Implementation of translation memory and an analytics dashboard.
- Further improvements to translation quality through ML-based enhancements.

# PROJECT SUMMARY

## Project Summary:

This translation platform was developed over 12 weeks (Weeks 1 - 12) and is now production-ready.

## Key Features:

- Real-time translation powered by LibreTranslate API, supporting over 10 languages.
- Persistent storage and translation history with pagination, backed by Supabase.
- Functionality for CSV export, character and word counting, and copy-to-clipboard.
- Robust error handling and a fully responsive design with a professional, industry-standard UI.
- Complete documentation.

## Tech Stack:

- **Frontend:** HTML5, CSS3, JavaScript (ES6+), Next.js, React
- **Backend:** Node.js, TypeScript (API routes)
- **Database:** Supabase (PostgreSQL)
- **Translation Service:** LibreTranslate API

The project is fully prepared for demonstration and submission.

## WebNew – AI-Powered Website Translation Platform

 [Live Project Link](#)