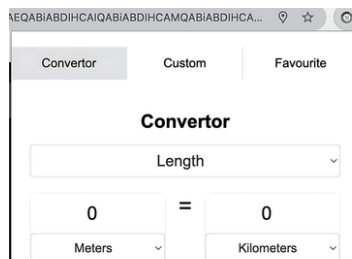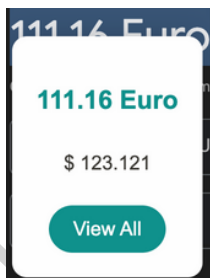# SMART UNITS CONVERTER

Smart Units Converter is the easiest way to convert units without manually selecting them. Whether you are shopping online, calculating measurements, or navigating new time zones, this browser extension will seamlessly convert units with a single click. Offering a wide range of practical use cases, Smart Units Converter helps you save time and effort online. This project is especially interesting for those that want to learn and gain some experience with Javascript, NodeJS, HTML, CSS, and browser extensions.

WORKING SCREENSHOTS

SMART UNITS CONVERTER 1.0

- **Instant Conversions:** Convert units instantly, no browser tab-switching needed!
- **No More Copy-Paste:** Just highlight and convert – it's that easy.
- **All-in-One Tool:** Currencies, lengths, time zones – all conversions in one place!
- **Customizable Conversions:** Tailor your conversions with custom units.
- **Favorited Conversions:** Save your go-to conversions for lightning-fast access!
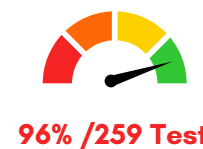
SMART UNITS CONVERTER 2.0

1. **Enhanced UI/UX:** Add dark/light modes and personalized settings using vanilla CSS for theming and store user preferences in localStorage.
2. **Multilingual Support:** Enable auto-detected multilingual features using JavaScript's navigator.language API for detection and integrate i18next for handling translations.
3. **Historical Data Integration:** Provide access to past exchange rates by integrating the Open Exchange Rates API and using Chart.js for visualizing historical data within the extension's.
4. **Expanded Conversion Options:** Broaden unit and currency databases by integrating an API (e.g., fixer.io) and use Node.js to manage data requests and updates.
5. **AI-Driven Predictions:** Forecast future exchange rates by using TensorFlow.js to build a lightweight machine learning model that runs directly in the browser.

LEARNING

Gain hands-on experience in UI design using CSS and JavaScript, API integration with services like Open Exchange Rates, and AI analytics using TensorFlow.js. Enhance our skills in database management with Node.js while working on real-time data and machine learning, perfect for building modern, responsive apps!

GITHUB REPO

CODE COV

96% /259 Test

DEMO