

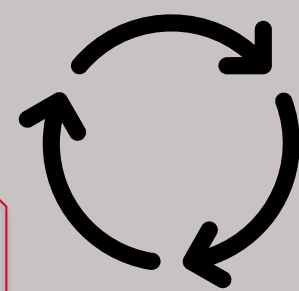
NC STATE

Intro:

Smart Units Converter is a chrome extension which can change the units of measure(Price, Temperature, Capacity, Length) to other units of measure. Once you select the measure, a popup will be shown other converted units of measure.

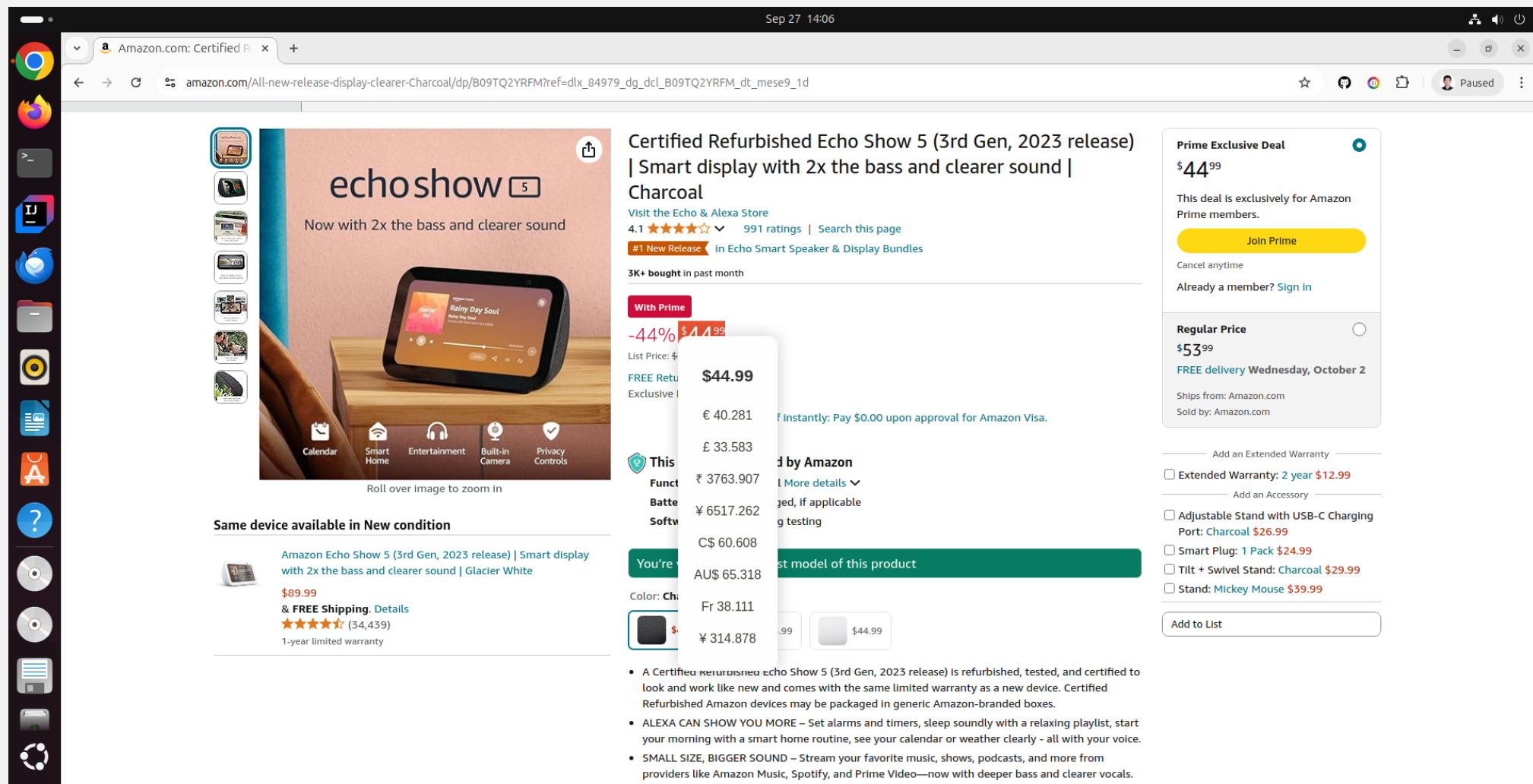
Smart Units Converter

- Upload the extension to Google Chrome Store to increase the scalability.
- Include other languages into Smart Units Converter.
- Update the content scripts and background scripts.
- Providing users with more freedom to define custom unit conversions across various categories, including area, length, currency, data, data transfer, mass, speed, temperature, time, and volume.



Version i+1

Example!



Test Cases

Basic Test: Select 1 USD and convert to JPY.

Custom Test: Set 1 meter equal to 3 subs and then perform the conversion.

Bulk Test: Select 1 kilometer and view all possible conversion results

UI Test: Set pint and gallon as favorites.

Popup Feature Test: Click the extension icon in the top-right corner of the browser.

Error Handling Test: Enter abc as the value to be converted. The extension should display an error message or prompt the user to input a valid value.

Milestones

- **M1:** Expand the Smart Units Converter to other language. E.x. Chinese, German, French.
- **M2:** Provide users with more freedom to define custom unit. We will implement patch convert and copy paste function.
- **M3:** Include all other js resources into content and background scripts which improve the security.
- **M4:** Modify our code to meet the requirements of google chrome store.

Demo

Scan me!

