

Tesco Price Tracker Extension

A browser extension that tracks and visualizes price history for products on the Tesco Hungary website (bevasarlas.tesco.hu).

Features

- **Price History Charts:** Automatically injects a Chart.js-based price history graph directly onto Tesco product pages.
- **Detailed Statistics:** Shows lowest, highest, and average prices over the last 30 days.
- **Multi-language Support:** Automatically detects and switches between English and Hungarian based on the page URL.
- **Clubcard Price Support:** Tracks both regular and Clubcard-specific prices.
- **Global Toggle:** Easily enable or disable the tracker via the extension popup menu.

Support Sites

The extension is designed to work on:

- https://bevasarlas.tesco.hu/groceries/en-HU/products/*
- https://bevasarlas.tesco.hu/groceries/hu-HU/products/*

Installation

For Development (Manual Load)

1. Open your browser's extensions page:
 - **Chrome:** <chrome://extensions>
 - **Firefox:** <about:debugging#runtime/this-firefox> (or <about:addons>)
2. Enable **Developer Mode**.
3. Click **Load unpacked** (Chrome) or **Load Temporary Add-on** (Firefox).
4. Select the [extension/](#) folder in this project.

How it Works

1. **Content Script:** When you visit a supported Tesco product page, [content/content.js](#) identifies the product unique identifier (TPNC).
2. **Data Fetching:** The extension requests historical price data from the backend or local storage.
3. **Visualization:** Using [Chart.js](#), it renders a line chart showing price fluctuations.
4. **Localization:** Labels are translated into English or Hungarian depending on the user's current Tesco site language.

Project Structure

- [manifest.json](#): WebExtension metadata and permissions.
- [background/](#): Contains [background.js](#) for handling cross-tab messaging and background tasks.
- [content/](#):

- `content.js`: The script that runs in the context of the Tesco website.
- `chart.umd.min.js`: The bundled Chart.js library.
- `content.css`: Styles for the injected chart container.
- `popup/`: The small UI container seen when clicking the extension icon.
- `icons/`: Essential icons for the extension.

License

This project is licensed under the [LICENSE](#) file in the root directory.