

C-0950760

01

CRYPTOCURRENCY TRACKER

Project - JavaScript - II

- A modern, interactive web app to track and compare top cryptocurrencies.
- Built using:
- HTML (Structure)
- CSS (Styling)
- JavaScript (Functionality + Live Data)
- Powered by the CoinGecko API.

DIGITAL
CRYPTOCURRENCIES

Project Overview

Title: CRYPTO CURRENCY TRACKER

Content:

- Displays real-time market data for top 50 cryptocurrencies.
- Allows users to:
 - View prices, market caps, and 24h changes.
 - Sort coins by market cap.
 - Select up to 5 coins to compare side by side.
 - Save preferences locally.



HTML STRUCTURE :

Title: Laying the foundation with HTML

Content:

<main> is split into three sections:

- Available Cryptocurrencies — dynamic list from API.
- Compare Cryptos — selected coins shown here.
- User Preferences — 24h toggle and sort dropdown.

Simple and semantic structure for accessibility.



CSS STYLING :

Title: Creating a Clean, Responsive UI

Content:

- Uses grid layout for coin display.
- Cards dynamically styled with 3 different background colors.
- Interactive effects:
- Hover scale on cards
- Disabled state for Compare button
- Light, modern palette with gradient header.



JavaScript Fetching API Data:

Title: Real-Time Crypto Data with Fetch API.

Content:

- Fetches 50 coins from CoinGecko using `fetch()`.
- URL params:
 - `vs_currency=usd`
 - `order=market_cap_desc`
 - `per_page=50, page=1`
- Uses `async/await` for smooth async operation.
- Updates every 60 seconds via `setInterval()`.



JavaScript – Rendering Coins :

Title: Rendering Crypto Cards Dynamically.

Content:

- Loops through coins and generates HTML dynamically.
- Applies color-coded styling with `.row-${index % 3}`.
- Adds onclick handlers to allow selection.



SELECTION & COMPARISION LOGIC :

Title: Selecting COINS to compare.

Content:

- Max 5 coins can be selected.
- Selected coins are:
- Highlighted in a separate section.
- Removable via a "Remove" button.
- Compare button is enabled only when 5 coins are selected.



USER PREFERENCE HANDLING :

Title: Saving & Applying User Preferences

Content:

- Preferences saved in `localStorage`:
 - `show24h` (Boolean)
 - `sortOrder` (String)
- UI reflects saved preferences on load.
- Event listeners update both UI and data.



CODE ARCHITECTURE OVERVIEW :

Title: MODULAR & MAINTAINABLE JavaScript.

Content:

- Major Functions:
- `loadData()` – Main data loading & rendering trigger
- `renderCryptoList()` – Displays all coins
- `renderSelected()` – Displays selected coins
- `toggleCoin() / removeCoin()` – Manage selection
- `updateLocal()` – Save state to localStorage
- Keeps logic clean and scoped.





THANK YOU

ABOUT
CRYPTOCURRENCY