

Rail Currency Streamlit Application

This document provides documentation for the **Rail Currency Interface** web application, built with **Streamlit** and deployed on **Streamlit Cloud**. The app enables users to interactively explore specifications of currency denominations based on parameters such as Currency, IO Module, Denomination, and Emission.

Key Features

- Interactive dropdowns for Currency, IO Module, Denomination, and Emission.
- Displays final specifications including Rail Width, Rail Height, Note Width, and Note Height.
- Reset button to quickly return to default selections.
- Responsive UI with styled metrics cards.
- Deployed with a permanent URL: <https://railcurrency.streamlit.app/>

Usage Instructions

- 1 Step 1: Choose a Currency from the dropdown.
- 2 Step 2: Select an IO Module available for that currency.
- 3 Step 3: Choose a Denomination.
- 4 Step 4: Pick the Emission type.
- 5 The app displays the final specifications based on your selection.

Deployment Information

The application is hosted on **Streamlit Cloud**. Repository: GitHub (<https://github.com/Mo2070/Rail>) Branch: `main` Main file path: `App/main.py` Python version: 3.10 Dependencies are managed via `requirements.txt`.

Future Enhancements

- Add multi-page support (e.g., comparison page).
- Enable data download (CSV/PDF) for filtered results.
- Dark/light theme toggle for better accessibility.