



JAVA
BROTHERS

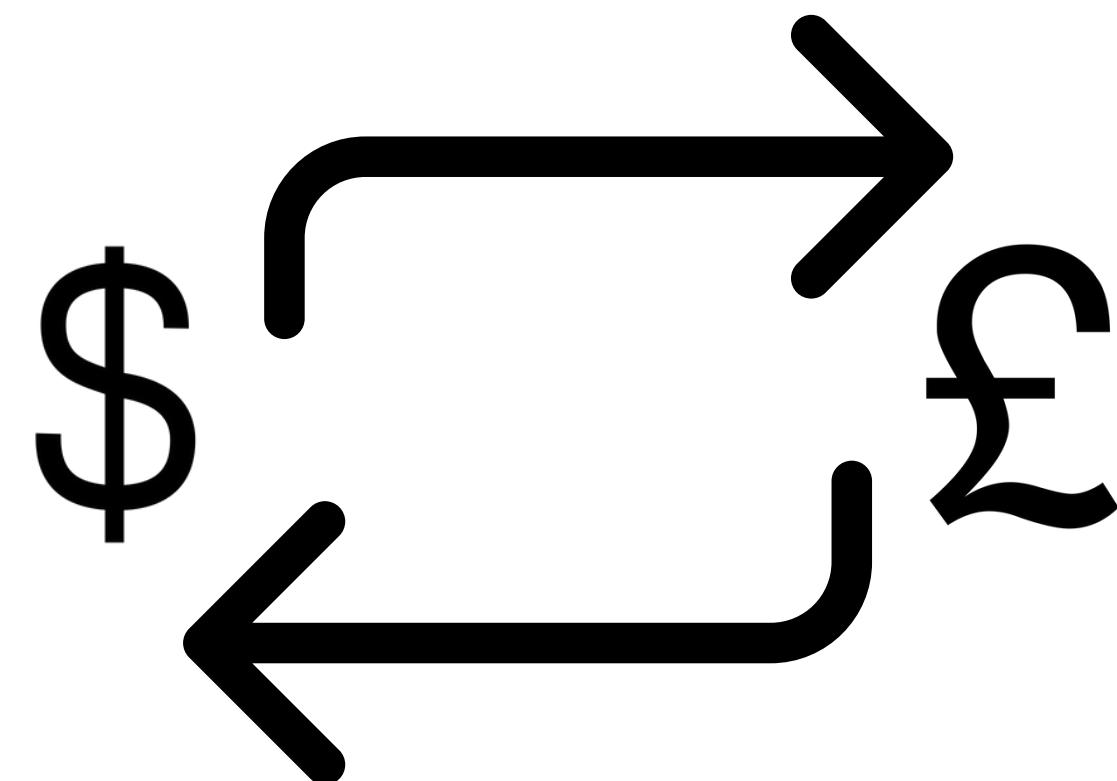
Currency Converter

Welcome to the Presentation

A group project by Aspiring Computer Engineers

22 December, 2025

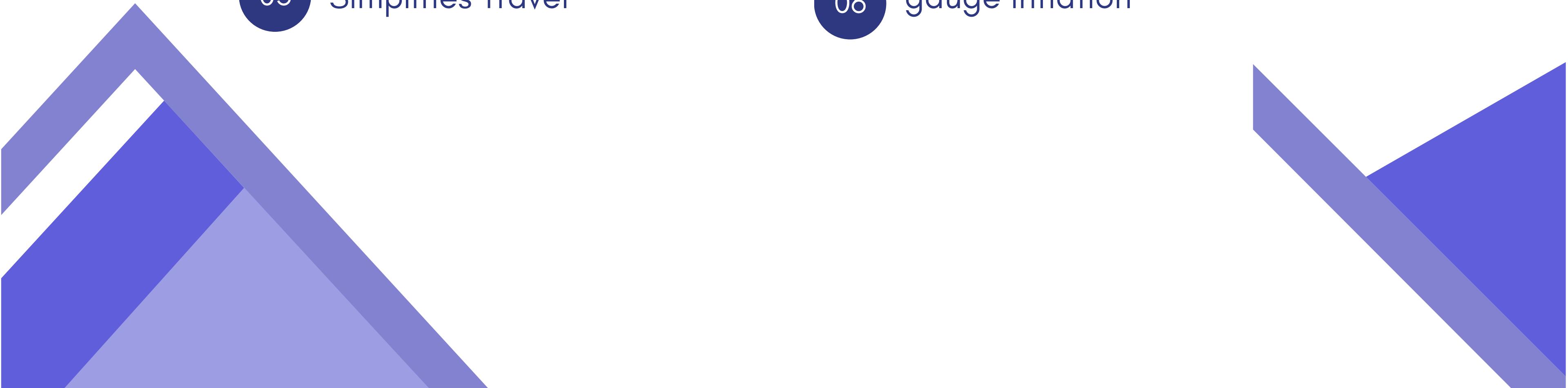
What is a currency converter



**A Program that takes in Value
of Currency A**

Returns the Value in currency B

Why is a Currency Converter needed

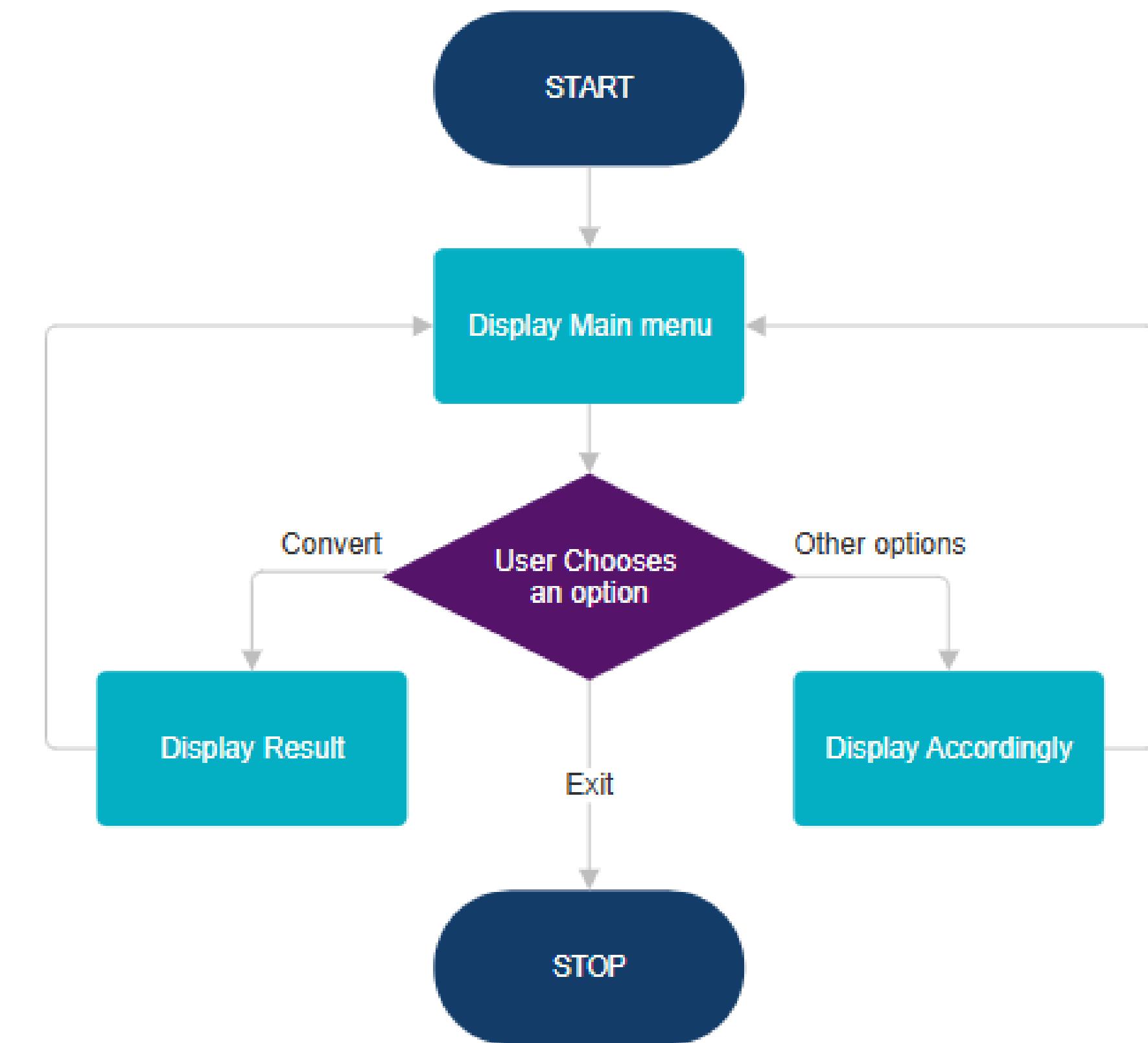
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- 01 Facilitates International Trade
 - 02 Online Shopping
 - 03 Simplifies Travel
 - 04 Eliminates manual calculation error
 - 05 Investment and forex trading
 - 06 gauge inflation

Flowchart

Simple loop running until user exits

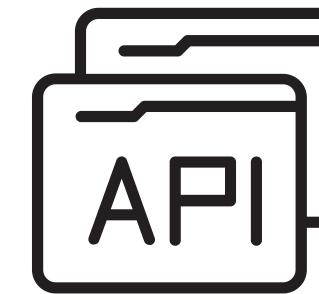
Each method running for each case

- Convert Currency
- Supported Currencies
- View History
- Clear History
- About Developers



Room for improvement

Improving the API can make the currency converter more robust and accurate. This includes adding additional currencies, updating rates more frequently, handling network or server errors gracefully, providing historical exchange data, including metadata like country and symbol information, and offering faster response times. Enhanced API reliability ensures user trust and real-time accuracy.



Application Programming Interface

Using an API allows real-time currency rates, making conversions accurate, up-to-date, and eliminating the need for hard-coded static rates.



Graphical User Interface

A GUI (Graphical User Interface) allows users to interact with software visually using buttons, icons, windows, and menus instead of text.



Using Database

Using a database stores conversions securely, enables efficient retrieval, supports multiple users, maintains persistent history, and allows advanced features like analytics or reporting.



Thank You

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