

Currency Converter Manual

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Introduction

1.1 Overview

Currency converter (or currency exchange) is a mini project coded in Java programming language. This simple application provides a web-based interface for exchanging/converting money from one currency (such as \$) to another currency (such as €).

1.2 Purpose

The purpose of this software is to streamline the currency exchange process by providing a simple interface for converting currencies (such as \$) to another currency (such as €).

1.3 Key Features

- **Real-time Currency Updates:** Provides up-to-date currency exchange rates to ensure accurate conversions.
- **User-Friendly Interface:** Simple web-based interface that allows easy selection of currencies for conversion.
- **Multi-Currency Support:** Supports various currencies to cater to users transferring money across different countries.
- **Conversion Calculator:** Allows users to enter the amount in one currency and displays the equivalent amount in another currency.
- **Daily Market Variations:** Regular updates on currency values reflecting the latest market changes for accurate transactions.

Installation and Configuration

This section outlines the steps required to install and set up the software, including system requirements and any necessary configurations.

2.1 System Requirements

Requirement	Specification
Operating System	Windows 11 , macOS 10.12
Processor	intel 7 or 6
Memory	8GB RAM
Storage	2 GB available space
Internet Connection	Required for initial setup and updates

Table 2.1: System Requirements

2.2 Installation Steps:

1. Download the Program:

- **Go** to the official website of the currency converter program.
- **Look** for the download section on the website and click the download link and wait for the file to finish downloading.

2. Run the Installer:

- **Go** to the folder where the file was downloaded (usually in the "Downloads" folder).
- **Double-click** on the installer file and follow the on-screen instructions

3. Initial Setup:

- **After** completing the installation, open the program
- **Choose** your preferred language for the program interface.
- **(Set the Default Currency)** Choose the currency you frequently use for conversions.

2.3 Configuration Steps:

1. Open Setting:

- **Open** the program and navigate to the settings menu
- **Review** the available options to configure the program according to your needs

2. User Preferences:

- **Choose** the language you prefer for the program interface.
- **Select** a theme that fits your style (Light, Dark, etc.).

3. Save Changes:

- **Save** changes and restart the software if necessary to apply the new setting

User Guide

3.1 Introduction

3.1.1 Overview

The Currency Converter Java Mini Project is a web-based application designed to convert money from one currency to another. It provides real-time exchange rates and is useful for business, finance, and personal use.

3.1.2 Key Features

- Real-time currency exchange rates
- User-friendly web interface
- Supports multiple currencies

3.2 Getting Started

3.2.1 Opening the Application

To open the application, launch your web browser and navigate to the application's URL.

3.2.2 Main Interface

The main interface consists of a dropdown menu for selecting currencies, an input field for entering the amount, and a button to perform the conversion.

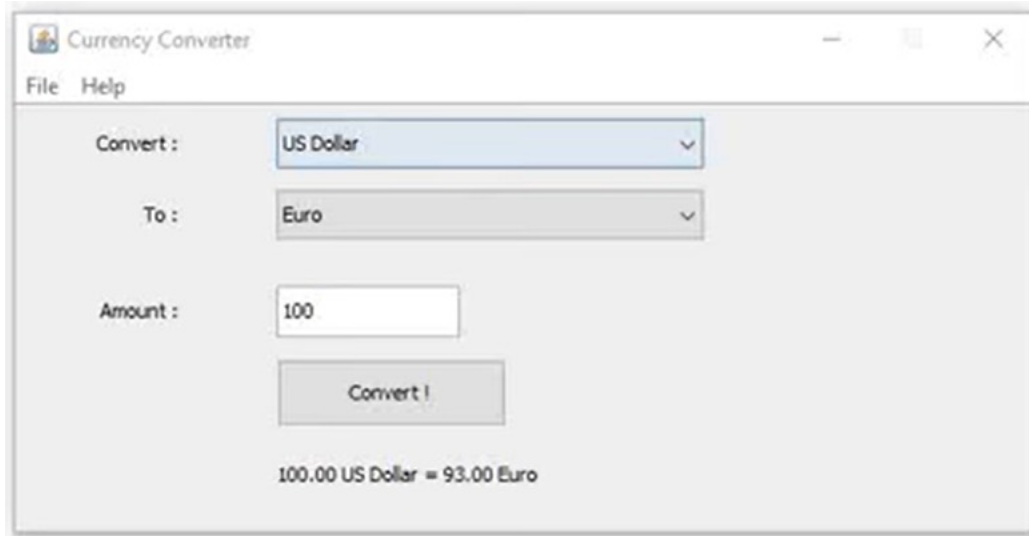


Figure 3.1: Main Interface of the Currency Converter Application

3.3 Using the Currency Converter

3.3.1 Selecting Base Currency

1. Open the application in your web browser.
2. Select the currency you want to convert from using the dropdown menu labeled "Convert:".

3.3.2 Selecting Target Currency

1. Select the currency you want to convert to using the dropdown menu labeled "To:".

3.3.3 Entering the Amount

1. Enter the amount you wish to convert in the input field labeled "Amount:".

3.3.4 Viewing the Results

1. Click the "Convert" button.
2. The converted amount will be displayed on the screen.

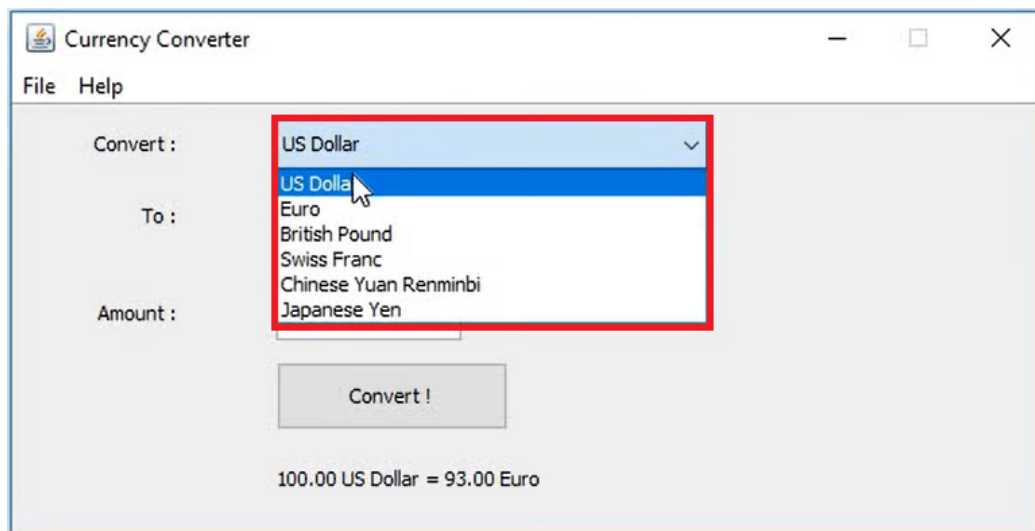


Figure 3.2: Selecting Base Currency

3.4 Advanced Features

3.4.1 Updating Exchange Rates

To update the exchange rates, click on the "Update Rates" button. The application will fetch the latest rates from the server.

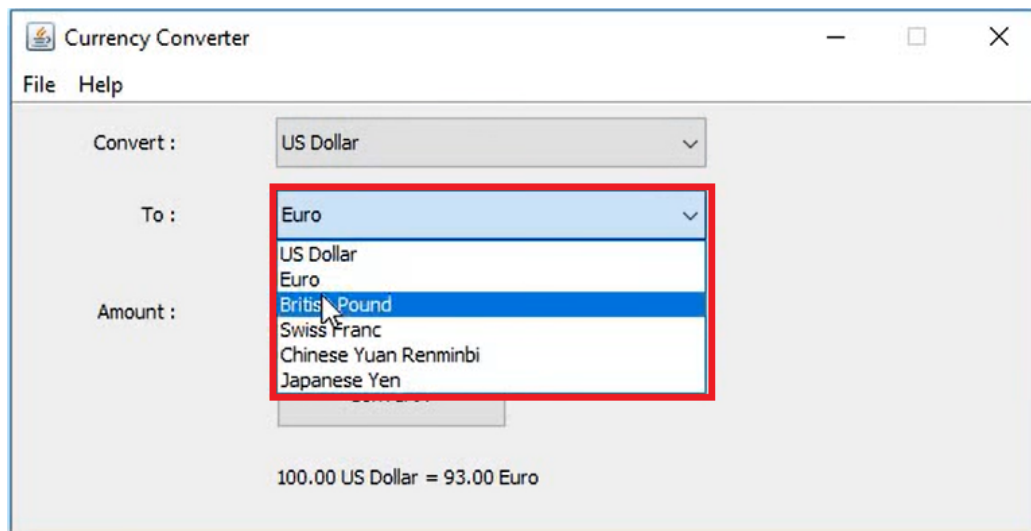


Figure 3.3: Selecting Target Currency

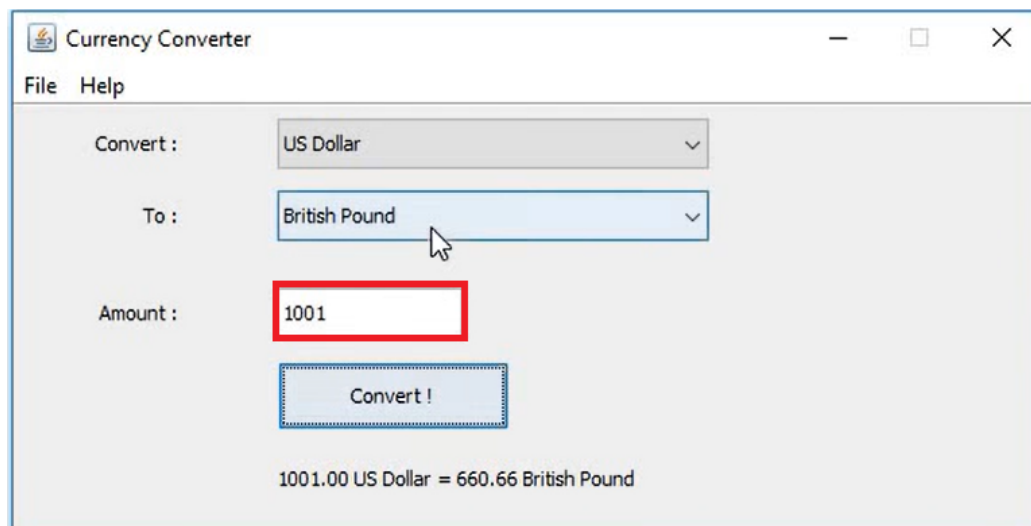


Figure 3.4: Entering the Amount

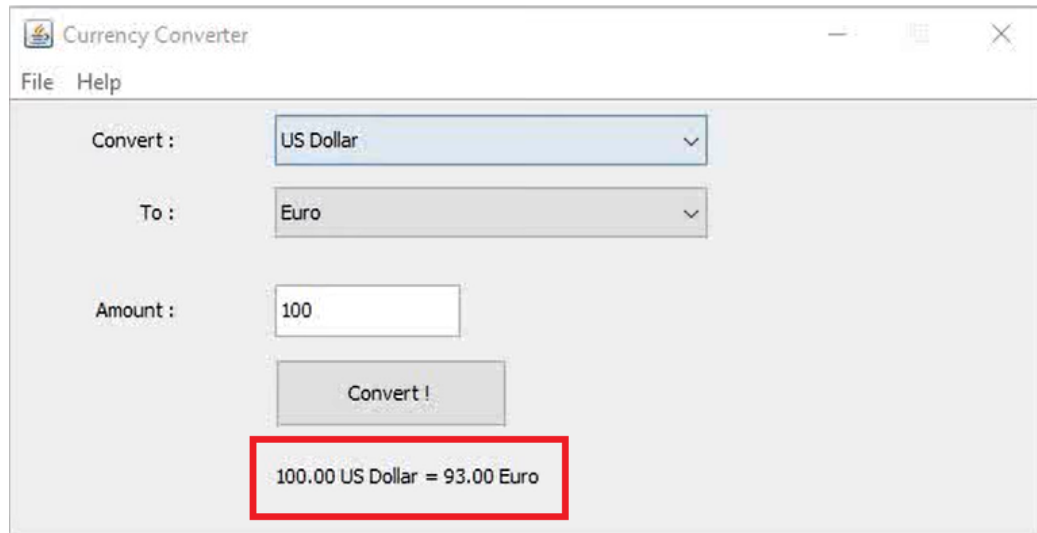


Figure 3.5: Viewing the Results

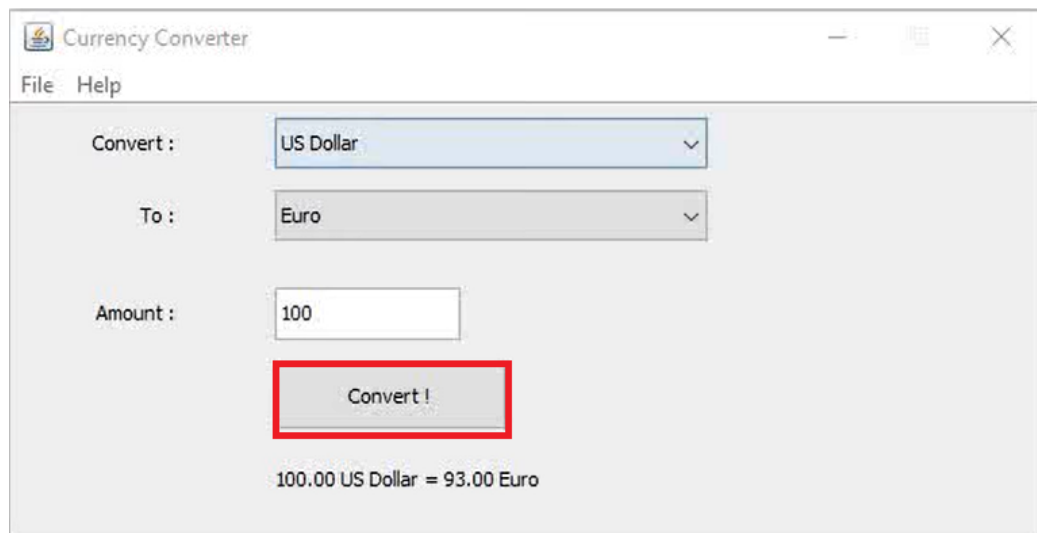


Figure 3.6: Updating Exchange Rates

Troubleshooting and Support

In this section, we address common issues and errors that users may encounter while using the Currency Converter software, along with steps to resolve them.

4.1 Common Issues

- **Application Not Launching:** If the application fails to start, ensure that you have the latest version of Java installed on your system. Check your system requirements and ensure compatibility. If the problem persists, try reinstalling the software.
- **Incorrect Exchange Rates:** If the exchange rates appear to be outdated or incorrect, verify your internet connection, as the application requires real-time data from an online source. You may also need to refresh the application to retrieve the latest rates.
- **Conversion Errors:** If the conversion results seem incorrect, double-check the input values for accuracy. Ensure that the selected currencies are valid and that the input amount is numerical and within a reasonable range.
- **User Interface Issues:** If you encounter layout or display problems, try resizing the application window. Ensure your screen resolution meets the software's requirements. Additionally, clearing the cache or reinstalling may help resolve persistent UI issues.
- **Contacting Support:** For unresolved issues or further assistance, please contact our support team via email at support@example.com. Provide a detailed description of the problem, including screenshots if possible, to help us assist you more efficiently.

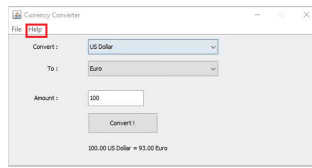


Figure 4.1: Contact Support

By following these troubleshooting steps, users can quickly resolve common issues and enhance their experience with the Currency Converter software.

Glossary and Licensing

5.1 Glossary

- **Currency Converter:** A software application that allows users to exchange money between different currencies.
- **Exchange Rate:** The value of one currency for the purpose of conversion to another.
- **Real-Time Updates:** Continuous updates that provide the latest currency exchange rates.
- **User Interface (UI):** The space where user interaction with the application occurs.

5.2 Licensing and Legal Information

The software is licensed under applicable licensing terms. For legal information and copyright details, please refer to the original project source.

For the Java code of this currency converter project, visit the following link: <https://projectworlds.in/java-projects-with-source-code/currency-converter-java>