

Domain: Java Programming

Project 2: Currency Converter using Java Swing

Project Title: Currency Converter using Java Swing

Project Objective:

The objective of this project is to build a Java-based currency converter application using Swing that allows users to convert amounts between multiple currencies with accurate calculation and user-friendly interaction.

Technologies to Use:

- Java (JDK 8 or later)
- Swing (for GUI)
- IntelliJ IDEA / Eclipse / NetBeans (IDE)

Tasks Breakdown:

1. Set up Java project and import Swing libraries.
2. Design GUI with text fields, labels, dropdowns, and buttons.
3. Implement event listeners for button actions.
4. Write conversion logic using static exchange rates.
5. Integrate input validation for numeric values.
6. Display conversion result dynamically on GUI.
7. Add reset/clear functionality to refresh inputs.
8. Test conversions for all supported currencies.

Submission:

Submit the project folder in ZIP file.

Submit the .java source file.

The ZIP will include all files that were used to create the project and Project Report PDF file.