**PROJECT REPORT**

**SUBMITTED TO: SUBMITTED BY:**

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Abstract

Different countries use different currency, and there is daily variation in these currencies relative to one another. Those who transfer money from one country to another (one currency to another) must be updated with the latest currency exchange rates in the market.

Currency converter mini project is built keeping this thing in mind. It is simply a calculator-like app developed using Ajax, Java servlets web features. In this application, there is regular update about currency of every country by which it displays present currency market value and conversion rate.

Such application can be used by any user, but it is mainly useful for business, shares, and finance related areas where money transfer and currency exchange takes place on a daily basis.

In this currency converter app, users are provided with an option to select the type of conversion, i.e. from “INR” currency to “Dollar” currency. This simple feature allows users to enter amount to be converted (say currency in Dollars), and display the converted amount (say currency in Rupee).

Project Profiles

1. Project Partners:

* Strength:4
* Name: RISHI TIWARI

1. Hardware / Software Environment:

Hardware:

* Intel Pentium IV or above
* 700 M.B. of Hard Disk Drive (Free space Memory)
* 256 M.B. of R.A.M.

Software:

* Operating System: Windows 7 or above

Mac OS X or above

Linux

1. Development Tools:

* Front End: Java Swing, Java AWT (Eclipse, VS Code 2020)
* Back End: Java, (Eclipse, VS Code)

1. Documentation & Presentation Tools:

* Microsoft Word 2019.
* Microsoft PowerPoint 2019.

System Overview

**Introduction:**

**Purpose:**

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 (say $) to another currency (say rupee ).

**Scope:**

Many businesses can use this application to ease their daily business stuffs. This application facilitates them to make easy currency conversions and it is very easy to use.

Objective

* Create a Window application using Java
* Runtime package and deployment instructions are given.

Scope

Project Development Approach

**Software Process Model:**

**Approach:** To solve this problem, the following steps are followed:

1. First, we need to create a frame using [JFrame](https://www.geeksforgeeks.org/creating-frames-using-swings-java/).
2. Then, create two labels, two textfields and three buttons(the first button for rupees and the second button is for the dollar) using [JLabel](https://www.geeksforgeeks.org/jlabel-java-swing/), [JTextField](https://www.geeksforgeeks.org/java-swing-jtextfield/) and [JButton](https://www.geeksforgeeks.org/jradiobutton-java-swing/).
3. Name these components accordingly and set their bounds.
4. Now, in order to perform the conversion on button click, we need to add Event Handlers. In this case, we will add ActionListener to perform an action method known as actionPerformed in which first we need to get the values from the text fields which is default as a “string”.
5. So, in order to perform mathematical operations, we need to convert them into double data type using **Double.parseDouble(Object.getText())** and again converting from double to string to place the final value in the other text field using **String.valueOf(object)**.
6. Finally, for changing the values, we use Object.setText(object), the second object is for selecting which field we want to replace.

System Requirement Study

**User Characteristics**

**System User can do the following functions in the System.**

System Requirement

**Hardware:**

* Pentium IV or above
* 700 MB Hard Disk Drive Space.
* 256 MB RAM.

**Software:**

* Operating System: Windows 7 or later, macOS 10, Linux.
* Front End: Java (Eclipse, V.S. Code 2020).
* Back End: MySQL

System Analysis

Requirements of New System

**User Requirements.**

Feasibility Study

**Feasibility Study:**

**Economically Feasibility:**

**Technical feasibility:**

**Behavioural Feasibility:**

Features of the New System

**Features of the New System.**

The new system has been designed as per the user requirements so as to fulfil almost all them.

1. **User Friendly**:

The proposed system is user friendly because the retrieval and storing of chats is fast and chats are maintained efficiently. Moreover the graphical user interface is provided in the proposed system, which provides user to deal with the system very easily.

1. **UX/UI Design:**

The UX/UI Design of the application improves the user experience and customer satisfaction that ultimately helps increase the number of users of the application

1. **Computer operator control**:

Computer operator control will be there so no chance of errors.. So, work can be done speedily and in time.

Summary

**Project Title: CURRENCY CONVERTER**

**Software Used:**

* Visual Studio Code 2020, Eclipse

**Documentation Tools:**

* Microsoft Word 2019.
* Microsoft PowerPoint 2019.

**Internal Project Guide:**

**JYOTI MEHRA**

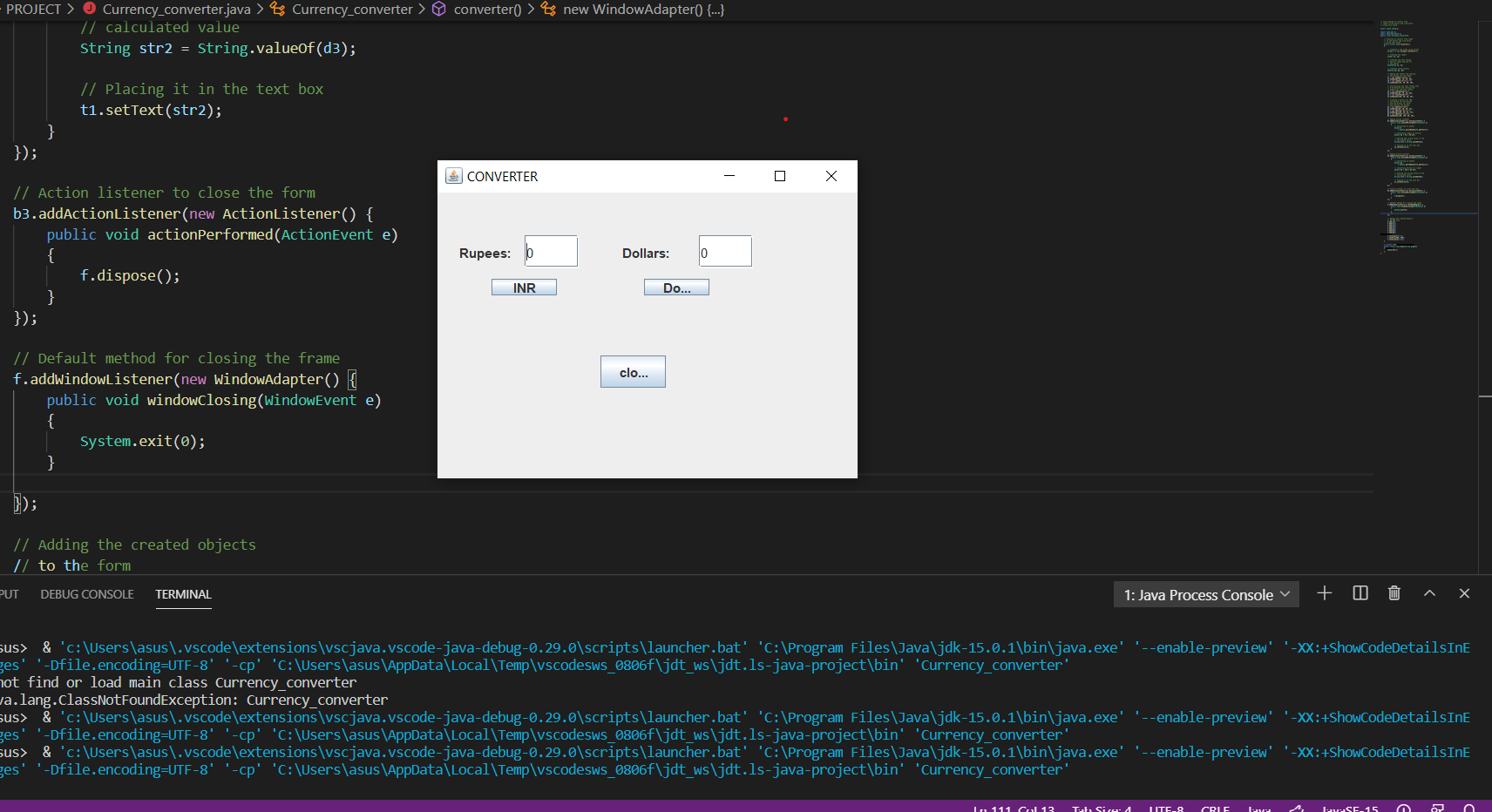
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**Submitted To:**

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Screen Layout

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