CC(currency converter)

**Currency Converter App Overview**

**✨ Features:**

* Convert currency from one type to another.
* Fixed exchange rates for simplicity (e.g., USD to INR, EUR to INR, etc.).
* Basic UI using Visualforce and backend logic in Apex.

**🔹 Step 1: Apex Controller – CurrencyConverterCont**

apex

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public class CurrencyConverterCont {

public Decimal amount { get; set; }

public String fromCurrency { get; set; }

public String toCurrency { get; set; }

public Decimal convertedAmount { get; set; }

// Simple static exchange rates

Map<String, Decimal> exchangeRates = new Map<String, Decimal>{

'USD\_INR' => 83.0,

'EUR\_INR' => 90.0,

'INR\_USD' => 0.012,

'INR\_EUR' => 0.011,

'USD\_EUR' => 0.93,

'EUR\_USD' => 1.07

};

public List<SelectOption> getCurrencyOptions() {

return new List<SelectOption>{

new SelectOption('USD', 'USD'),

new SelectOption('INR', 'INR'),

new SelectOption('EUR', 'EUR')

};

}

public void convert() {

String key = fromCurrency + '\_' + toCurrency;

if (exchangeRates.containsKey(key)) {

Decimal rate = exchangeRates.get(key);

convertedAmount = amount \* rate;

} else if (fromCurrency == toCurrency) {

convertedAmount = amount;

} else {

convertedAmount = null;

}

}

}

**🔹 Step 2: Visualforce Page – CurrencyConverterPage**

xml

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<apex:page controller="CurrencyConverterCont">

<h2>Currency Converter</h2>

<apex:form>

<apex:pageBlock title="Convert Currency">

<apex:pageBlockSection>

<apex:inputText value="{!amount}" label="Amount"/>

<apex:selectList value="{!fromCurrency}" size="1" label="From Currency">

<apex:selectOptions value="{!currencyOptions}"/>

</apex:selectList>

<apex:selectList value="{!toCurrency}" size="1" label="To Currency">

<apex:selectOptions value="{!currencyOptions}"/>

</apex:selectList>

</apex:pageBlockSection>

<apex:pageBlockSection>

<apex:commandButton value="Convert" action="{!convert}"/>

</apex:pageBlockSection>

<apex:pageBlockSection rendered="{!NOT(ISNULL(convertedAmount))}">

<apex:outputText value="Converted Amount: {!convertedAmount} {!toCurrency}"/>

</apex:pageBlockSection>

</apex:pageBlock>

</apex:form>

</apex:page>

**✅ Output Example:**

* Input: 100
* From: USD
* To: INR
* Output: Converted Amount: 8300 INR