

# Currency Converter



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# Outline

- Methodologies/Concepts Used
- Java XML – JDOM2
- Use Case
- Class Diagram
- Application Demo
- References
- Questions

# Methodologies Used

## **Project**

Maven

JUnit Testing

## **MVC**

Model View Controller structure

## **Packages**

XML-Java library: Jdom 2

Exception handling

## **UML behaviour**

Use case

## **OOP concepts**

Inheritance

Interface

Encapsulation



**Defensive  
Code**

# Java XML – JDOM2

JDOM is an in-memory XML model that can be used to read, write, create and modify XML Documents.

## Packages Used

```
import java.net.URL;
```

```
// to import file from an URL
```

```
import javax.xml.parsers.DocumentBuilder;
```

```
import javax.xml.parsers.DocumentBuilderFactory;
```

```
//Using this class a programmer can obtain a document from XML.
```

```
import org.w3c.dom.Document;
```

```
// Document – Represents the complete XML document. It provides access to  
the root element of the XML file.
```

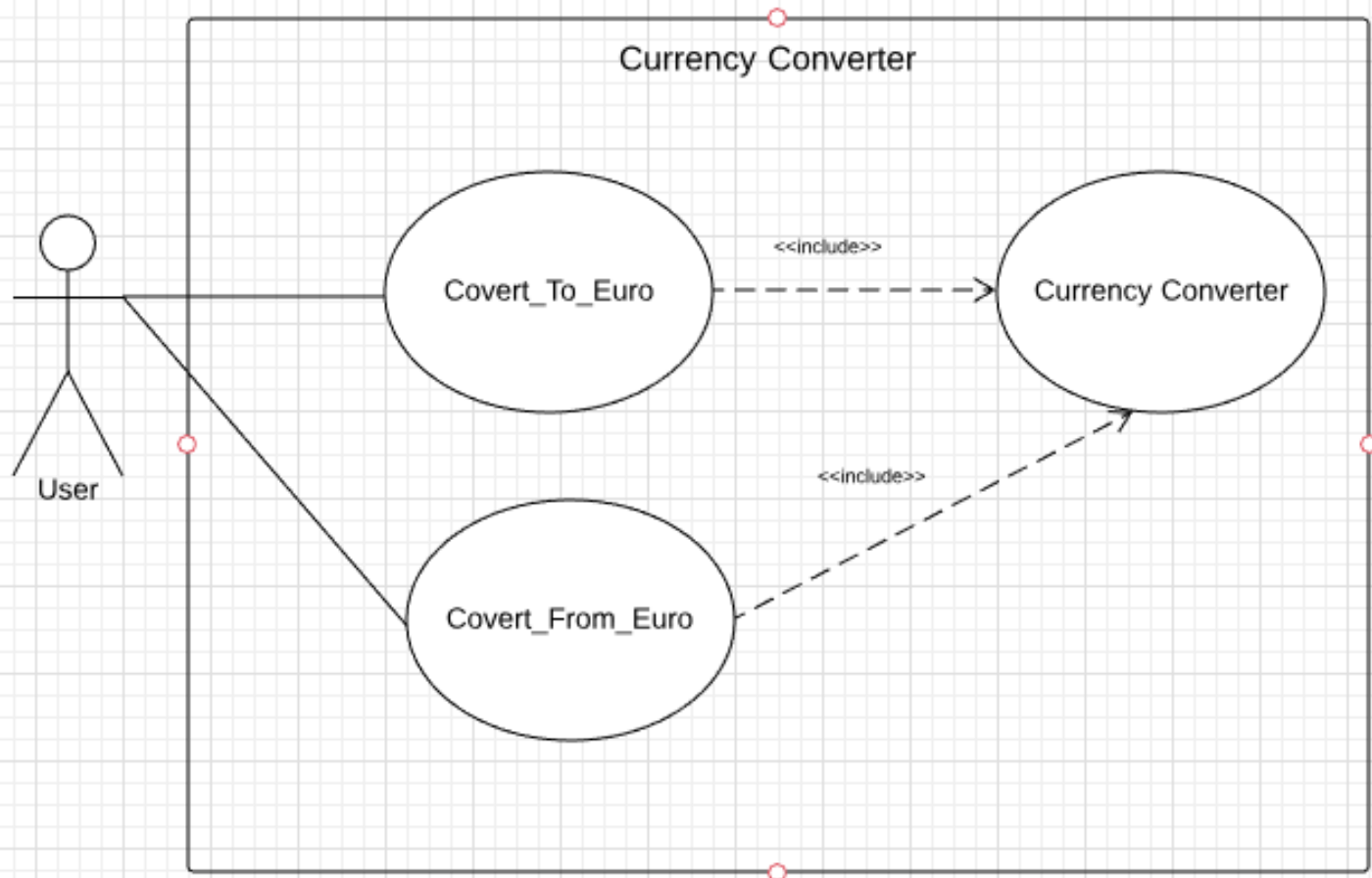
```
import org.w3c.dom.Element;
```

```
//Element – Represents an XML element.
```

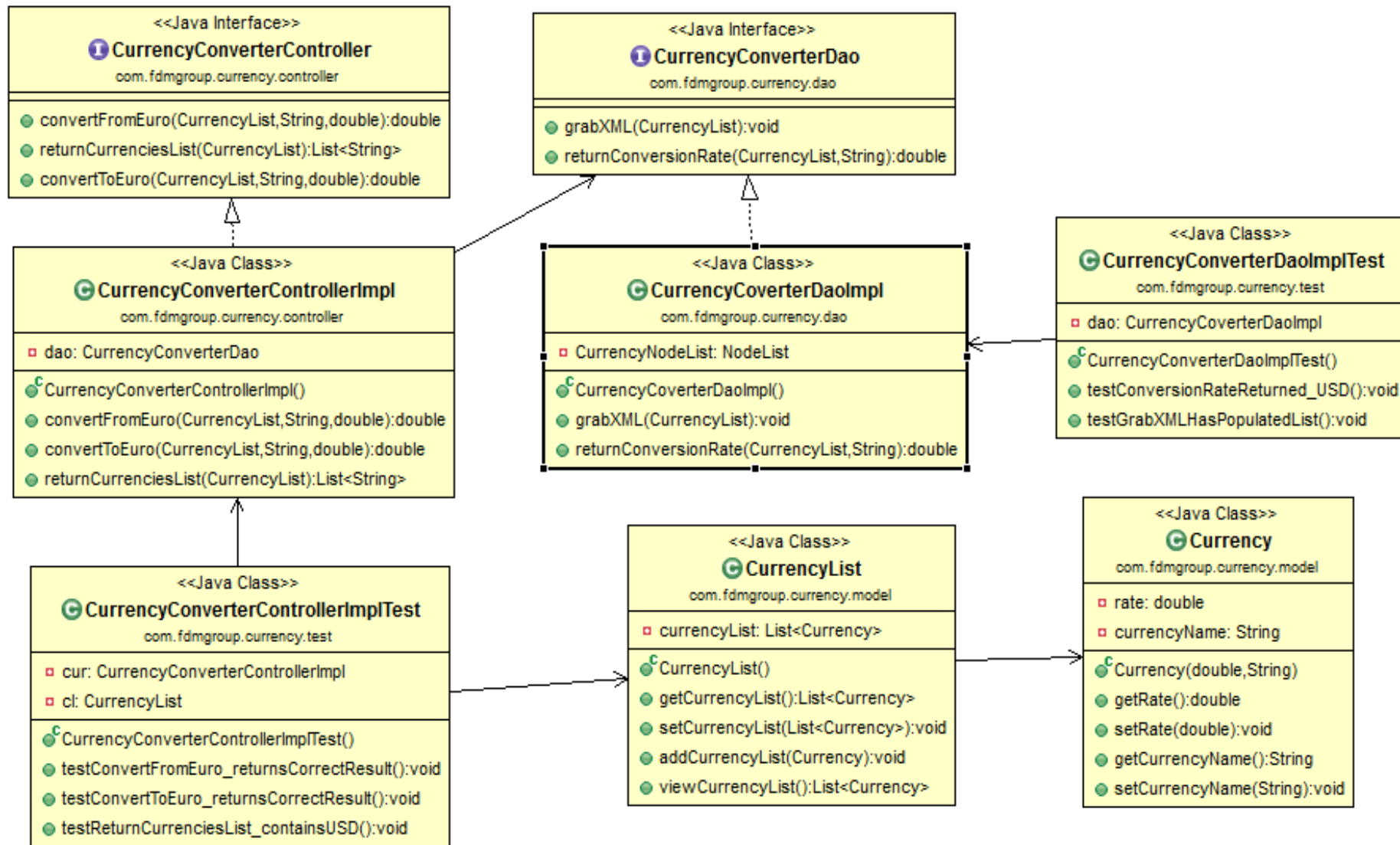
```
import org.w3c.dom.NodeList;
```

```
//To obtain xml elements as nodes.
```

# Use Case



# Class Diagram



# Application Demo



# References

[https://www.w3schools.com/xml/dom\\_intro.asp](https://www.w3schools.com/xml/dom_intro.asp)

<http://www.jdom.org/docs/faq.html>

<http://www.studytrails.com/java/xml/jdom2/java-xml-jdom2-introduction/>

<https://docs.oracle.com/javase/tutorial/>



# Questions

