

UML Cheatsheet

UML diagrams are used for communication which convey meaningful parts of your application. Include the data which will help someone better understand your code, not everything must be included

Representing Classes:

The technique for representing in UML Java classes, fields, and Java methods is:

Fields:

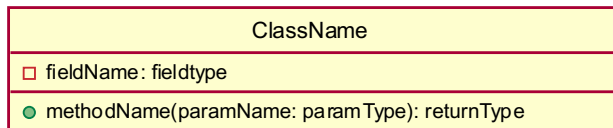
fieldName: Type

Methods:

methodName(paramName1: Type, paramName2: Type): methodReturnType

Below is a general template for representing classes, and a small representation of the String class. If you're representing an interface, put <<interface>> above the class name, for an abstract class, put the name in *italics*.

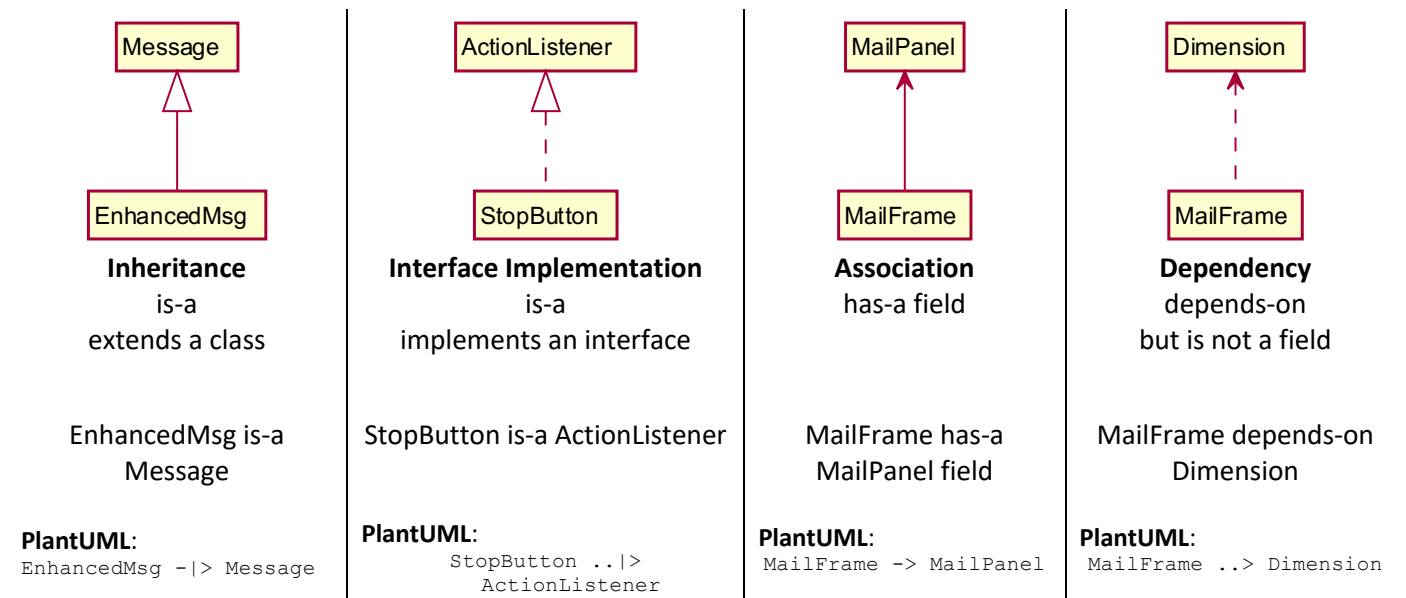
Template:



PlantUML:

```
class ClassName {  
    -fieldName: fieldType  
    +methodName(paramName: paramType): returnType  
}
```

Arrows:



Two-Way Association

User has a MailBox field AND MailBox has a User field

PlantUML: User <-> MailBox



Two-Way Dependency

User depends on MailBox AND MailBox depends on User
(A MailBox method takes a User as a parameter, or vice versa)

PlantUML: User <..> MailBox



Cardinality

How many items are in a relationship: '*' = 0..infinity

Say: "One User has many MailBoxes"

PlantUML: User ->"*" MailBox

