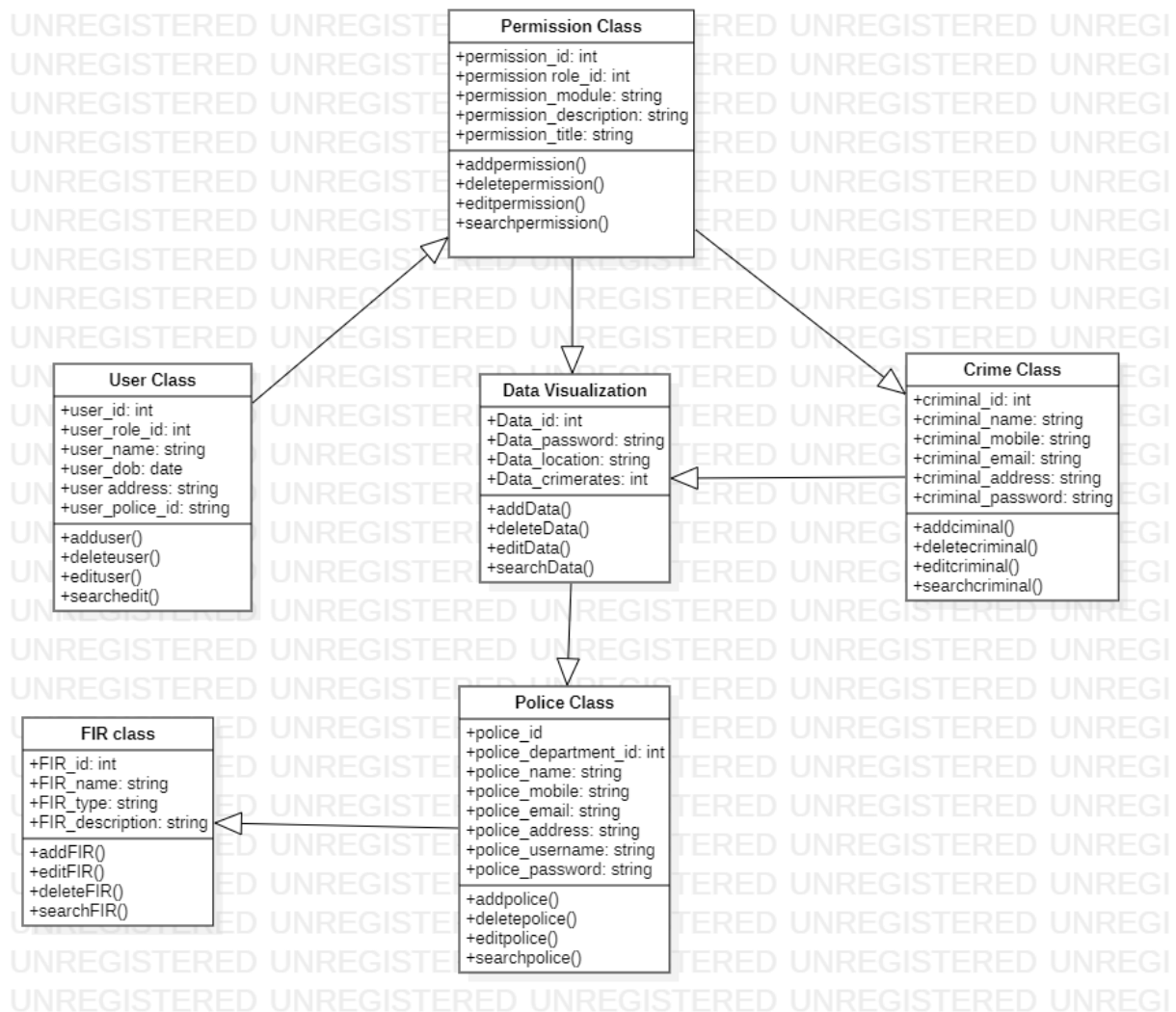


### 10.1.2 DOMAIN CLASS DESCRIPTION:

General description: A domain class is a class from the Domain Model that Martin Fowler describes as follow in Patterns of Enterprise Application Architecture: An object model of the domain that incorporates both behaviour and data. It is based on attributes and stereotypes, etc



### Identifying Stereotypes

Typical domain class stereotypes include:

<<thing>> = an entity that has mass and volume

<<event>> = an entity that has a start time and duration

<<role>> = an entity that executes tasks. For example: plumber, clerk, nurse

<<type>> = an entity that describes other entities

## Identifying Attributes

A class contains definitions of all of the attributes its instances will contain.

An attribute has four attributes:

name

type

visibility (+)

initial value (optional)

The type of an attribute usually is not a domain class. These kinds of properties will be represented by associations.

Attribute types include:

primitive types: int, double, Boolean

foundation classes: String, Date

external/imported classes (i.e., classes from external domains)