```
return aMaze;
```

Different games can subclass MazeGame to specialize parts of the maze. MazeGame subclasses can redefine some or all of the factory methods to specify variations in products. For example, a BombedMazeGame can redefine the Room and Wall products to return the bombed varieties:

```
crass BombedMaxeGame : public MaxeGame {
  public:
    BombedMaxeGame();

    virtual Wall* MakeWall() const
        { return new BombedWall; }

    virtual Room* MakeRoom(int n) const
        { return new BomWithABomb(n); }
};
```

An EnchantedMazeGame variant might be defined like this:

Known Uses

Factory methods pervade toolkits and frameworks. The preceding document example is a typical use in MacApp and ET++ [WGM88]. The manipulator example is from Unidraw.

Class View in the Smalltalk-80 Model/View/Controller framework has a method defaultController that creates a controller, and this might appear to be a factory method [Par90]. But subclasses of View specify the class of their default controller by defining defaultControllerClass, which returns the class from which default-ControllerClass is the real factory method, that is the method that subclasses should override.

A more oteric example in Smalltalk-80 is the factory method parserClass defined by Beha or (a superclass of all objects representing classes). This enables a class