

```
abstract class Widget /copyable and assignable/ {  
    public:  
        explicit Widget(Widget* parent) (constructor)  
        pure virtual Size getDimensions() = 0  
}
```

```
abstract class Button : public Widget /copyable and assignable/ {  
    public:  
        Button() (constructor)  
        pure virtual boolean isPressed() = 0  
}
```

```
class PushButton : public Button /copyable and assignable/ {  
    public:  
        PushButton() (constructor)  
        virtual Size getDimensions() overrides Widget::getDimensions()  
        virtual boolean isPressed() overrides Button::isPressed()  
}
```