

UI

UIUIPUI

- `public String buttonPressed(String key)`
- `public boolean isParameterRequired(String key)`
- `public boolean hasDependentParameters(String key)`

`public String buttonPressed(String key)`

`key`

```
@Override
protected void setupParameters() {
    Parameter p = new Parameter();
    p1.setUniqueKey("MESSAGE");
    p1.setDisplayType(DISPLAY_BUTTON);
    ...
    addParameter(p);
}

@Override
public String buttonPressed(String key) {
    if ("MESSAGE".equals(key)) {
        return "You pressed the button!";
    }
}
```

`public boolean isParameterRequired(String key)`

`trueSubclasstrue`

UI

```

@Override
public boolean isParameterRequired(String key) {
    Object otherValue = getParameterValue("OTHER_KEY");
    if (parameterIsRequiredBasedOnOtherValue(key, otherValue)) {
        return true;
    }
    return false;
}

```

public boolean hasDependentParameters(String key)

trueSubclassfalse

CHOOSEDOG|DOGCHOICE

isParameterRequired

```

@Override
protected void setupParameters() {
    // p1 is a toggle which controls whether or not we are choosing a dog
    Parameter p1 = new Parameter();
    p1.setUniqueKey("CHOOSEDOG");
    p1.setDisplayType(DISPLAY_CHECKBOX);
    ...

    // p2 is a dropdown for which dog we will choose, only to be displayed when p1 is checked
    Parameter p2 = new Parameter();
    p1.setUniqueKey("DOGCHOICE");
    p1.setDisplayType(DISPLAY_SELECT);
    p1.addOption("LAB", "Labrador");
    p1.addOption("HUSKY", "Husky");
    ...

    addParameter(p);
}

@Override
public boolean isParameterRequired(String key) {
    if ("DOGCHOICE".equals(key)) {
        Boolean choiceVal = (Boolean)getParameterValue("CHOOSEDOG");
        if (choiceVal == null || choiceVal != true) {
            return false; // don't show this parameter unless the other parameter is true
        }
    }
    return true;
}

@Override
public boolean hasDependentParameters(String key) {
    if ("CHOOSEDOG".equals(key)) {
        return true;
    }
    return false;
}

```

