

lessons learned Practices and Principles of Software Design



2021 Omajcon





for inviting me



for training me





Nireless Fail Weekly WorldFive / ToForum

Taked Where's What

Funny

Focustechnology

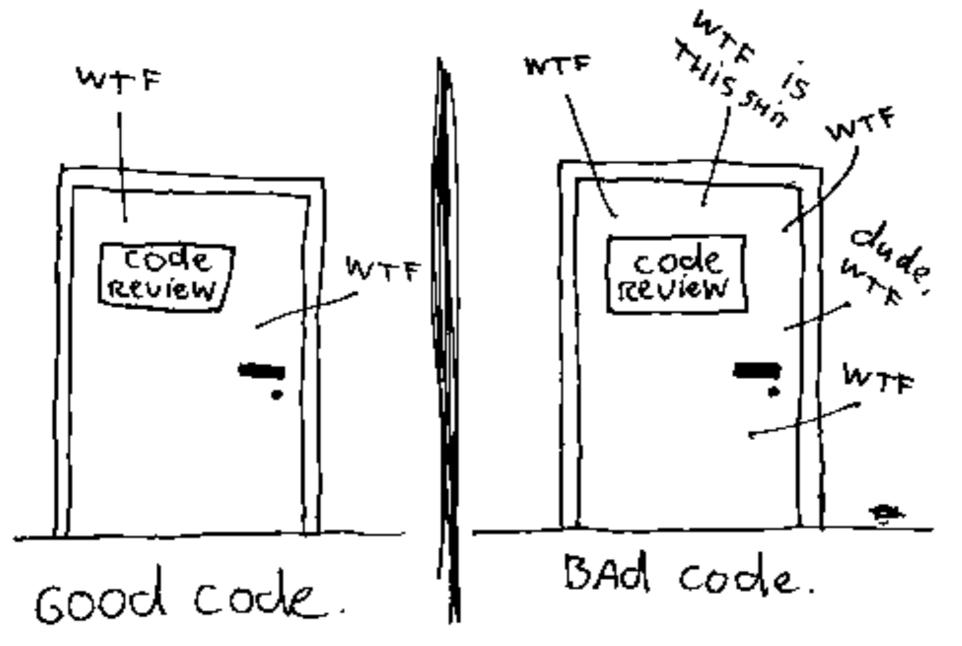
Tennis

```
$(document).on('click', '.check district li', function() {
    if ($('input', this).is(":checked")) {
       var old text = $(".choose city text").text();
        var remove text = $(".check district lable", this).text();
        var new text = old text.replace(", " + remove text, "");
        $(".choose city text").text(new text);
        var deselected = $('input', this).val();
        var selected_var = $("#division_id").val().toString();
       var new_string = selected_var.replace(deselected + ',', '');
        $('#division id').val(new string);
        $(".check_district_lable", this).css("color", "#9da9be");
        $(".customCheckbox", this).removeClass('customCheckboxChecked');
        $('input', this).prop('checked', false);
        $(".loaded sectors").load("/ajax/load sectors bubble.php?district=" + new string, function() {
            var selected sectors = $("#sector id").val();
            var result = selected sectors.split(',');
            for (i = 0; i < result.length; ++i) {
                $(".loaded sectors span " + result[i]).addClass('sector checked');
                $('img', ".loaded sectors span " + result[i]).attr("src", "/images/sector bubble close.png");
            var sectors = [];
            $.each($(".sector checked"), function() {
                sectors.push($(this).attr('id'));
            1);
            console.log(sectors);
            var sectro vars = $("#sector id").val();
           var new sectors = sectro vars.replace(sectors + ',', '');
            $("#sector id").val(sectors);
       });
    } else {
        var id = $('input', this).val();
        var old text = $(".choose city text").text();
       var new text = old text + ", " + $(".check district lable", this).text();
        $(".choose city text").text(new text);
        var selected var = $("#division id").val();
        var my val = selected var + id + ",";
        $('#division id').val(my val);
        $(".check district_lable", this).css("color", "#363e4a");
        $(".customCheckbox", this).addClass('customCheckboxChecked');
        $('input', this).prop('checked', true);
        $(".loaded_sectors").load("/ajax/load_sectors_bubble.php?district=" + my val, function() {
            var selected sectors = $("#sector id").val();
            var result = selected sectors.split(',');
            for (i = 0; i < result.length; ++i) {
                $(".loaded sectors span " + result[i]).addClass('sector checked');
                $('img', ".loaded sectors span " + result[i]).attr("src", "/images/sector bubble close.png");
           }
       });
});
```



WTH?

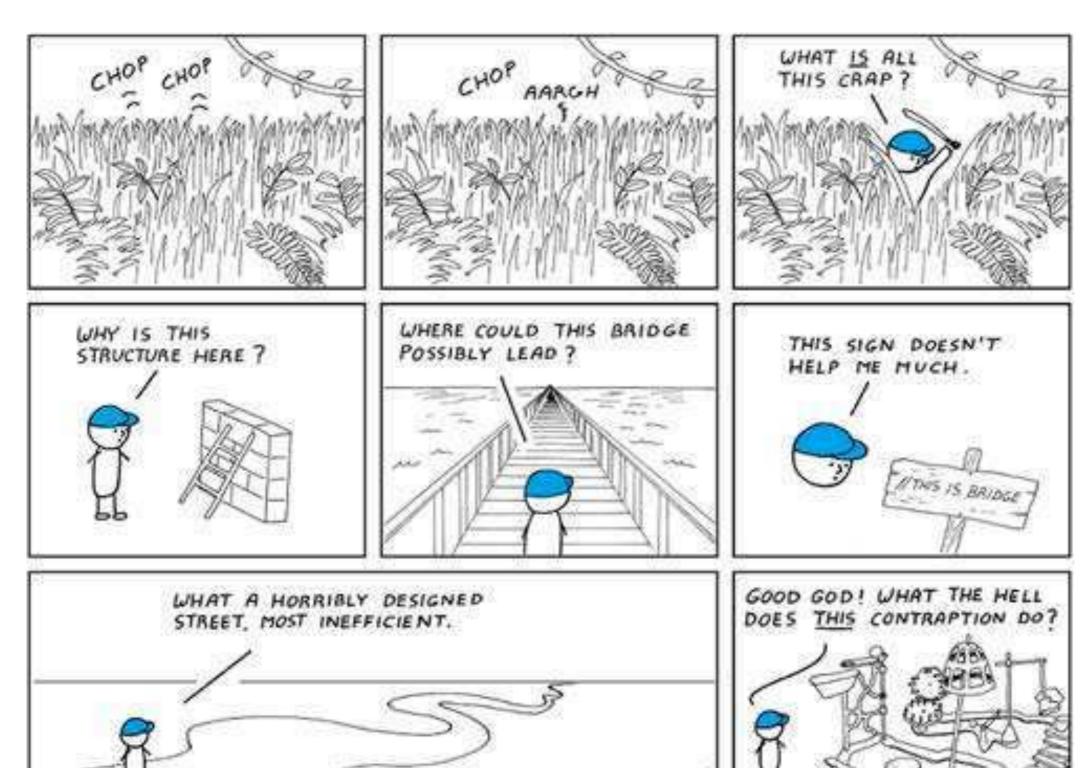
the ONLY VALID MEASUREMENT OF Code QUALITY: WTFs/minute



(c) 2008 Focus Shift

```
public function check login()
1
    if(!$ SESSION['uid']){
        redirect( un "login");
    }
public function isLoggedIn()
{
    if(isset($ SESSION['uid']) && !empty($ SESSION['uid']){
        return true;
    return false;
```

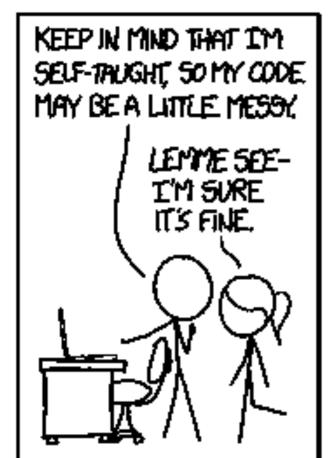
WTF!?



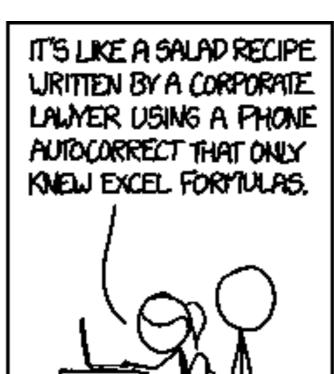
I hate reading other people's code.

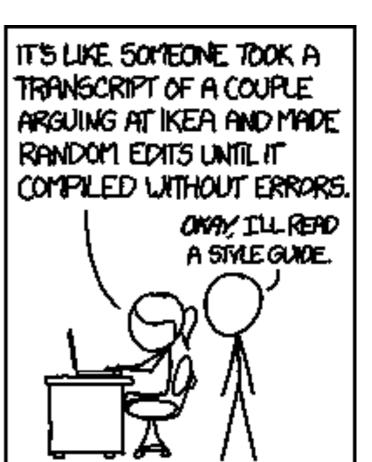
```
while !! resder. stEnd() }
        reader.readlext();
        if(reader.isstantelement() & reader.mane() == "PropertyLetuef")
                while(-!(-reader.isEndElement()-&& (--reader.name()-==-'PropertySetDef"-|-)-)
                        reader.readNext();
                        if(reader.isStartElement())
                                auto elementName = reader.name();
                                if( elementHame -- "Hame")
                                        propertySetName = reader readElementText().trimmed();
                                else-if(elementummerzz:"Spplicah'erlasses")
                                        while(reader.readMextStartElement())
                                                if(reader,name() == "Classione")
                                                        outprelessNamer-reader.readElementText().trimmed().
                                                       if(!className.isEmpty())
                                                               classList<<classWame;
                                else if(element@ame === "Property@efs")
                                        while(!*(reader.isEndElement() '&& reader.rame') '== "">ropertyDefs"))
                                                nesder.readNext();
                                                if(reader.isStartElement() && reader.name() == "PropertyDef")
                                                        Granmingert sproperty:
                                                        while('! (reader.isEnd:lement()'&&'reader.rame()'='"fropertyDef"))
                                                                readen.readNext():
                                                                :f(reader.isStartElement())
                                                                       if(reader.name() == "(ame")
                                                                                property.insert("name", reader.readElementText().trimmed());
                                                                        else if (reader.name() == '"PropertyType")
                                                                                while !! (reader is Endtlement() - && reader. mane() -- "PropertyType"))
                                                                                        reader.readlext();
                                                                                        if( reader, icStartSlement() |
                                                                                                auto valueType = reader.name();
                                                                                                if('valuatype == "TypePropertySingleValue")
                                                                                                        while(reader.readweitstart:lement())
                                                                                                                if(reader.name() == "DataType")
                                                                                                                        ustring-if(value)/pe==-reader.actributes().value("type").tostring().trimmed();
                                                                                                                        if( ifcValueType.isEmpty())
                                                                                                                                if(if(valueType -- "Ifutug.col")
                                                                                                                                        property.insert("typeifc", "IfcLogical");
                                                                                                                                        property.insert("type", "cnum");
                                                                                                                                        property.insert("unittype","");
                                                                                                                                        QIsorObject typeSpec;
                                                                                                                                        t/peSpec.insert("esumname", "PEnsm_logical");
                                                                                                                                        typeSpec.insert("esumitems", "true, felse, unknown");
                                                                                                                                        property.insert("typespec",typeSpec);
                                                                                                                                else
                                                                                                                                        QString-dataType = ifcvalueType_to_cataType(ifcValueType);
                                                                                                                                        if(!cata:ype.is=mpty())
                                                                                                                                                property.iesert("typeifc", ifcVelueType);
```

WTF!?

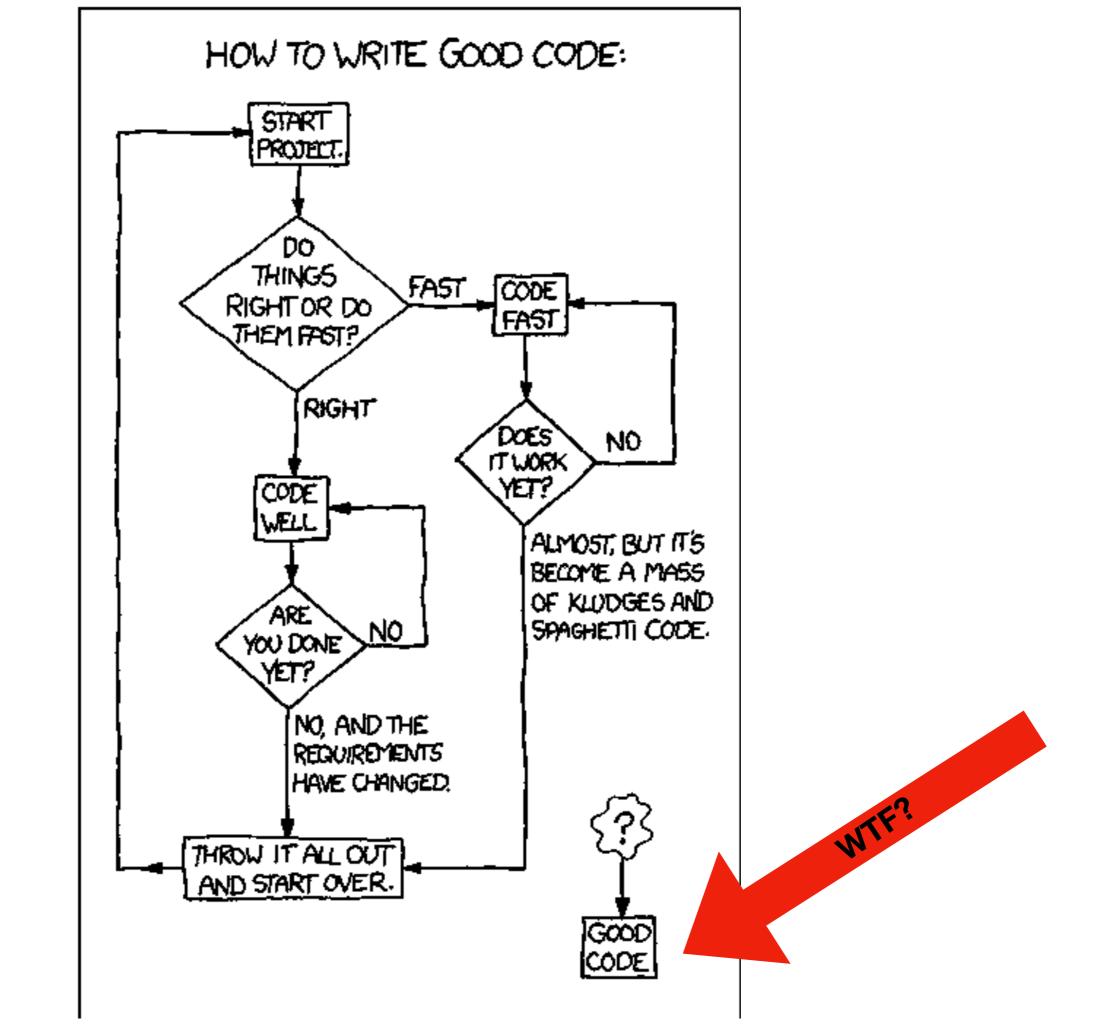


THIS IS LIKE BEING IN A HOUSE BUILT BY A CHILD USING NOTHING BUT A HATCHET AND A PICTURE OF A HOUSE.





```
function canDoDungeon(profile, type, master, level){
 return (("14" in profile.dungeons.dungeon types[type]
  .tier completions ? 15 : ("13" in profile.dungeons.dungeon types
  [type].tier completions ? 14 : ("12" in
 profile.dungeons.dungeon types[type].tier completions ? 13 :
  ("11" in profile.dungeons.dungeon types[type].tier completions ?
 12 : ("10" in profile.dungeons.dungeon_types[type]
  .tier completions ? 11 : ("9" in profile.dungeons.dungeon types
  [type].tier completions ? 10 : ("8" in
 profile.dungeons.dungeon types[type].tier completions ? 9 : ("7"
 in profile.dungeons.dungeon types[type].tier completions ? 8 :
 ("6" in profile.dungeons.dungeon types[type].tier completions ?
 7 : ("5" in profile.dungeons.dungeon types[type]
  .tier completions ? 6 : ("4" in profile.dungeons.dungeon types
  [type].tier completions ? 5 : ("3" in
 profile.dungeons.dungeon types[type].tier completions ? 4 : ("2"
 in profile.dungeons.dungeon types[type].tier completions ? 3 :
  ("1" in profile.dungeons.dungeon_types[type].tier_completions ?
 2 : ("0" in profile.dungeons.dungeon types[type]
  .tier completions ? 1 : 0)))))))))))))))))))))))))))))
 0)) && ((skillxplvls, skillxp) => {for (var i = 0; i <
 skillxplvls.length; i++){if (skillxp < skillxplvls[i]){return
 i-1;}};return skillxplvls.length-1;})(xplvls,
 profile.experience_skill_combat) >= 15 && (((skillxplvls,
 skillxp) => {for (var i = 0; i < skillxplvls.length; i++){if
  (skillxp < skillxplvls[i]){return i-1;}};return</pre>
 skillxplvls.length-1;})(dungeonxplvls,
 profile.dungeons.dungeon types.catacombs.experience) >
 dungeonreqs[type][level + (master ? 7 : 0)]);
```





SOLID++: Least Astonishment (a.k.a. WTF)

People are part of the system. The design should match the user's experience, expectations, and mental models.

We are software developers, so the principle says that we shouldn't mislead the developers who will work on the code in the future with namings that are not coherent with the behavior inside the constructs.



TRAINING PROGRAMN

SOLID++: Least Astonishment (a.k.a. WTF)

```
int Multiply(int a, int b)
  return a + b;
 int SaveFile(string filename, string text)
    Console.WriteLine(text);
   public class SomethingFactory (
     public void DoSomething()
       //write on Database
                 TRAINING PROGRAMME
```

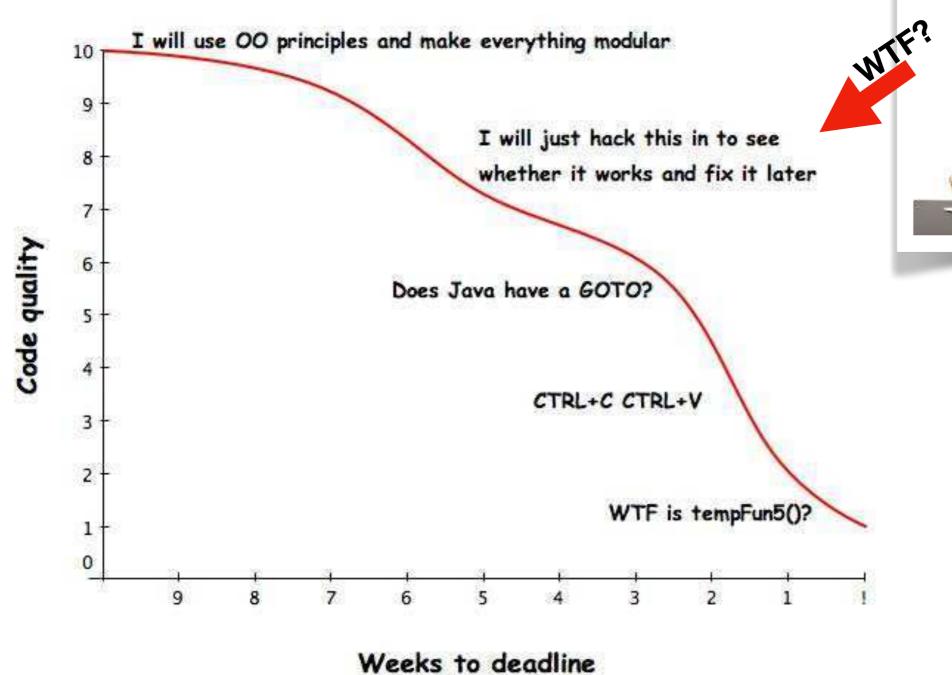






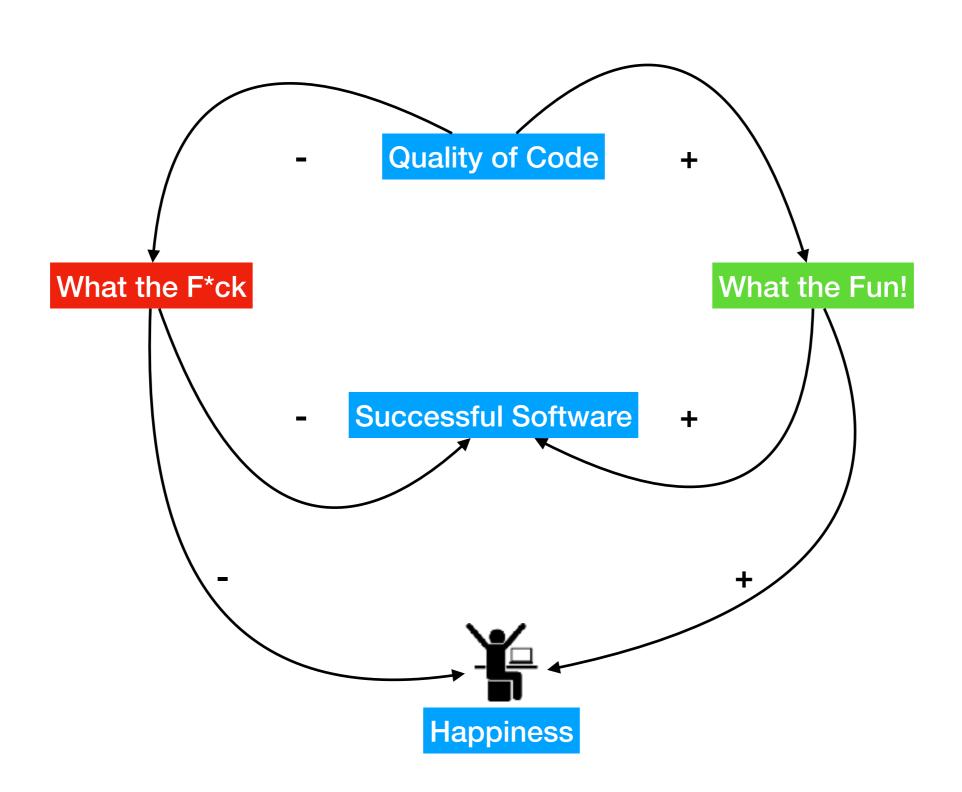
ALCOR







From WTF to WTF!



What's special about Superman is that he will always make the right choice.

Saying Images.com

Max Landis





All Credits for the good stuff to



All other issues..
> contact me directly





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