Plan of Action

Plan van aanpak



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# The description of the Company

Two people founded VICompany in 2007. Five years ago they move to Groothandelsgebouw nearby Rotterdam central. Then they are specialized in making software for financial companies. The projects are mostly trade market products websites. For examples they made RTLZ Beursspel, ING Web platform and Kempen en CO markets. The company has 23 employees. These workers working in multiple teams with Scrum. The company use mostly technology from Microsoft, for example ASP.NET MVC, C#, MS SQL and a lot more.

# Personal Learning objectives

1. In the end of my internship I know where I am good at it and what I like of programming.
2. In the end of my internship I know what the rules of the company are, such as I want to fit in the culture of the company.
3. In the end of my internship I write good and clean code with the rules of the company
4. In the end of my internship I write good and automatic tests.
5. In the end of my internship I can work good with version control on the normal why.
6. In the end of my internship I write good and readable rapport for other people.

# Introduction

In the first two weeks I interviewed multiple programmers at VI Company. The reason we did the interview is that VI Company makes a lot of the software again. My first part of the assignment is to make an assignment to make a piece of software. This piece of software must make some work of VI Employees easier. From the interviews came two big cases and a lot small cases. In the next headline I wrote the cases I choose. We have chosen this case because we believe we can make it in the internship time. Also we think it’s the most interesting subject to make.

# Case

## Description

It’s an application to easily translate a label for a website. VI Company programs the same website for multiple language. They don’t want make the websites twice. So now they put a label in the code, then the website read an JSON file. They split the JSON files in multiple folders with language names. By these folders the website knows which language it must chose. But this isn’t very clear to the programmers of VI Company. My assignment is make an application that you can change easily a label with a clear view over the labels. In the headline “User Stories” you see the more features of the program.

## Software

* A local program (C#)
  + JSON

## Scope

* It’s only for programmers for VI Company
* We are not going to translate the routes
* It’s a local application without a login

## Acceptance criteria

### Tests

* Unit tests
* Intergrade tests
* System tests
* Automatic tests

### Code

* Clean code
  + Program in English

### Handling

* Reviewed by the other intern or Programmer of VI Company
* All tasks done of the requirements

## Work to do

Part 1

* Interview
* Making Rapport
  + Requirements
  + Feasibility test

Part 2 (I’m now here)

* Design software
  + C#
  + UML diagrams
* Design database
  + ERD
  + MS SQL
* Develop all of it
* Tests
  + Test plan
  + Test self
  + Results
  + Fix Bugs
* Consult

# User Stories

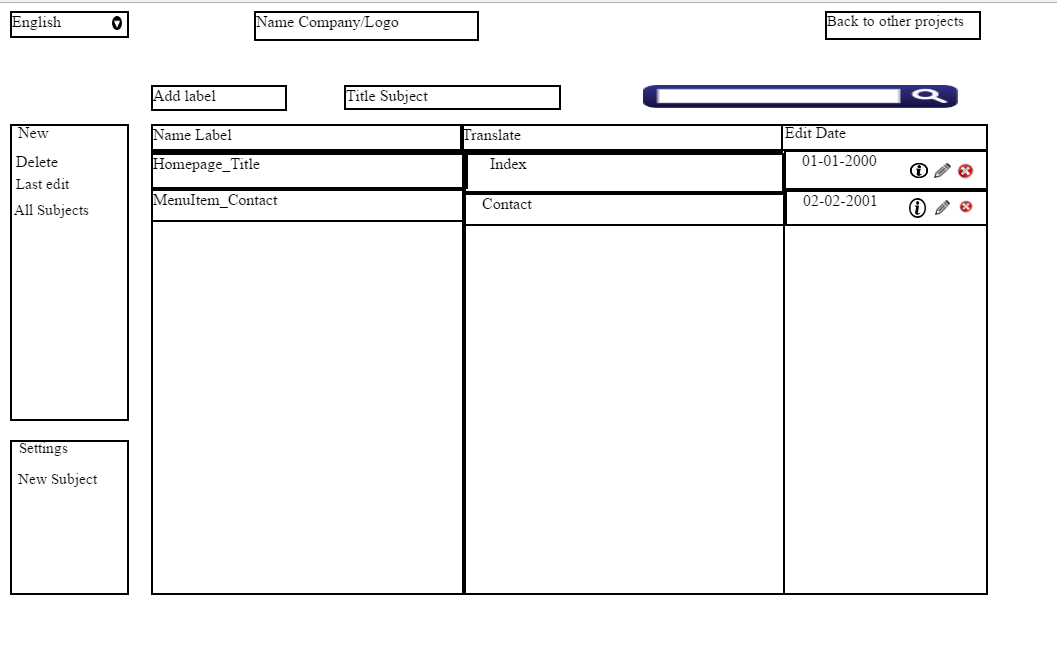
1. As user I can manage multiple projects, because I want to translate multiple projects at one place
2. As user I can add a label, because the system remembers the label
3. As user I can translate a label, because each label has the good translating for each language
4. As user I can add a language, because there are multiple languages for one website
5. As user I can switch between language, because I want to see the other language in one program
6. As user I can delete a label, because we don’t want unnecessary labels in the JSON
7. As user I can give a label a subject, because I want to know which label is a group.
8. As user I can add multiple groups for a label, because there are singular and   
   plural words for one label
9. As user I can add a variable name in a label, because there is something not a specified name in a label. For example, a username.
10. As user I can easily see which label aren’t translating yet, because we want a clear view of the labels.
11. As user I can travel fast to a label, because it’s efficient.
12. As user I can easily sort the labels, because we want a clear view of the labels.
13. As user I can give the label a layout, because I don’t want make three labels where it can easily be one label.
14. As user I can see fast how the label looks like, because it’s efficient.
15. As user I can change a label name, because I know a better name.
16. As user I want the labels who are empty has a default value, because the website can’t show an empty label
17. As user I can which labels has the same description, because I can decide to combine the labels
18. As user I can easily see which label aren’t present on the website, because I can decide to delete the label
19. As user I can see which label is not relevant for the website, because I can decide to delete the label
20. As user I can delete a language, because there aren’t unnecessary languages in the program
21. As user I can change the label on runtime, because I don’t want deploy the website again
22. As user I can export the labels, because I want to make notes with the labels
23. As user I can change the file location, because the file location isn’t fixed

## Legend

Must have  
Should have  
Could have  
Won’t have

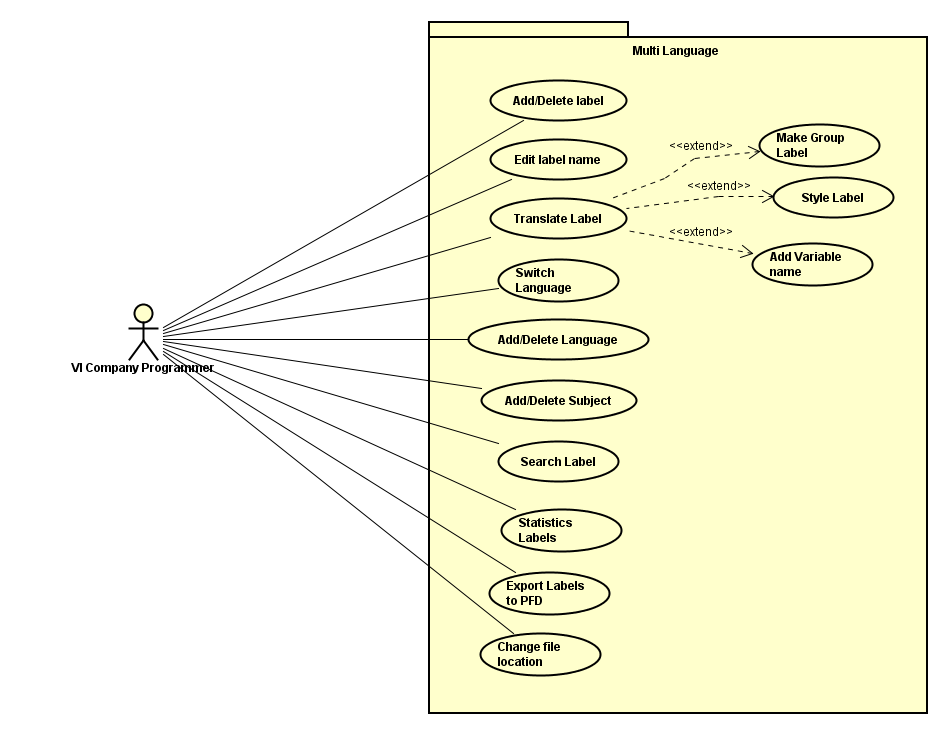
# Design

It’s how the design can be without coloring. This is the home screen. The settings and others things look like the same. Only the tables changes in something else.

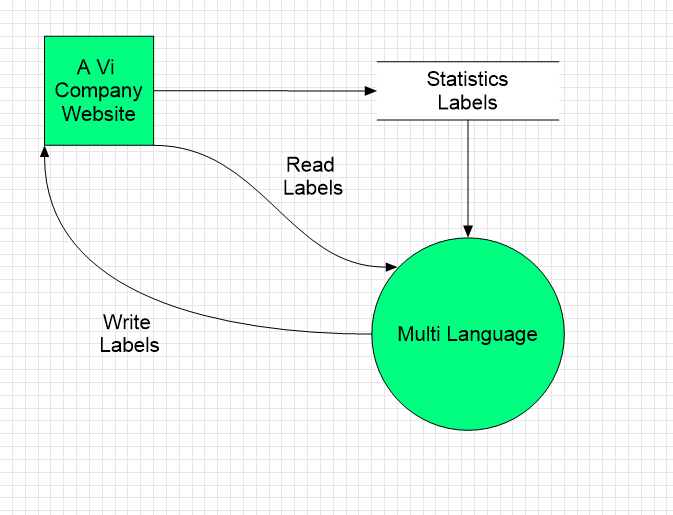


# Diagrams

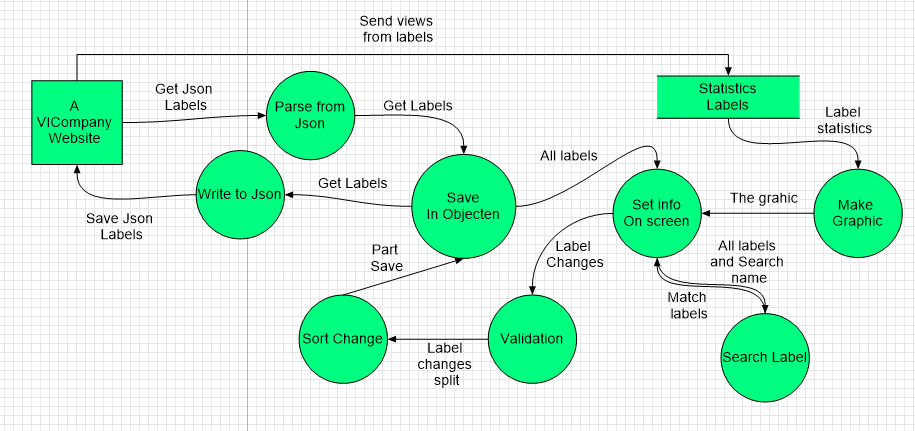
## Use Case



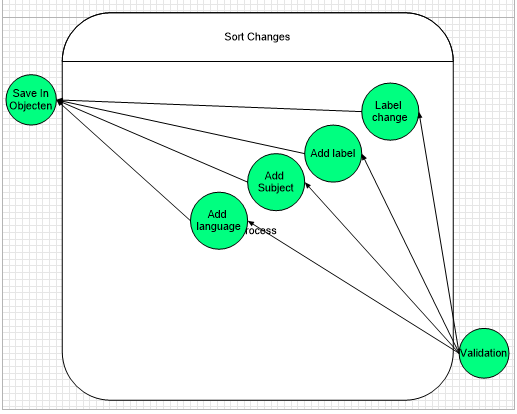
## Context Diagram



## DFD0



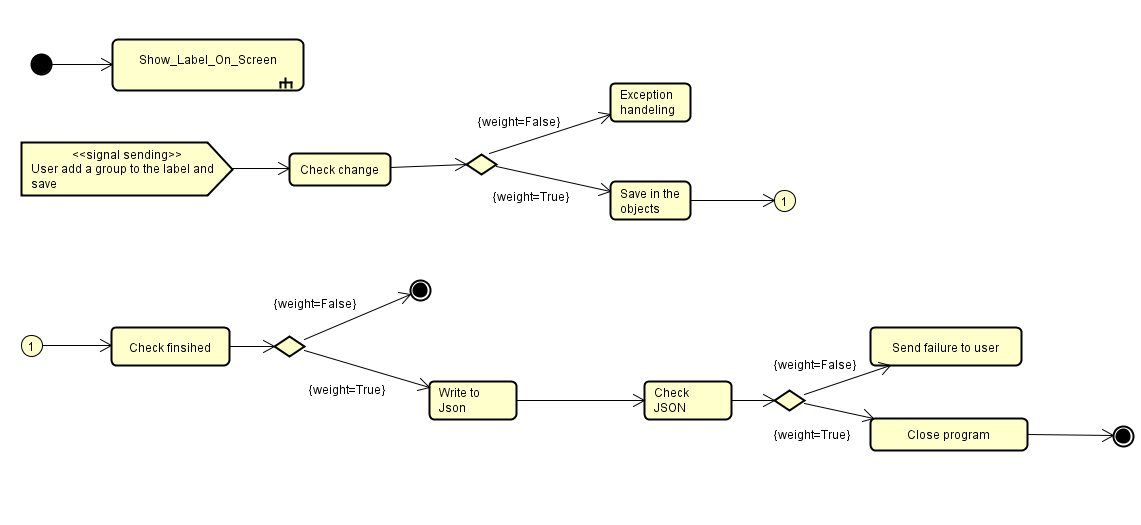
## DFD1 – Sort Changes



And here comes more changes for the labels.

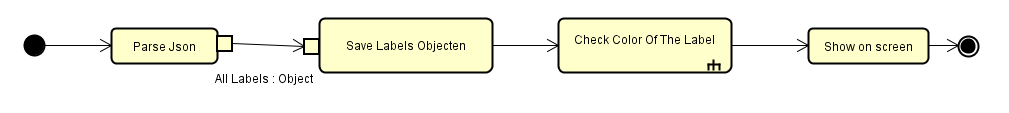
## Activity Diagrams

### Add group Labels

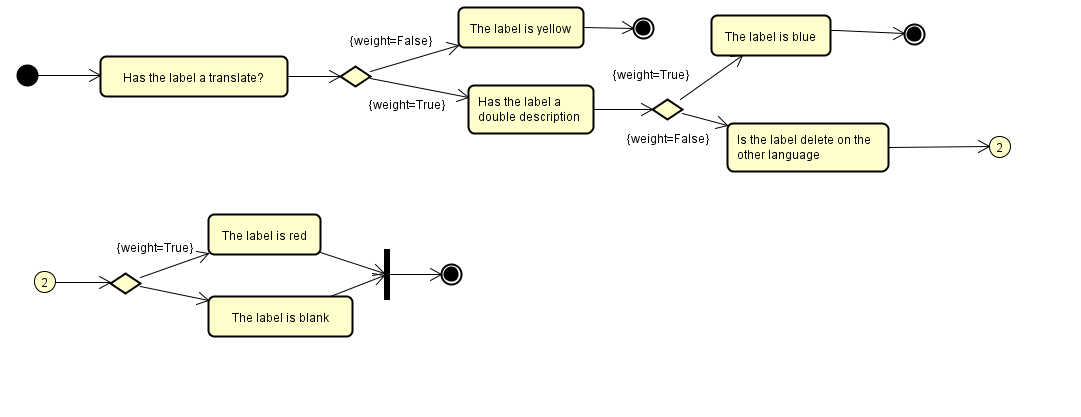


If you add other data, it’s goes on the same way.

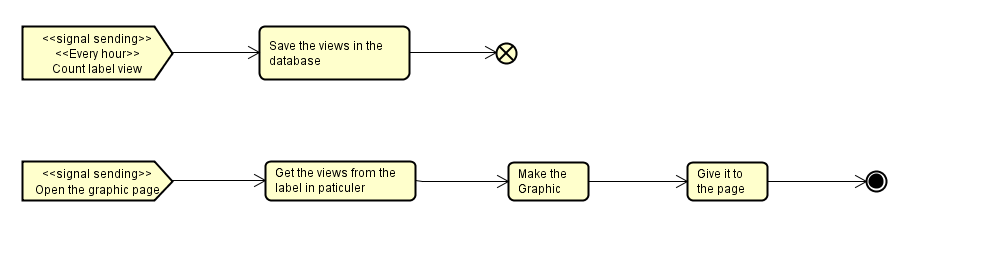
### Show labels



### Check Color of the label



### Make Graphic



# Competencies from school

Beheren

**B1 Je kunt werken volgens een vooraf vastgesteld en goedgekeurd stageplan (inclusief planning) en eventuele afwijkingen onderbouwen.**

B1.P Ik ga een document bij houden met alle beslissen en onderbouwingen. Deze wordt verwerkt in een nette document. Zodat er een mooi overzicht is hoe het gegaan is.

B1.EN I am going to write a good and clean document with all my decisions and why I did that. So you get a list with all my decides.

Analyseren

**AN1 Je kunt een analyse van de opdracht uitvoeren gebaseerd op een praktische onderzoeksvraag en maakt hierbij gebruik van bestaande methoden en technieken. Daarnaast kun je een requirementanalyse uitvoeren voor een (deel van een) sofware systeem met verschillende belanghebbende en houd je hierbij rekening met kwaliteitsstandaarden.**

AN1.P Context diagrammen, epic maken, dfd’s.

AN1.EN Making of Context diagrams, Epic and DFD’s

**AN2 Je kunt een specificatie opstellen aan de hand van een analyse.**

AN2.P Een document maken van die Specificaties.

AN2.EN A document with the specificities inside.

**AN3 Je kunt een acceptatietest opstellen aan de hand van kwaliteitseigenschappen.**

AN3.P De gemaakte testplan. Een document met daarin hoe we het uitgevoerd hebben.

AN3.EN The testplan and a document with how we did that.

Adviseren

**AD1 Je kunt een onderbouwd en richtinggevend advies uitbrengen over processen, software en/of nieuwe technologieën en kan dit overtuigend en begrijpelijk presenteren.**

AD1.P Alle informatie die ik verzameld heb, mooi presenteren en documenteren.

AD1.EN I collect all the information in a document and present to the person who want to know.

Ontwerpen

**O1 Je kunt een ontwerp opstellen voor een (deel van een) softwaresysteem en je maakt hierbij gebruik van bestaande componenten en libraries; gebruik maken van ontwerp-kwaliteitscriteria.**

O1.P We moeten een standaard oplossing maken voor VICompany. UML, flowcharts en ERD.

O1.EN We must make a standard solution for VICompany. For example UML, flowcharts, ERD and other charts.

**O2 Je kunt een validatie voor je ontwerp uitvoeren op basis van specificaties uit de analyse.**

O2.P De gemaakte validatie laten zien met aan de hand van het document met specificaties.

O2.EN I show the validate design and I show it with the information from the documentation with the specifications. I explain also why.

Realiseren

**R1 Je kunt software realiseren conform de requirements van de opdracht en met hoge kwaliteitsstandaarden zoals ze gebruikt worden in software engineering.**

R1.P Het product presenteren. Daar uitleggen wat er allemaal in is gekomen en hoe we hebben aangepakt. Plus dat allemaal documenten.

R1.EN I present the product. There I will explain what for requirements is in the product and how we deal with it. All the information come in a documention.

**R2 Testen:  
1. Je maakt gebruik van unit-, integratie- en systeemtesten.  
2. Je maakt gebruik van test-automatisering.**

R2.P Een testplan, resultaten en een document met de uitvoering van de testen. De testen zelfs is ook het bewijs.

R2.EN A test plan, the results and the document with the test. The tests itself is also evidence.

Skills

**S1 Je kunt aangeven welke bedrijfscultuur je terug ziet in je stagebedrijf en je kunt de kenmerken die daarbij horen benoemen.**

S1.P Wat ik ga leren bij Skills 3. Dat dan gebruiken om te documenten. Die dan controleren bij 1 van mijn collega’s.

S1.EN What I am going to learn by skills 3, that I am going to use to write in a documents. An colleague will check the document to confirm it’s true.

**S2 Je kunt bepalen welke bedrijfskenmerken jouw stagebedrijf heeft.**

S2.P De bedrijf oriëntatie maken en die dan controleren door 1 van mijn collega’s

S2.EN I will going to write a company orientation and a colleague will check that document.

**S3 Je kunt je inwerken en aanpassen aan het stagebedrijf betreft de werkwijze, regels en procedures en bent daarnaast in staat om hierop en op je werkzaamheden te reflecteren.**

S3.P Door te reflecteren met mijn collega’s en dat te documenteren

S3.EN I am going to interview a colleague for my reflection and I will going write it down in an document. The question are specific on this subject.

**S4 Je kunt afgesproken werkzaamheden zelfstandig (inzet, motivatie, respect en dergelijke) uitvoeren en geeft voortgang en eventuele knelpunten proactief aan.**

S4.P Door te reflecteren met mijn collega’s en dat te documenteren

S4.EN I am going to interview a colleague for my reflection and I will going write it down in an document. The question are specific on this subject.