|  |
| --- |
| Plan of attack |
| Our plan to make this a successful project .(eng) |
|  |
| Group 2: Jean-Pierre / Lukasz / Youssef |
|  |

Plan of attack



Organization name: Barroc-it

Client name: Mr. van Bueren

Date and place: 10-9-2017, Breda

Contractors: Jean-Pierre Slimmen, LukaszTatarczyk and Youssef el Jaddaoui

Group: 2

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# **1.Our background**

Lukasz, Jean-Pierre and I have worked for a long time on Radius College with success. After months have worked with each other, we believed it was time to make a serious project group to continue our success.

8 March 2017 we decided to create a group and together to work on school projects. Since then we have completed projects created with each other that are successful. We are a group who are looking for new and refreshing challenges to constantly full our surprises. One of such a refreshing challenge is this project. We never made an application like that but, we are confined to finish the project successfully. This sounds to us like a new and refreshing challenge, therefore we would like this project. Click [here](#_Appendix_1) to get more information about us (Dutch).

# **2.Our goals**

We as group like to face the problem and find a solution for it. In this case the departments Sales, Development and Finance don’t give the customers info to the other departments or they give the information too late which make mistakes in the invoices and propositions. The employees aren’t getting the updated customers information, that’s why we are willing to help every department in your company.

Our goal is to make the departments work better together than before. We’re going to program the application that even other Developers like us can upgrade the program further or even change certain things in it. We like to work efficient and as quick as possible to reduce the waiting time for our customers.

It’s difficult to choose the right company to fulfil your expectations, that’s why we appreciate your interest in our company.

# **3. Project assignments**

## Communication problem

### Specific

Mr. van Bueren is our employer, he told us what’s going wrong. Also his colleague Mr. Vorselaars told us more about the situation. Mr. van Bueren’s departments don’t communicate with each other very well. Jean-Pierre, Lukasz and Youssef are going to fix this problem. It’s necessary to solve this problem because it can do damage to the company’s image.

### Measurable

In the application that Jean-Pierre, Lukasz and Youssef are going to make you are able to create a customer, make invoices, create projects and much more. Jean-Pierre, Lukasz and Youssef talked with the departments Sales, Development and Finance to know what the application can do. To get more knowledge about the application click [here](#_Appendix_2) (Dutch).

### Attainable

We’re going to make space in our server to store all Mr. van Bueren’s customers and offers. Then, we’re going to make a concept of the problem what we’re going to make. We will inform our employer in which he will agrees with how the application looks. After that, Jean-Pierre, Lukasz and Youssef will create the application. If the application is done we’re going to test it to make sure that everything works correctly and is secure. If the test is negative, we will deliver the application to the departments Sales, Development and Finance. If the test is positive, we’re going to fix the issue and test it again to make sure that everything works.

### Relevant

We have 8 weeks for this project, for our documentation and the application. With our skills, motivation and knowledge we’re confident to make our documentation good as possible and to create the application that Barroc-IT needs. It does take patience to create the program because it’s not an easy job to implement the wishes of the departments.

### Time-Based

This project starts 4-9-2017 (Monday) and ends on 3-11-2017 (Friday), which means that we have 8 weeks for this project. This project will be finished if the submission date has been expired or if all the documents with the application has been delivered to Mr. van Bueren and his departments.

# **4. Project activities**

During our interview with Mr. van Bueren it became fairly clear on what sort of project this was going to be. The main problem our customer has is that the communication between the different departments isn’t going as it should be. There for we have to make an application in order to tackle that problem and make sure the communication between de departments will be in the right way.

There for we have chosen that we will be making a web application because we have the most experience with that and therefore it well be more structured and faster as a windows application itself.

Activities we have to execute:

* Making the documents needed to get a clear realization of what have to make like the PvA.
* Making wireframes and UML diagrams to get a clear view on how it supposed to look like in a rough form.
* Then we will be making a concept of the application.
* We will be making an acceptance test.
* A functional test, technical test.
* Then we will start writhing the application.
* During the project time we will have different meetings to discuss different problems we face during that time span and try to find a fix for it.
* When the application has been made we will test it trough and make sure there are no errors, crashes, mistakes, and make sure it all works fine (if there are errors or any mistakes will fix it as soon as possible to make sure we have a working version).
* If everything is correct we will discuss with Mr. van Bueren if the application is ready for deployment and if everything is in it (if not this will be taken into a count and add/delete different things).

For the full version of the planning please click [here](#_Appendix_3).

# **5. Project confines**

After our conversation with the CEO of Barroc-IT things were really clear to us about what the application must have and what not. Now the following information is what we know:

* Start/end date: start date 4 September 2017 with the end date of: 3 November 2017
* A login system for only the administrator and the different departments with only one username / password for each. This means we don’t want to make account for each employee on the different departments.
* We must make a database for all of the customer’s information. That means we don’t have to use external databases to get to that information.
* The help function only needs to be in Dutch/English and not in other languages.
* An alert function in the application which will only appear when customer info is changed or update and about payments that are not in time, and not for other sort of information
* The application also needs to have permission which mains the different departments won’t be able to change customer information or be able to view al information of the customer. So, we don’t have to and won’t include everything about it
* The Debtors administration information must be in there, we won’t have to make it for all the costumers the company has.

The following information is what we really don’t want to get our hand on in terms of project realization and time:

* A log file about update’s / or added items.
* A live chat between the different apartments to communicate with each other during work.
* A responsive design because the application will only be for personal computers and not for mobile phones.

The following information is an about budget and project realization:

The budget for this project is: € 2420,00. This is for the time and the size of the project and off course the size of our team at this moment.

This project is doing able in the follow time span: 4 September 2017 with the end date of: 3 November 2017, between this time we have to consider the downtime we have due to vacations/holidays and group member who will not always be available because of illness.

# **6. Products**

During our time we have worked on the end product, we had to make different other products in order to get to final result we wanted to have. This means the project is a bit bigger than just the outcome. By the time the final product can be fully realize we had to make other files such as a planning, a plan of attack, a quotation, interviews and multiple notation’s, prototypes and wireframes.

The reason of making this many documentation files has the following reason:

In order to make a good quality product and therefor a good working product we need to write a lot of things down to get a good view on what the costumer really want and how it need to function, because of this reason the final product will come out better than if we didn’t have these sort of documentation.

# **7. Quality**

During our work on this project it’s our standard to execute multiple test in order to make sure the final product and all the milestone product will come out great. The way we do this is to make a checklist for the different milestones and making a technical test with different checkpoints were we go through and try to find any uncertainties which we have to fix immediately. We will therefore only continue with the other product if we have past all the tests. Because of this reason we spend a lot of time working on the plan of attack and other documentation files to get the great vision we need in order to make this product to a success. We also have spended a lot of time working on the interview questions to make sure we would only ask the specific questions we needed an answer and therefore not was valuable time on the things we already knew. Because we want to deliver the best possible product we recorded all of our interview and meetings, so we could review the anytime we want to, to make sure we won’t miss anything. We have also asked during the interview about any additional info, but he didn’t have answer to all therefore we had to ask the different departments of the company, because of that we came to know more things about the quality and therefore get a better end product.

In order to make to work process faster we use different kind off software to speed up our process. The different software we use is as followed: GitHub, MS project. With this software we can make a professional planning and therefore keep track of our work in an easy environment. and for the cloud work we use GitHub with this application we can work on the same files and there for speedup our process, it also functions as a great cloud solution for developers.

Also a big part of our test is if the costumer likes/accepts our documentation therefore we hand in different types of documentation each time. And make sure everything is right along the way towards the final product. If the costumer encounter that something isn’t right he will come right back towards us and tell us what the problem is s we can get it right.

# **8. Project organization**

Jean-Pierre Slimmen is the group leader, and Youssef el Jaddaoui is our note taker. We are available from Monday to Friday between 08:00 AM to 10:00 PM.

Our contact details:

|  |  |  |
| --- | --- | --- |
| **1.** | **Jean-Pierre Slimmen** | **Email:** **d210612@edu.rocwb.nl** |
| **Tel: 0681083977** |
| ***Bereikbaar tussen: 8:00/22:00*** |
| **2.** | **Lukasz Tatarczyk** | **Email: d172336@edu.rocwb.nl** |
| **Tel: 0614178272** |
| ***Bereikbaar tussen: 8:00/22:00*** |
| **3.** | **Youssef el Jaddaoui** | **Email: d183422@edu.rocwb.nl** |
| **Tel: 0651553825** |
| ***Bereikbaar tussen: 8:00/22:00*** |

Youssef is responsible for almost every document. Jean-Pierre is responsible for the interview, PvA, schedule and the program. Lukasz is responsible for the code convention, PvE, PvA advise rapport and the program.

We’re keeping an eye on each other to make sure that everyone is doing their task, because there is an off work to do. We have a logbook and hours list for us to know what we did and for how long. We trying to contact our employer in the beginning stage as much as possible to get the most results. We’re keeping every Monday/Friday a meeting to keep each other up to date. Every meeting starts at 10:45 AM. Youssef makes a notule form each meeting.

# **9. Schedule**

Click [here](#_Appendix_3) to see our schedule.

# **10. Costs and benefits**

## Benefits

Our application is going to help your departments working smoothly without any communication problem. Why we need a special IDE to work with you should ask, with this program we can make application faster end better then without one.

## Costs:

|  |  |
| --- | --- |
| **Applications needed:** |  |
| Phpstorm IDE (1 month) | € 20.00,- |
| Microsoft office | €10.00,- |
| **Project:** |  |
| Hourly wage per person | €3.90, - x 3 people x (4 hours per day x 32 days) =  €1500,- |
| **Application:** | €500,- |

# **11. Risks**

**Probability**

**Severity**

S Severity

1 Slight effect

3 Important

7 Severe

15 Very severe

40 Disaster

P Probability

0,1 Next to impossible / unthinkable

0,2 Almost unimaginable

0,5 Highly unlikely, but conceivable

1 Unlikely, but possible in the long term

3 Unusual (but possible)

6 Possible

10 To be expected

**Classification Risk-index Risk and measures**

1 R = 21 Slight risk;

2 21 < R = 71 Little risk;

3 71 < R = 201 Moderate risk;

4 20 < R = 401 High risk;

5 R > 401 Risk is too high;

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk** | **Probability** | **Severity** | **Risk-index** |
| Broken computer | 1 | 1 | 1 |
| Data loss | 6 | 3 | 18 |
| Problems with internet connection | 10 | 3 | 30 |
| Problems with programs | 3 | 1 | 3 |
| Fire | 0,2 | 7 | 1,4 |
| Power loss | 1 | 1 | 1 |
| Disease | 6 | 1 | 6 |
| Quarrel | 0,5 | 1 | 0,5 |
| Family degenerated | 1 | 3 | 3 |
| Network | 10 | 3 | 30 |
| Bad co-operation | 0,5 | 1 | 0,5 |
| Theft | 1 | 3 | 3 |
| Problem with server | 1 | 7 | 7 |
|  |  |  |  |

# **12. Appendix**

## Appendix 1

## Barroc-IT

Het bedrijf Barroc-IT is een softwarebedrijf dat software maakt voor klanten. De CEO van dit bedrijf is H. C. M. van Bueren. Dit bedrijf heeft de volgende afdelingen: Development, Finance, Sales, R&D en   
Legal. De afdelingen Development, Sales en Finance zijn de sleutel tot succes in bedrijf.

## Analyse casus

De communicatie tussen de afdeling Sales, Development en Finance verloopt niet goed. De afdelingen krijgen nauwelijks of te late informatie doorgegeven waardoor leidt tot fouten in de klantenadministratie. Dit valt op te lossen door een automatische koppeling van administraties.

De opdrachtgever kan op dit moment geen mensen vrij maken om dat te realiseren. Daarom heeft de opdrachtgever besloten om het aan ons (Jean-Pierre Slimmen, Lukasz Tatarczyk en Youssef el Jaddaoui, beter bekent als groep 2) over te laten. Gezien het internationale karakter van het bedrijf wordt de applicatie geheel in het Engels ontwikkeld. De helpfunctie moet zowel Nederlands als Engels beschikbaar zijn.

Dit standalone applicatie wordt samen met EXACT gedraaid. De standalone applicatie wordt gebruikt om de data van klanten netjes op te slaan.

## Appendix 2

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| |  | | --- | | **Voorzitter**: Jean-Pierre Slimmen | | |  |  |
| **Notulist:** Youssef el Jaddaoui | |  |  |
| **Locatie:** Terheijdenseweg 350, 4826 AA Breda | |  |  |
| **Plaats:** Radius college, lokaal 314 |  |  |  |
| **Besproken** | **Afspraak** | **Wie** | **Wanneer** |
| Ieder groepslid stelt zich voor | Geen | Jean-Pierre, Lukasz en Youssef | Geen |
| Functie in het bedrijf | Geen | De heer Vorselaars | Geen |
| Uitleg over sommige functies die in de applicatie voorkomen | Doorgeven als er niet betaald wordt moet de productie worden stopgezet. Development krijgt op het scherm te zien dat de ontwikkeling is stop gezet bij een betalings achterstand. Sales krijgt op het scherm te zien dat er contact moet worden opgenomen met het bedrijf dat de achterstand heeft. Financien kan zien of er betaald is, als er betaald is wordt Development ingelicht (vinkje) dat er weer geprogrammeerd kan worden. | De heer Vorselaars | Geen |
| Beginschermen per afdelingen | Sales krijgt te zien welke klanten "rood" staan. Development krijgt te zien of er doorgewerkt mag worden per klant. | De heer Vorselaars | Na de ontwikkeling van de applicatie |
| Database met klantengegevens | Geen klanten gegevens beschikbaar, er wordt met een schone lei gewerkt. Schatting dat er rond de 500 klanten zullen inzitten. | Lukasz | Tijdens de ontwikkeling van de applicatie |
| Omgeving waar de applicatie zal draaien | Geen voorkeur in wat voor platform, gaat alleen om functionaliteit. | Jean-Pierre | Voor de ontwikkeling van de applicatie |
| Help pagina voor een gebruiker die er voor het eerst de applicatie gebruikt. | Uitleg over functies en velden. | Jean-Pierre | Na de ontwikkeling van de applicatie |
| Data dat niet aanpasbaar mag zijn en data afschermen van sommige afdelingen | Dikgedrukt woorden zijn zichbaar voor alle afdelingen, de rest niet. | Jean-Pierre | Tijdens de ontwikkeling van de applicatie |
| Noodzakelijkheden van Debiteuren en Crediteuren vastleggen | Debiteuren is noodzakelijk, Crediteuren is niet noodzakelijk. | De heer Vorselaars | Tijdens de ontwikkeling van de applicatie |
| Uitleg over velden in het programma | Bkr- veld moet nog toegevoegd worden om te checken of een klant schulden heeft, als de klant schulden heeft zal de klant geen officele kant worden. Saldo is het openstaande bedrag dat nog betaald moet worden. Limiet is de som dat de klant "rood" mag staan. De limiet is per klant versteldbaar. Laatste communicatieveld om bij te houden wanneer er voor het laatst is gebeld/gemaild. Het bankrekeningnummer is een 10-cijferig nummer. Het saldo bevat de som van alle openstaande rekeningen. Het aantal facturen komt overeen met het aantal openstaande facturen. Het omzetbedrag is de som van alle facturen, hiermee kunnen we aan het einde van het jaar zien hoeveel omzet er is gemaakt per klant. Het Grootboekingsnummer is een 10-cijferig nummer. Bij het BTW-code hanteren we wettelijke verplichte BTW-percentage. | De heer Vorselaars | Tijdens de ontwikkeling van de applicatie |
| Logboek per klant waarbij er naar gekeken wordt of er voorgaande facturen is betaald. | Handig om te voorkomen dat er fouten worden gemaakt. | Jean-Pierre | Na de ontwikkeling van de applicatie |
| De klant "verwijderen" als er een lange tijd geen opdracht wordt geboekt | Er worden geen klanten uit de database verwijdert. De klant wordt op inactief gezet. Zodra de klant weer een opdracht boekt wordt de klant weer actief. | De heer Vorselaars | Na de ontwikkeling van de applicatie |
| Toekomst bijprogramma's | Switchen naar ons "pakket". Word en Excel wordt niet meer gebruikt om te administrateren. | Jean-Pierre | Na de ontwikkeling van de applicatie |
| Ontvangst notule | Terugkoppeling sturen. | Youssef | 11-9-2017 |
| Afronding gesprek | Geen | Jean-Pierre, Lukasz en Youssef | Geen |

## Appendix 3



