Barroc-IT

METHOD OF APPROACH

**Our Company**

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**Project promoter:** Fer van Krimpen

**Group number:** 10

**Group members:** Nico Steenvoorden

Mike van Nieuwburg

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Cem Dursun

**Class:** RIO4-APO2A & RIO4-APO2B

**Version:** 1.1

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**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Versie** | **Datum** | **Beschrijving** | **Door** |
| 1.0 | 15-09-16 | Creation ,… | Anthony |
| 1.1 | 15-09-16 | Backgrounds, /Assignment, Borders, Product, Risk | A |
| 1.2-1.3 | 16-09-16 | Activities, /Quality, /Cost, Risk, Organization | A, Cem, Mike |
| 1.4 | 18-09-16 | /Quality, | A |
| 1.5 | 21-06-16 | /Cost, /Assignment | A |

Note:

* Quality parentheses

**1. Backgrounds**

**Organization:** Radius College MBO school **Location:** Terheijdenseweg 350, Breda **Project group number:** 10 ( Anthony, Cem, Mike, Nico)

**Client :** Mr. van Bueren, Barroc It.

The organization who make this partnership possible is called Radius College, our lovely school.

Our team, ‘Group 10’, is made of 4 enthusiastic young members, all have their defaults and qualities.

Our main goal is to finish this project in time. We keep managing our motivation all along the project term to serve the justice of good-programming.

We are like naive fresh meal who have some difficulties to make a decent application, but we know our defaults better than anyone, and is why this project is in safe hand.

The organization's CEO, asked use to make an application which carry database for their Developments, Finances and Sales department. This product will help Barroc-It to manage their data for their Development,, and will for sure increase their products qualities.

**2. Project Assignment**

**//not finish**

**BarrocIT Management Tool**

**This project, called BarrocIT is a request from the Barroc-IT company. The CEO, M van Bueren contacted us to improve the quality and the reliability of the communication within their company, because a big part of their internal communications is still verbally. To solve this problem the company Barroc-IT has asked us to develop an application to store all their customer, project and financial data.**

**We need to design an interface for each department: development, finance, and sales. In those interface the employees will be able to perform different action with the client’s data.**

**To do that we need Functional and Technical Designs, those are described in the project activities chapter.**

**We will need to build a normalized database.   
If a client doesn’t pay for the project the data would need to be updated so that the concerning’s departments will be aware of it.**

**This way all the information will be easily shared among the departments. This will result in a faster work flow and less mistakes and problems.**

**Because of their three departments, Barroc-It need X different accounts, one for each department and 1 admin account.**

**The final product, the application, will need to be finish before the deadline**

**3. Project Activities**

**Writing documentation for pre phase.**  
 - Collaboration Contract  
 - Preparation for Interviews

**Interviewing the different branches and the owner of the company** - Interview with the owner.  
 - Interview with the head of Sales.  
 - Interview with the head of Finance.  
 - Interview with the head of Development & Research.

**Writing the remaining documentation.**  
- Global planning.  
- Method of approach.  
- Making wireframes (prototypes).

**Functional Design** - Designing a Use-Case.  
 - Making a Use-Case Template.  
 - Making an Activities diagram.

**Technical Design**  
 - Making Class diagram.  
 - Designing a data dictionary.  
 - Making Sequence Diagram.  
 - Collecting all the Soft / Hardware.  
 - Building and normalizing the database.  
 - Creating the data dictionary.  
 - Creating a working solution (application wise).

**Test Phase**  
 - Making and testing of the Dataset.  
 - Making and executing a technical test.  
 - Making and executing a functional test.  
 - Making and executing a acceptation test.

**Final Phase**  
 - Writing a user manual (English and Dutch).  
 - Presenting the application.  
 - Delivering the Journals with time registration.

**4. Project Borders**

First of all, the project begins Monday, September 12 2016 and need to be finished before Wednesday, October 30 (7 weeks). Past this deadline, the product will not be altered.

**Finals priorities:**

If we want to achieve this product without any disturbing delay, we firstly need to plan a meeting 2-3 weeks before the deadline. This can be a really important reunion, we need to look what is done and what is clearly not. Take a look at our current priorities, then divide them by importance. Of course take note, looking for project needs. And if needful, tasks can be swap among group members. So we can easily manage our motivation: if one of us got bored/stuck with his project task(s), we can swap at any time.

**5. Products**

These products will be implement in the project:

* Method of approach
* prototype
* the application
* user manual
* project rapport

**6. Quality**

□ Zijn terugkoppelingen met opdrachtgever genoemd?

□ Zijn afspraken opgenomen over te gebruiken hulpmiddelen (onder andere software)?

□ Wordt het vragen van extern advies genoemd?

□ Worden producten in fasen opgeleverd (bijvoorbeeld conceptrapporten, goedkeuring, definitief rapport)?

The quality of the products is our main goal. We guarantee you an application structured, simple, and easy to use. And all the documentation necessary (to make this project possible)

For a good quality product, there is some points who need to be cited:

* Informations well processed and useful to all employee
* Because the Finance department work with the software Exact, we have been asked to make a similar interface
* they must be clearly marked to be pushed through and clear

Here below is a short list of what can help us to improve the product quality

* Several meetings with Formal Client
* Technical Research on specific part of project
* Project Management in professional way
* Weekly meetings with all the group members
* One-by-one Evaluation by group members
* Delivery of a product final report at the end of the contract

**//Final priorities:**

To ensure we finalize this product without any delay we will plan a meeting 2 weeks before the deadline. This can be a very important meeting in which we will go through the last details that still need to be done. We will look at our priorities and divide them by importance. If needed we will also reassign group members to different tasks to ensure everyone is doing the thing he is most capable off. This is not only to speed up the development, but also to keep our motivations high so we keep aiming to develop the best application we can make.

**7. Project Organization**

**Leader:** Nico Steenvoorden

**Scriber:** Mike van Nieuwburg

**Members contact information:**

|  |  |  |  |
| --- | --- | --- | --- |
| Project member | Address | Phone number | E-mail address |
| Anthony Carincotte | Boschstraat 170a | 0638324262 | anthogame57@yahoo.fr |
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| Mike van Nieuwburg | Terheijdenseweg 350 |  | D215937@outlook.com |
| Nico Steenvoorden | Terheijdenseweg 350 |  | D180941@edu.rocwb.nl |

A good communication between us and the project client is necessary to avoid miscommunication and make the project requirements clearer.

Our main goal is to get every requirements finished before the deadline. We work together about 4 hours per day 5 days a week, Monday until Friday with a 20min break. If necessary, we generally bring our work home and finish it at home.

We are using the software « GitHub », it allow us to share our file between each group member. Secure and fast, this software is our main way to share our work, compare, and discuss about it. And we have a binder to classify each of our important documents.

We are using WhatsApp to communicate among us, and to share important information when it is necessary.

**8. Planning**

**9. Costs and Benefits**

Like cited in chapter 5, the price includes:

* A Method of approach
* A prototype
* An application
* A user manual
* A project rapport

//put “200km” in the description column

//stelpost ??

**//14,069**

The full price, 17.829,35 €, is described below.

If the application or all other product including the documentations are not finish in time, they won’t be any cost.

No change in the price will be made.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **AANTAL UREN** | **Description** | | | **P.P PIECE** | **TAX** | **COST** |  |
| 58 | Preparation | | | € 33,00 | Y | € 1 914,00 |  |
| 320 | Build the application | | | € 33,00 | Y | € 10 560,00 |  |
| 20 | Build the database | | | € 33,00 | Y | € 660,00 |  |
| 16 | Test the product | | | € 33,00 | Y | € 528,00 |  |
| 15 | Others activities | | | € 33,00 | Y | € 495,00 |  |
|  |  | | |  |  |  |  |
|  |  | | |  |  |  |  |
|  | Travel expenses | | | 200km | Y | € 278,00 |  |
|  | Stelpost | | |  | Y | € 300,00 |  |
|  |  |  |  |  | Subtotal | € 14 735,00 |  |
|  |  |  |  |  | Tax | 21,00% |  |
|  |  |  |  |  | Tax cost | € 3 094,35 |  |
|  |  |  |  |  | Extra | - |  |
|  |  |  |  |  | **Total amount** | € 17 829,35 |  |

12. Risk analysis

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| risks | How can we avoid this risks? | How frequently can this happened? | How big is the impact of this? | How important is this risk (1-10)? |
| Sick | Homework. | Occasionally | Small (Big if often) | 4 |
| Computer crash | Save each document each hour. | Rarely | Big | 3 |
| Internet problems | Smartphone. | Often | Medium/Big | 8 |
| Disagreement between group members | Have a meeting. If a unanimous decision is not possible. The group leader has the final word. | Rarely | Big | 3 |
| Miscommunication | Communication. | Rarely | Medium | 2 |
| Lack of time | Make up for it in our spare time. | Often | Medium/Big | 9 |

13. Finally

The closeout won’t be in phases because the project will go on after we have finished our part of it. The end of the project will be decided by the company’s management and how this is going to be managed is up to them.