Method of APPROACH

28-9-2015 - Team 6

**Barroc-IT Application**

**Our Company**

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**Project promoter:** Fer van Krimpen

**Group members:** Anthony, Sjoerd, Rudy

**Project organization**: Barorc it

**Location:** 330

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

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# Revision History

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|  |  |  |  |
| --- | --- | --- | --- |
| Date | Group members | Description | Version |
| 07/09/15 | Sjoerd |  | 1.0 |
| 08/09/15 | Anthony | Introduction: what do I need to do? | 1.1 |
| 10/09/15 | Anthony | Risk's analyses and project organization done | 1.2 |
| 13/09/15 | Anthony | Page layout | 1.3 |
| 15/09/15 | Anthony | Project background and borders | 1.4 |
| 17/09/15 | Anthony | Finalization | 1.5 |

# 1. Backgrounds

**Organization:** Radius College MBO school **Location:** Terheijdenseweg 3500, Breda **Project group number:** 6 (Anthony, Rudy, Sjoerd)

**Client:** Mr. van Bueren, Barroc-IT.

The organization's CEO has asked use to make an application to improve the communication and data management within the company. At the moment the communication among their departments is though phone or email. This method is very susceptible to human error which we will try to take away.

'Team 6' is an organization that came into existence at 07/10/15 by three Application Development students from the “Radius College” located in Breda.

Our main goal is to enjoy the development process as much as possible. We try to combine our fun with our performance, because we believe the only way to create amazing products is to enjoy making them.

We have only just started out as a business and we are bound to make some mistakes, but we make up for it with enthusiasm and dedication.

# 2. Project Assignment

First of all we named the project:

Barroc-IT Database Development (BDD).

This project is a request from the Barroc-IT company. They contact us to improve the quality and the reliability of the communication within their company, because a big part of their internal communications is being done verbally. To resolve this problem Barroc-IT has asked us to develop an application to store all their customer, project and financial data. This way all information is easily shared among the departments. This will result in a faster work flow and less errors.

# 3. Project Activities

In order to create the application we will do the following things.

1. Set up a method of approach:

- Study the received information.

- Create a definitive method of approach.

1. Make a planning:

- Divide the work into small parts.

- Assign people to the smaller parts where they fit best

1. Create a technical design for the application

- Make a class diagram

- Make sequence diagrams

- Make use-case diagrams and templates

- Make a model dictionary

1. Building the application

- Make a normalized database design

- Create the definitive data dictionary

- Code the application

- Make and execute a technical test

- Make and execute a functional test.

1. Finishing the project

- Make and execute the acceptation test.

- Deliver the application with user manual.

- Make a team report.

- Present the application

- Finish our time log.

# 4. Project Borders

First of all the project will begin Monday the 9th of September 2015 and needs to be finished before Wednesday the 30th of October (7 weeks). Past this deadline the product will not be altered, but if necessary we will do maintenance work like bug fixing.

# 5. Products

These products will be implement in the project:

* Method of approach
* Prototype of screens
* the application
* user manual
* project rapport

# 6. Quality

The quality of this project is one of our main goal, this is why we try to acquire as much detail as possible, allowing us to improve the product quality.

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
* Acceptation test performed

**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/she 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: Sjoerd Teunisse

Main Scriber: Rudy Meijsen

Development Manager: Anthony Carincotte

**Project members contact information:**

|  |  |  |  |
| --- | --- | --- | --- |
| Project member | Adres | Phone number | E-mail adres |
| Sjoerd Teunisse | Chabotstraat 36 | 06 29 58 22 66 | Sjoerdteunisse@gmail.com |
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| Anthony Carincotte | 166 Baronielaan Breda | 06 24 32 91 25 | antholacatin@gmail.com |

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 can bring our work home and finish it at home.

We are using the software « Dropbox », it allow us to share our file between each group member. Easy, 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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Task name | Estimated time | Begin date | End date | Resource name | Pre going tasks |
| **Inception Phase** | **41,33** hours | **din 8-9-15** | **maa 21-9-15** |  |  |
| 1A. Prepare for interview | 20 min | din 8-9-15 | din 8-9-15 | Anthony; Rudy; Sjoerd |  |
| 1B. Interview and review after | 1 hour | din 8-9-15 | din 8-9-15 | Anthony; Rudy; Sjoerd | 2 |
| 1C. Renewed assignment | 2 hours | don 10-9-15 | maa 21-9-15 | Sjoerd | 3 |
| 1E. Quote release | 2 hours | vri 11-9-15 | vri 11-9-15 | Rudy | 5 |
| 1G. Method of approach, including risk analyses (Engels) | 5 hours | vri 11-9-15 | maa 14-9-15 | Anthony | 6 |
| 1F. Agenda and the minutes of each meeting | 45 min | maa 14-9-15 | maa 21-9-15 | Sjoerd; Rudy | 8 |
| 1D. Prototype of screens based on the interview | 4 hours | maa 21-9-15 | maa 21-9-15 | Sjoerd | 4 |
| **Functional desing** | 3 hours | maa 21-9-15 | maa 21-9-15 | Sjoerd | 7 |
| 1H. Global planning for the whole project with planning tool (MS-project) | 2 hours | din 15-9-15 | din 15-9-15 | Sjoerd | 1 |
| 1J. Detailed taakverdeling van het Functioneel ontwerp in MS-Project | 3 hours | woe 16-9-15 | woe 16-9-15 | Sjoerd |  |
| 1L. Use-case templates | 4 hours | woe 16-9-15 | don 17-9-15 | Rudy | 11 |
| 1M. Activity Diagram | 4 hours | don 17-9-15 | vri 18-9-15 | Sjoerd | 12 |
| **Elaboration Phase** | **21,92** hours | **don 17-9-15** | **vri 25-9-15** |  | **12** |
| 2A. detailed task division of the Technical design in MS-Project | 2 hours | don 17-9-15 | vri 18-9-15 | Anthony |  |
| 2B. Modeldictonary (optional) | 1 hours | vri 18-9-15 | vri 18-9-15 | Rudy | 15 |
| 2C. Classdiagram (optional) | 2 hours | vri 18-9-15 | vri 18-9-15 | Sjoerd | 16 |
| 2D. design datadictionary | 2 hours | woe 23-9-15 | don 24-9-15 | Rudy | 17 |
| 2E. sequence diagram | 1 hours | don 24-9-15 | don 24-9-15 | Sjoerd | 18 |
| 2F. overview task division of the development stage | 1 hours | don 24-9-15 | don 24-9-15 | Anthony | 19 |
| 2G. overview of all used hardware and software for the projects development | 2 hours | don 24-9-15 | vri 25-9-15 | Sjoerd | 20 |
| **Construction Phase** | **44,67** hours | **vri 25-9-15** | **woe 14-10-15** |  | **14** |
| 3F.Technical test has been applyed. | 3,67 hours | maa 12-10-15 | din 13-10-15 | Rudy |  |
| 3E. Technical test is made. | 3 hours | maa 12-10-15 | din 13-10-15 | Sjoerd |  |
| 3B. Datadictonary Final | 2 hours | vri 25-9-15 | vri 25-9-15 | Rudy; Sjoerd; Anthony |  |
| 3D. Dataset (lists of input in de the database that where tested) | 2 hours | vri 25-9-15 | vri 25-9-15 | Anthony |  |
| 3A. Normalized database design | 3 hours | maa 12-10-15 | din 13-10-15 | Sjoerd |  |
| 3B. The database(Built) | 1 hours | din 13-10-15 | din 13-10-15 | Rudy; Sjoerd; Anthony |  |
| 3C Working solution and all requirements implemented | 10 days | din 29-9-15 | woe 14-10-15 | Rudy; Sjoerd; Anthony |  |
| 3G. Functional test made. | 2 hours | din 13-10-15 | din 13-10-15 | Anthony |  |
| 3H. Functional test has been done. | 2 hours | din 13-10-15 | din 13-10-15 | Sjoerd |  |
| **Transition Phase** | **21,67** hours | **din 13-10-15** | **din 20-10-15** |  | **22** |
| 4A. Acceptance test has been performed by (user of) the client. | 1 hours | din 13-10-15 | din 13-10-15 | Rudy |  |
| 4F. Logbook time registration | 2 hours | woe 14-10-15 | woe 14-10-15 | Anthony | 33 |
| 4B. User manual | 1 hours | don 15-10-15 | don 15-10-15 | Sjoerd | 38 |
| 4C. Project report | 2 hours | vri 16-10-15 | vri 16-10-15 | Rudy | 34 |
| 4D. Team report (= individual reflection) | 3 hours | maa 19-10-15 | maa 19-10-15 | Anthony; Rudy; Sjoerd | 35 |
| 4E. Presentation | 3,33 hours | din 20-10-15 | din 20-10-15 | Sjoerd; Rudy; Anthony | 36 |

# 9. Costs and Benefits

The price of the Barroc –it application that we will be developed for the price given. Costs are: 2750 euro for the application, this will contain licenses, and loan costs. The project will be around 120 hours of work.

# 10. 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 |

# 11. Finally

We are very much looking forward to developing a solution for Barroc-IT so they can improve their communication in the company. We hope this document has given you enough information to have us start on building the application.