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| RADIUS COLLEGE |
| Plan van Aanpak Barroc-IT |
| Periode 1.3 |
| Versie 1.0 |
| **Kelvin Snepvangers, Joey Kieboom, Jordi Bastiaansen** |
| **Groep: 8** |
| **23-9-2015** |

Opdrachtgever: M. v bueren

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# 1. Background

The background of this group is a team of application developers put together by the teachers of our education. The establishment of our group is at Terheijdenseweg 350, 4826 AA Breda we manly work in the room 330.

There is only one department is our group.

This group consists of:

Kelvin Snepvangers - programmer, with education Applicatieontwikkelaar

Joey Kieboom - programmer, with education Applicatieontwikkelaar

Jordi Bastiaanse - programmer, with education Applicatieontwikkelaar

Our organisation makes various projects that are given to us by the teachers and simulate the real world.

Good agreements are made, and we get along and work together well. So we expect a good and serious start.

This project was asked to be made by M. van Bueren to help with and combine the data storage applications in use now.

# 2. The projectassigment

The intention of the this assignment is to make a data storage program that combines the use of the application’s in use right now and is able to coexist with the application for a given amount of time. There are some restrictions we have to work with further information about this subject has been described in the part Project Boundaries. Eventually these are the points we want to visualize in this application:

* A window to login with.
* One window where the different datasheets can be accessed via tabs.
* A window to add data to the database.
* Buttons to change data, remove and add data to the database.
* Different menu options including: print datasheet, help and refresh database.
* A button leading to the recent changes in the database.

# 3. Project activities

**In this project we are going to conduct the following activities:**

**Make a PvA.**

**Draw prototypes**

**Create an bill**

**Make a use-case diagram and templates.**

**Create an activity diagram.**

**Make various planning’s in the program MS-Project**

* **Global**
* **Detailed about functional design**
* **Detailed about technical design**

**Create a model dictionary.**

**Make a class diagram.**

**Design a data dictionary**

**Make sequence diagrams.**

**Make some overviews about the development area.**

* **Tasks**
* **Hard- and software**

**Code the application.**

**Make and perform various tests:**

* **Functional**
* **Technical**

**Deliver the products**

# 4. Project Boundaries

The project started on 6 September 2015, and runs till 6 November 2015. The assignment is to make an data storage application that combines the different data storage already in use by the departments. This application data has to work with the applications in use now (excat, excel and word). Not all departments are allowed in every database and not all options are allowed to be performed by different departments. There is also a need for different login accounts per department (1 per department). There is also a need for different sort options a way to see appointments in a calendar. The payment of project is controlled via a limit which when exceeded will stop the maintenance contract automatically. The amount of projects a client can have **open** at a time is 1 there is however no limit to the total amount of projects you can have.

# 5. The Products

The next products will be delivered:

* Prototypes of the application
* PvA
* the application
  + Windows Form application design
  + 5 different database that work with the program (users, clients, bills, projects, appointments)
  + Working login system
* Class diagram
* Logbooks
* User guide
* Project rapport

# 6. Quality

The application must comply with the requirements of Section 2.

The application will be made with C# code and programmed with the help of visual studio 2013 it also has to work for windows computers

Every class and method will have a little description about what this code does. This makes it clearer for other people what the code is about and there are less questions about what it does so the work flow is better. After a day of work the most recent changes to code and documents will be uploaded to dropbox the code will also be saved with the help of visual studio team explorer. With this we hope to keep the quality of the product high. The various reports we will deliver you can be checked by various sources and if not made correctly you can message us. We will deliver various reports and different versions as we make them up to the working standard. After all these quality controls you can still ask an outside party about the quality of our products so they can assure u.

# 7. The project organisation

It was decided that there is no difference in ranking between the project members, because with three people you can keep relatively easy overview. So everyone is jointly responsible for the overview of the project, and monitor broadly without losing sight of the details. Warnings are mutually to one another.

We have two different special functions project leader (Kelvin Snepvangers) and a secretary (Joey Kieboom).

Our group:

Kelvin Snepvangers

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Joey Kieboom

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Jordi Bastiaansen

Address: Meers 16

Mobile: 06 21594981

E-mail: [jordi.bastiaansen@gmail.com](mailto:jordi.bastiaansen@gmail.com)

We are available through the week (Mo-Fr) from 8:40 till 12:40 excluding Thursday when we start on 9:20.

The communication with the project client (M. van Bueren) is controlled via email this email address is: f.vankrimpen@rocwb.nl

We can also consult the head of finance (W. Vorselaar) and he can be contacted via the email address: m.pot@rocwb.nl.

The communication within our company goes via mail, a cloud storage and mouth to mouth. We also held a weekly meeting in which we talk about how it is going with the project and what has to be done this week. The amount we work and what we have worked on will be documented in a ms-project file and also in a excel file. The project members will keep an excel document up to date with all the work they have done for the week at the end of the week the project leader collects these files and makes one overview of the work done this week and send is to the client when asked for. We save this files in our project cloud storage.

# 8. Planning

See Planning.mpp

# 9. Costs and benefits

We can do a small estimate of the cost. There will be no extra cost seeing that Radius College will be providing the project group with materials that are maybe of use in this project. For more information about costs you can read the Bill document. As of the benefits we will be excepting. There should be an increase in communication between departments and also the window to make mistakes (mainly with wrong data) is a lot smaller then before this investment.

# 10. Risks

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| description risk analyse | countermeasures | likeliness chance | Influence  result | Risk (chance x result) | priorities |
| Scale |  | 1/10 | 1/10 | 1/100 | 1/10 |
| Intern: |  |  |  |  |  |
| Getting sick and miss days | Take vitamins | 3 | 7 | 21 | 2 |
| To be late | Take the bus/train earlier | 1 | 6 | 6 | 4 |
| miscommunication | Write every conflict down | 3 | 10 | 30 | 3 |
| Lessons that don’t go thru | Find another workplace | 1 | 10 | 10 | 1 |
| Power shortage | Take a charged laptop with you | 1 | 9 | 9 | 6 |
| Internet doesn’t work | Work on things that don’t need it | 4 | 2 | 8 | 5 |
| Extern: |  |  |  |  |  |
| School on fire | fire extinguisher | 1 | 10 | 10 | 1 |
| Public transportation doesn't drive | Take car | 2 | 10 | 20 | 2 |
| Flat tire | Car/ public transportation | 2 | 4 | 8 | 3 |
| Public transportation is too late | Car / train | 3 | 6 | 18 | 4 |

conclusion: the risk for this project are fairly small.