**Beta Business**

**Requirements Specification**

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**Project Description**

It is a software that helps company to manage their finances, costumers and whole business. It will offer easy data exchange between different departments of the company.

The purpose of this project is to make a program which will help managers use their company data in a more efficient and effective way.

**Product Description**

This product is related to other financial softwares, because it helps in managing the finances of the whole business. It is independent, it doesn’t need to interface with a variety of related systems as all of the components will be genuine.

**User Characteristics**

This product is designed to be used by many people who work in the company, and this program will require users to have knowledge on using this application and a two week course will be made in order to learn how to use this program. Employees with no knowledge will be strictly prohibited to use it.

So who is going to use this program?   
Let’s start with the higher hierarchy: The top managers: CEO, CFO will have a unique access to the program, different from the others since they need to know absolutely everything going on in their company (stuff like total revenues, cash flows, reports, transactions, debts etc.).  
Besides them, the employees, or let’s call them sales agents will also have access to the program, but unlike managers, sales agents will have limited access. It is not their responsibility, and definitely not their business to know every detail in the company they work for. So for now they will only have access to daily transactions, reports, bills, and also partially at the debts page.

**Constrains**

For the product to work perfectly well, it needs to be installed at the proper machines. It will run smoothly on a high-spec PC, and okay in a medium PC, but it definitely will crash if you install it on an old, low-spec PC. Having all those databases and data will need a lot of free space in your PC.

**Requirements**

**Functional Requirements**

| Req# | Requirement | Comments | Priority | Date Rvwd | SME Reviewed / Approved |
| --- | --- | --- | --- | --- | --- |
| BR\_01 | The program should include every product that the company has in inventory. | Business Process = “Adding products” | 1 | 03/04/17 | Albi T, ErnaldoGj,  Arnold V,  Igli T,  Ornela T |
| BR\_02 | The program should calculate how much is left, cost of each product, how much will they sell it. | Business Process = “Calculations”  A missing product alert will help in informing our suppliers | 2 | 03/04/17 | Albi T, ErnaldoGj,  Arnold V,  Igli T,  Ornela T |
| BR\_06 | The program should keep a record of all of the clients of the company. | Business Process = “Adding clients” | 2 | 03/04/17 | Albi T, ErnaldoGj,  Arnold V,  Igli T,  Ornela T |
| BR\_09 | The program should be able to specify the clients, to add them in the debts page if they have any debts in the company. | Business Process=”Add client debts”  When clients pay their debts, they will no longer be in the debts page, and their status will be “No debts” | 2 | 03/04/17 | Albi T, ErnaldoGj,  Arnold V,  Igli T,  Ornela T |
| BR\_13 | The program should be able to see reports from daily sales of the company. | Business Process=” Reports”  A calendar will be visible to make it easier for users to navigate through the days/months to see their balances and numbers | 2 | 03/04/17 | Albi T, ErnaldoGj,  Arnold V,  Igli T,  Ornela T |
| BR\_14 | The program should be able to identify users | Business Process=”Credentials”  A sales agent doesn’t have same access as managers so the login page will identify users. | 1 | 03/04/17 | Albi T, ErnaldoGj,  Arnold V,  Igli T,  Ornela T |

**Non- Functional Requirements**

* Accessibility: It will be seperated in two logins. The Admin Login, and the User Login. The Admin login will be accessed only by the top managers, and User login will be available only for the sales agents.
* Documentation: The program will have a special page for the documentation, which will be called "Reports", and will have the daily sales of the company.
* Efficiency: The main advantage of this program is that it will be easy to be used and time-costless.
* Security: The program will be connected with a database and highly secured and encrypted. It will have 3 types of validations.

**Domain Requirements**

Domain requirements reflect the environment in which the system operates so, when we talk about our program domain we mean environments such as transactions, reports etc.

The domain requirements are fundamental for our project because a lot of calculations shall be done.  If these requirements are not satisfied, it may be impossible to make the system work satisfactorily. There will be multiple multiplications such as:

Total products price= price x quantity.

Also there will be a lot of additions such as : sum of different products.

# User Scenarios/Use Cases

Use case name: Log in

Overview: Provides the users to log in, by using their user name and password, in order to access the program. Employee's login is different from Admin's login.

Actor(s): Users(Admin), Users(Employee)

Precondition(s): Valid username and password.

Scenario flow

Main (success) flow :

1. Beta Business displays the log in to the users

2. User enters the username and password.

3. Beta Business checks the User’s username and password.

4. Beta Business displays the home page.

Alternate Flows-

1: Wrong username or password.

Beta Business displays an error message. The system displays the log in form again.

Post condition(s) User is logged in. They have access according to their position in the company.

Use case name: Add Products

Overview: Both types of users have access to this part of the program, and they have to add new products.

Actor(s): Users(Admin), Users(Employee)

Precondition(s): User must be logged in.

Scenario flow

Main (success) flow :

1. User logs in to Beta Business.

2. User goes to Inventory, and goes to add new tab.

3. User enters the new product's info

4. User clicks add new product.

Alternate Flows-

1: No valid data were put inside the boxes.

2. Some of the boxes were left blank

Beta Business displays an error message. The system displays the form to complete it again.

Post condition(s) Data is updated. Now user can access other functionalities.

Use case name: Add Clients

Overview: Both types of users have access to this part of the program, and they have to add new clients.

Actor(s): Users(Admin), Users(Employee)

Precondition(s): User must be logged in.

Scenario flow

Main (success) flow :

1. User logs in to Beta Business.

2. User goes to Clients, and goes to add new tab.

3. User enters the new Client's info

4. User clicks add new client.

Alternate Flows-

1: No valid data were put inside the boxes.

2. Some of the boxes were left blank

Beta Business displays an error message. The system displays the form to complete it again.

Post condition(s) Data is updated. Now user can access other functionalities.

Use case name: Add Debts

Overview: Both types of users have access to this part of the program, and they have to add new debts.

Actor(s): Users(Admin), Users(Employee)

Precondition(s): User must be logged in.

Scenario flow

Main (success) flow :

1. User logs in to Beta Business.

2. User goes to Debts, and goes to add new debt tab.

3. User enters the new Debt's info

4. User clicks add new debt.

Alternate Flows-

1: No valid data were put inside the boxes.

2. Some of the boxes were left blank

Beta Business displays an error message. The system displays the form to complete it again.

Post condition(s) Data is updated. Now user can access other functionalities.

Use case name: Delete Debts.

Overview: Both types of users have access to this part of the program, and they have to delete debts.

Actor(s): Users(Admin), Users(Employee)

Precondition(s): User must be logged in.

Scenario flow

Main (success) flow :

1. User logs in to Beta Business.

2. User goes to Clients.

3. User searches for the Client's info.

4. User check's if the client is a debitor in the company.

5. User deletes the debt he has if he has paid the required amount.

Alternate Flows-

1.No debts are in the company.

2. Client hasn't paid the required amount

Beta Business displays an error message.

Post condition(s) Data is updated. Now user can access other functionalities.

Use case name: Reports

Overview: This module is accessed only by the Admin. They can have a detailed information about business activity.

Actor(s): Users(Admin),

Precondition(s): User must be logged in.

Scenario flow

Main (success) flow :

1. User logs in to Beta Business.

2. User goes to Reports.

3.User chooses the the date he want to check.

Alternate Flows-

1: No valid data were put inside the boxes.

2. Some of the boxes were left blank.

3.This date isn't registered yet.

Beta Business displays an error message. The system displays the form to complete it again.

Post condition(s) Data is updated. There wil be shown the requested raports.

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# Requirements Confirmation/Stakeholder sign-off

|  |  |  |
| --- | --- | --- |
| Meeting Date | Attendees (name and role) | Comments |
| 04/13/17 | Albi Trashani, Igli Tola,  Arnold Valteri,  Ernaldo Gjomakaj,  Ornela Torra | Confirmed 6 modules for the  software. |
| 04/14/17 | Albi Trashani, Igli Tola,  Arnold Valteri,  Ernaldo Gjomakaj,  Ornela Torra | Approved products that will be registered in the software database. |
| 04/15/17 | Albi Trashani, Igli Tola,  Arnold Valteri,  Ernaldo Gjomakaj,  Ornela Torra | New feature confirmed. The program will calculate the cost of each product and also the net profit. |
| 04/16/17 | Albi Trashani, Igli Tola,  Arnold Valteri,  Ernaldo Gjomakaj,  Ornela Torra | Added client section. This section will keep record for all the clients registered in the company. |
| 04/17/17 | Albi Trashani, Igli Tola,  Arnold Valteri,  Ernaldo Gjomakaj,  Ornela Torra | Confirmed sales report module. This section will show all sales and transaction made in the company. |
| 04/18/17 | Albi Trashani, Igli Tola,  Arnold Valteri,  Ernaldo Gjomakaj,  Ornela Torra | Confirmed user recognition. The program will recognize which user has logged in and will provide the provided access for that user. |