Requirements Specification

1.Executive Summary

1.1 Project Overview

Star Booking this is a project that we started because of a problems wehad to solve at Star hotel.

Technology is advancing every day also the service offered by the hotel should be updated . As we know

some small details bring to a big difference for the hotel and that is directly converted in sales (profit).So

after talking with the owner and understanding the problem we have decided to make an software which

is called Star Booking ,named same as the hotel name ,because it will be a personalized software .This

software will have the purpose to make it easy for the costumers and hotel workers and manager . So

make it easy to have information about the hotel and its location , prices , service and everything related

to us. About the audience ,, as we said before main idea is to simplify booking at the hotel so that

customers are happy and don't get bored with waiting to take a room or find some information about the

hotel . As we hope the idea for the software is to make it easy not only for the customers but even for

users (workers).

1.2 Purpose and scope of this specification

Star Booking

In this project we are able to bring the costumer closer to the hotel accommodation. In what sense? By

using our software costumer will be more informed and renting a room will be easy.

They will know the price for every room and how many room are at service .

There will be a rating system where each costumer will rate(if they have the wish)to know the quality of

the service provided . There will be a brief information about the room accommodation and its

accessories . There will be an get direction so that costumer find the way to hotel easy. So the purpose is

to make it easy for the costumer to book at the hotel and be informed at all the time ..

On the other hand this software will also be used by hotel workers and manager to be informed at all the time about the hotel status and providing information easy to the costumer .

2.Product Service Description

2.1 PRODUCT CONTEXT

Star Booking: In this project we will try to bring our costumer closer to the hotel accommodation. In what sense . By using our software , the costumer will be more informed and renting a room will be easy. They will know the price for every room and how many rooms are free for use. There will be a rating system where each costumer will rate(if our service satisfyes their needs)to know the quality of the service provided . There will be a brief information about the room accommodation and its accessories . There will be an get direction so that costumer find the way to hotel easy. So the purpose is to make it easy for the costumer to book at the hotel and be informed at all the time .. On the other hand this software will also be used by hotel workers and manager to be informed at all the time about the hotel status and providing information easy to the costumer .

2.2 User characteristics

Star Booking: This is a project that we started because of some problems that Star hotel had. Technology is advancing every day ,so the service offered by the hotel should be updated . As we know some small details bring to a big difference and that is directly converted in profit .So after talking with the owner and understanding the problem we have decided to make an software which is called Star Booking ,named same as the hotel name ,because it will be a personalized software .This software will have the purpose to make it easy for the costumers, hotel workers and manager . So it will make make it easy to provide information about the hotel and its location , prices , service and everything related to it . As we said before main idea is to simplify booking at the hotel so that customers are happy and don't get bored while

waiting to take a room or find some information about the hotel . As we hope the idea for the software is to make it easy not only for the customers but even for users (workers). In this project we are able to bring the costumer closer to the hotel accommodation. In what sense … By using our software costumer will be more informed and renting a room will be easy. They will know the price for every room and how many room are at service . There will be a rating system where each costumer will rate(if they have the wish)to know the quality of the service provided . There will be a brief information about the room accommodation and its accessories . There will be an get direction so that costumer find the way to hotel easy. So the purpose is to make it easy for the costumer to book at the hotel and be informed at all the time .. On the other hand this software will also be used by hotel workers and manager to be informed at all the time about the hotel status and providing information easy for the costumer . The end users here are the phones connected with this software and that are connected – interacting with each-other in order to have a better operation in order to provide a better service.

2.3 ASSUMPTIONS

We assume that this projects is going to generate a good connection between users which is going to affect the service , as we sow the biggest problems there was communications between employees caused from the big number of customers ,and to prevent communication losses   we came up with hierarchical log in that help every user to manage and report online .External users will will have it easier to be informed for every change and for every update of the activities that are currently happening in the hotel ,bar ,restaurant. Even for the manager everything will be easy to be informed for the performance of every employee .

2.4 CONSTRAINTS

This project will be done before July 30 and that is the date of the delivery and the last date of consoling every problem . after that we are going to have 2 days to install and guide users for the functions of this software and after that everything must be finished.

We have chosen that main programming language of this project will be (php) also with some other programming languages to make it more useful and interactive as possible.

2.5 Dependencies

Sales-inventory this is the most type of dependencies at this project because it will have a big impact at the software, after a sale is done from an user account it will be reported at the user report also will be a information for all managers to know every user performance .

Reservation-vacancy another very important service that will be depended form each other , because after the reservation is done the software will report for every user that a reservation is done and will delete from the list the room that has been reserved.

user- user this dependency is conducted with some specific users ,managers will have every information that their employees are doing and how they are doing their job .

3.Requirements

3.1 Functional requirements

Req #	Requirement	Comments	Priority	Date Rwd
R_01	For each person that signs up the software should put his data in the database .	Personal information is put in the database	1	
R_02	After the user has been registered once, he can login every time with username and password	USER data will be available now in database	1	
R_03	Users can only update or manipulate only some kind of information that is allowed for them.	Clients of the hotel can only manipulate their personal info.	1	

R_04	Different kind of users will see different pages.	Security issues	1	
R_05	The software should be able to keep user data private and secure	Security issues	2	
R_06	The software shouls be able to generate financial reports.	Reports will be generated in excel sheets	1	
R_07	Users that are clients of the hotel can check their booking or orders history .	Activity log available	2	
R_08	-Users that are workers of the hotel can check their daily operations while working .	Activity log available	2	
R_09	Users that are clients of the hotel can search for the type of rooms they want to book.	Search button available so thing will be faster	2	
R_10	Users that are workers in the restaurant should register all the orders in the system .	This will make their work easier	1	
R_11	Users that are workers in the restaurant can edit , add or delete products.	Edit ,add or delete buttons available		
R_12	Users that are workers in the restaurant can edit , add or delete rooms	Edit ,add or delete buttons available		
R_13	Users that are human resources workers can manage the employee lists.	Edit ,add or delete buttons available		

Non – functional Requirements

3.2 User interfaces

While designing our software the most important thing that we will keep in mind is to make it easy and understandable for the users. It will not have too much information, just the most important things. Also for the users it will not require useless personal data but only some important data needed to identify each user. The information will be organized in such a way that it will not make the users confused. There will be different buttons and the function of each one of them will be clear so that users won't get confused. Regarding to colors we will use colors that are not tiring for the eyes. The users will start with the login and we will make sure that the other steps will be clear and easy to follow. This software will also take care of the hotel's financial reports that will come in excel sheets. Everything will be in Albanian language so users will have it easier to understand the functionality of each button without being confused

.

3.3 Usability

For the usability of our software these are the most important tasks to be completed:

-The interface will not be complicated .

-it will be very easy to use so that users can complete the tasks in short time and without errors.

-The application will come with instructions on how to use it and will be very easy to understand.

-The function of all different buttons will be clear so that users won't get confused.

3.4 Performance

3.4.1 Capacity

Expected number of simultaneous user should be at least 7. System should be able to deal with 7 users at the same time.

3.4.2 Availability

System Availability is the availability of the system when it is used.

-The system availability should be more than 98% of the time not considering network failures.

- It should be available in all Albanian territory 24/7

-The reliability that the system gives the right result on a search -- More than 98% of the searches.

-The system must be connected to the internet in order to communicate with the database.

3.4.3 Latency

Although this will depend from the internet connection:

-The max amount of time for a restaurant order to be accepted should not exceed 20 sec

-The max amount of time for a booking request to be completed should not exceed 15 sec .

3.5 Manageability/Maintainability

3.5.1 Monitoring

According to our predictions the system failures will be rare ,as we have worked hard to make it runnable. The most common reason why the system may fail is the bad internet connection. In case of other failures we will provide a guide of how users can handle this failures. We will also provide to them our contact numbers so they can contact us and we can help. We will also be present with updates and do our best to improve our system and make it easier for users.

3.5.2 Maintenance

All we can do for the maintenance of our software is to provide updates in order to improve the functionality of it. The users will not have difficulties in maintaining the software as long as it is easy and only requires capabilities that each person nowadays has. We will make sure that everything works fine time after time.

3.5.3 Operations

These will be some of the most important operations:

-Users can login whenever they want in our software.

 -Users can update their personal information.

-Users that are clients of the hotel can check their booking or orders history . They can search for the type of rooms they want to book.

-Users that are workers of the hotel can check their daily operations while working and can generate financial reports

-Users that work in the human resources department can manage employee lists.

-Users that work in the restaurant can add ,edit or delete products.

-Users that work in the hotel can add,edit or delete products.

-Some type of users can communicate of each other.

3.7 Security

Nowadays the majority of the apps that each one of us uses have already been hacked. But how can we protect our application from being hacked.

3.7.1 Protection

The first important thing is to keep the software up to date. Although it may seem like something obvious it is the most important thing in order to keep the software secure.

Validation – Firstly it should be done on browser and server side .Especially for passwords validation is really important. It is important to be used strong passwords with at least eight characters, with numbers, lower case and upper case letter. We should also use validation for some mandatory fields that should not be empty.

Another important issue is to make sure that no malicious code will be put in our database because this will cause big problems such as stolen or deleted information.The best thing to be done is to use parameterised queries. For example:

```
$stmt = $pdo->prepare('SELECT * FROM table WHERE column = :value');

$stmt->execute(array('value' => $parameter));
```

3.7.2 Authorization & Authentication

 Authorization-There will be different type of users. Each one of them will have access constraints. Users can not modify any information except their personal information. Only admin can modify information and access the database.

Authentication- each user will login with a username and password .

3.8 Data management

The types of data will be a lot . Firstly we will have the data of the users personal information such as names surnames phone numbers and email addresses. We will have data about the rooms ;available rooms and non available rooms. We will have data about all restaurant products. Also we will have data about the purchases and all other financial data. These data wil be kept in the database in an organized way . Some of these data will be kept private and others will be visible to everyone.

3.9 Standards Compliance

In order to sign up the users should provide some information such as name, surname, city and phone number or email address. This information is used when the clients make a reservation, or for example when we send emails. It is our duty to make sure that the personal information of the clients of Star Hotel will be kept private. We will never make this information public. We will share information only in response of a lawful request by public authorities. Regarding to financial statements we will never make public any details about the financial issues of Star Hotel.

3.10 Portability

Portability means running on most number of different platform without an additional effort. To achieve this, web application should be developed by using the common technologies and tools which are provided by all common web browsers and operating system such as HTML5, JQuery etc. The application should be portable with iOS and Android.

4.User stories/Scenarios/Use Cases

4.1 USER STORIES

NR.	USER STORY NAME	Description
1	Personnel log in	Using username and password of Star Hotel to access the system functionality.
2.	Register	The user adds a new client that would like to use a room at the database. In order to make registration needs to provide passport.
3.	Edit person data	If an error has occurred during client registration, the user may edit the person information.
4.	Add room	The user adds a new room which has been remodeled or repaired
5.	Delete room	If there is a room that is not more offered by Star hotel, the user may delete that room.

6.	Edit room	If one of the information of the room is not correct, the user may make changes and reuse this room with the new data .(from two beds in one bed or inverse etc)
7.	Add product of restaurant	If the client looks for a new product and it is possible for you, then the user may add that product to the restaurant .
8.	Delete product of restaurant	If any product has expired than the user may delete that product from the restaurant and can replace it with another one .
9.	Edit product	The user may edit description of product e.i from linguine in spaghetti.
10.	Search by ID	The user searches number ID and he/she will see all the information about that person.(more functional at the hotel)
11.	Search by name	The user searches for a person by name and surname .The result will show all information about that person .
12.	Search by date	The user search for persons by particular date. By clicking one date the system generates a list of clients that attended the restaurant in that date.
13	Generate report 1	The system when accessed and asked by user generates a report with all the clients, grouped by their Date.
14.	Generate report 2	The system when accessed and asked by user generates a report with all the clients ,grouped by their product.
15	Generate report 3	The system generates a report with all the clients that has taken rooms the specific day that the user wants to access.

16	Generate report 4	The system also generates a report with all the clients that have used double rooms.
17	Print report	The user may download and print it whenever it is needed.
18	Enter the salaries cost	The financier enters to the finance model the total monthly salaries cost, which correspond to the total value of the salaries of the employees.
19	Enter the food cost	The financier enters to the finance model the total monthly cost for food for employees.
20	Enter light and water cost	The financier enter to the finance model the total monthly cost for water and light at both hotel and restaurant.
21	Enter the transportation cost	The financier enters to the finance model the total monthly cost for transportation of the employees.
22	Enter the utilities cost	The financier enter to the finance model the total monthly utilities cost(taxes)
23	Other costs	The financier enters to the finance model all other cost that exist but are not included in previous groups.
24	Generate the income statement	A report that includes all the costs and shows to the financier the income statement.
25	Print the income statement	After generating the income statement the financier wants to download and then print it.
26	Generate the employees report	A report that includes all the employees by name surname and their description.

27	Add employee	The human resources manager (boss or someone else)adds a new employee with all the information.
28	Delete employee	The human resources manager deletes one employee who left the work or rest from work.
29	Edit employees data	Hrm may edit the information that each of the employees has at the system.
30	Upload a cv	This part includes the cv of each of the employees that works in restaurant or in hotel.
31	Upload the photo	Each employee should have their profile photo in the jpg format.
32	Log out	Provide the user of the *Star to log out from the system by changing the work shift.
33	Check person inactive/active state	User sees the client data, contact to the person to ask if he/she wants to participate in an special event .

4.2 User Scenarios

Scenario 1

- Username and password are entered correctly by the user.

- System verifies username and password.

- User is logged in.

- After the user is logged in, now he/she can use the administration panel.

- User fills registration form for e new client.

- Client is registered now.

- User finished his/her work and logs out.

Scenario 2

- Username and password are entered incorrectly by the user.

- System doesn`t verify username and password.

- By writing incorrect password It asks for the password and username again.

- User is logged in.

- After the user is logged in, now he/she can use the administration panel.

- User fills correctly registration form for new client.

- Client is registered now.

- User finished his/her work and logs out.

Scenario 3

- Username and password are entered correctly by the user.

- System verifies username and password.

- User is logged in.

- After the user is logged in, now he/she can use the administration panel.

- User fills registration form incorrectly for a new client.

- His/her registration is not accepted by the system.

- The user is warned to fix the problem.

- Client is registered now.

- User finished his/her work and logs out.

Scenario 4

- Username and password are entered correctly by the user.

- System verifies username and password.

- User is logged in.

- User fills registration form correctly for a new room.

- The room now is registered and it can be used by clients.

- User finished his/her work and logs out.

Scenario 5

- Username and password are entered correctly by the user.

- System verifies username and password.

- User is logged in.

- User click the button delete room and he deletes it

- The room now is unregistered and it cannot be used by clients.

- User finished his/her work and logs out.

Scenario 6

- Username and password are entered correctly by the user.

- System verifies username and password.

- User is logged in.

- After the user is logged in, now he/she can use the administration panel.

- User fills registration form incorrectly for a new room.

- Its registration is not accepted by the system.

- The user is warned to fix the problem.

- Room is registered now.

- User finished his/her work and logs out.

Scenario 7

- Username and password are entered correctly by the user.

- System verifies username and password.

- User is logged in.

- User fills registration form correctly for a new product.

- The product now is registered and it can be ordered by clients.

- User finished his/her work and logs out.

Scenario 8

- Username and password are entered correctly by the user.

- System verifies username and password.

- User is logged in.

- User deletes a product that expired.

- The product now is unregistered and it cannot be ordered by clients.

- User finished his/her work and logs out.

Scenario 9

- Username and password are entered correctly by the user.

- System verifies username and password.

- User is logged in.

- After the user is logged in, now he/she can use the administration panel.

- User fills registration form incorrectly for a new product.

- His registration is not accepted by the system.

- The user warns to fix the problem.

- Room is registered now.

- User finished his/her work and logs out.

Scenario 10

- Username and password are entered correctly by the user.

- System verifies username and password.

- User is logged in.

- User searches the clients by ID number .

- The client has been registered there before, the user enter finish.

- User finished his/her work and logs out.

Scenario 11

- Username and password are entered correctly by the user.

- System verifies username and password.

- User is logged in.

- User searches the clients by name and he/she findss him.

- The client has not been registered there before.

- The user registered the client and search by name.

- The client is registered.

- User finished his/her work and logs out.

Scenario 12

- Username and password are entered correctly by the user.

- System verifies username and password.

- User is logged in.

- User searches the clients by date and he/she finds him.

- The client has not been registered there before.

- The user registered the client and search by date.

- The client is registered.

- User finished his/her work and logs out.

Scenario 13

- Username and password are entered correctly by the user.

- System verifies username and password.

- User is logged in.

- The system access and generates by user to report all the clients grouped by date.

- The report is already done.

- User finished his/her work and logs out.

Scenario 14

- Username and password are entered correctly by the user.

- System verifies username and password.

- User is logged in.

- The system generates the report of all the clients, grouped by product that the clients have order.

- The report is already done.

- User finished his/her work and logs out.

Scenario 15

- Username and password are entered correctly by the user.

- System verifies username and password.

- User is logged in.

- The user generates all the clients grouped by specific day.

- The report is already printed.

- User finished his/her work and logs out.

Scenario 16

- Username and password are entered correctly by the user.

- System verifies username and password.

- User is logged in.

- The user generates all the clients grouped by clients that have used double rooms.

- The report is already done.

- User finished his/her work and logs out.

Scenario 17

- Username and password are entered correctly by the user.

- System verifies username and password.

- User is logged in.

- The system generates the report of all clients grouped by clients that has used double rooms.

- The report is already done.

- User finished his/her work and logs out.

Scenario 18

- Username and password are entered correctly by the user.

- System verifies username and password.

- User is logged in.

- The user print the reports with all the clients grouped by name ,product day and date

- The report is already printed.

- User finished his/her work and logs out.

Scenario 19

- Username and password are entered correctly by the user.

- User is directed at his home page

- The user (financier) clicks the add salaries button.

- The salaries costs for all employees for a specific month are added.

- Users finishes his job and logs out .

Scenario 20

- Username and password are entered correctly by the user.

- User is directed at his home page

- The user (financier) clicks the add food costs button.

- The food costs for all employees for a specific month are added.

- User finishes his job and logs out .

Scenario 21

- Username and password are entered correctly by the user.

- User is directed at his home page

- The user (financier) clicks the add w&l costs button.

- The costs for lights and water for both hotel and restaurant for a specific month are added.

- User finishes his job and logs out .

Scenario 22

- Username and password are entered correctly by the user.

- User is directed at his home page

- The user (financier) clicks the add transportation costs button.

- The costs for transportation for the employees for a specific month are added.

- User finishes his job and logs out.

Scenario 23

- Username and password are entered correctly by the user.

- User is directed at his home page

- The user (financier) clicks the add taxes costs button.

- The taxes costs for a specific month are added.

- User finishes his job and logs out.

Scenario 24

- Username and password are entered correctly by the user.

- User is directed at his home page

- The user (financier) clicks the add other costs button.

- All other costs that do not belong in any of the groups above are added.

- User finishes his job and logs out.

Scenario 25

- Username and password are entered correctly by the user.

- User is directed at his home page.

- The user(human resources manager clicks human resources button

- The user clicks add new employee button

- The user enters the required information for the new employee in the required fields

- The user clicks save

- User finishes his job and logs out.

Scenario 26

- Username and password are entered correctly by the user.

- User is directed at his home page.

- The user(human resources manager clicks human resources button

- The user clicks delete employee button

- The user chooses the employee that wants to delete from the list of employees.

- User finishes his job and logs out.

Scenario 27

- Username and password are entered correctly by the user.

- User is directed at his home page.

- The user(human resources manager clicks human resources button

- The user clicks edit employee button

- The user chooses the employee that wants to edit from the list of employees

- The user edits his personal information.

- The user clicks save

- User finishes his job and logs out.

Scenario 28

- Username and password are entered correctly by the user.

- User is directed at his home page.

- The user(human resources manager clicks human resources button

- The user clicks upload CV button

- The user uploads the cd and clicks save.

- User finishes his job and logs out.

Scenario 29

- Username and password are entered correctly by the user.

- User is directed at his home page.

- The user(human resources manager clicks human resources button

- The user searches for an employee

- The user chooses the employee he wants and clicks upload photo button

- User finishes his job and logs out.

Scenario 30

- Username and password are entered correctly by the user.

- User is directed at his home page.

- The user(human resources manager clicks human resources button

- The user clicks employees button

- The user clicks generate button to generate the list of all employees with their information

- User finishes his job and logs out.

Scenario 31

- Username and password are entered correctly by the user.

- User is directed at his home page.

- The user(Financier) clicks finance button

- The user clicks generate income statement

- The user clicks download button , to download income statement

- The user clicks print ,to print income statement

- User finishes his job and logs out

Scenario 32

- User clicks the login button.

- Username and password are entered correctly by the user.

- User is directed at his home page.

- User does what he has to do .

- User finishes his job and clicks the log out button to log out.

4.3 Use cases

Name	Personnel log in
Summary	The user enter username and Password and login to the system and opens his own page.
Actor	Personnel User
Description	1-User enter the username and pass . the program checks if the data are on the database or not. Indentifying the user status 2-If Data given are wrong Display message try again Else if the Data are correct the user gets access to the program page
Precondition	User wants to enter the program
Alternatives	If there is already log in than the program opens directly without asking for entering username and password

Post condition	*The User gets Access to the program depending on his user level*

Name	Edit Person data
Summary	The user edit person data
Actor	Admin User or Hotel user
Description	1-Admin log in and Edit person data information that has ocured a problem .
Precondition	Edit person data if a problem occur
Alternatives	If the information is correct than shows "Success" if there is some error than shows "Failed"
Post condition	The user Edit person data information and changes them.
Name	Register
Summary	The Admin register the new Personnel account to the database
Actor	Admin User
Description	Open Register form and Complete the given Data and register them to the system
Precondition	Admin Register the new Personnel to the program
Alternatives	If the user exist the program shows that the user is already registered

Post condition	The Admin has registered the new personnel to the program

Name	Add room
Summary	The hotel user or Admin add a new room to for the hotel Database
Actor	Admin or Hotel personnel User
Description	User creates a new room to the list which it has been remodeled or repaired . and add a Green color to it that shows that it is Free to

	use
Precondition	*User add a room to the list (database).*
Alternatives	*If the the same number of the room is entered twice than shows "Error this room already exist"*
Post condition	*The User has add a room that is ready to be used*

Name	*Delete room*
Summary	*The hotel user or Admin delete a room from hotel database .*
Actor	*Admin or Hotel personnel User*
Description	*User delete a room to the list that is not more offered by Star hotel, the user may delete that room.*
Precondition	*User remove a room to the list (database).*
Alternatives	*If the room is still in use or have been paid than shows an table that comfirms your choise "Are you sure"*
Post condition	*The User has remove a room that is out of order*

Name	*Room Status Edit*
Summary	*The hotel user or Admin enter the room status if it is free, busy or out of order*
Actor	*Admin or Hotel personnel User*

Description	The User select one color which is specific to the status of the Room . If the user select red than the room is busy if the user select green the room is free and if black means out of order
Precondition	User select the room status
Alternatives	If the room is already within the booked time than shows one more configuration that ask the user "Are you sure you want to change the status"
Post condition	The User has declared to the client and other users the status of each room

Name	Register a Product to the Hotel
Summary	A product is saved to inventory
Actor	Admin or manager user
Description	A new Product is registered to the hotel inventory 1-If the Product is a room accessory is registered to the room inventory
Precondition	Admin or manager user enter the product to the Inventory
Alternatives	If the product exist the program shows that the product is already registered or if there is not enough space show a warning message "no space"

Post condition	Admin or manager user has registered the product to the Inventory

Name	Register a Product to the Bar/Restaurant
Summary	A product is saved to inventory
Actor	Admin or manager user
Description	A new Product is registered to the hotel inventory 2-If the Product is a Bar/Restaurant product or item is registered to the Bar/Restaurant inventory 3-If there is any other Product like chair it is registered to Hotel Inventory
Precondition	Admin or manager user enter the product to the Inventory
Alternatives	If the product exist the program shows that the product is already registered or if there is not enough space show a warning message "no space"
Post condition	Admin or manager user has registered the product to the Inventory

Name	Register a item to Hotel inventory
Summary	A product is saved to inventory
Actor	Admin or manager user

Description	A new Product is registered to the hotel inventory -If there is any other Product like chair it is registered to Hotel Inventory
Precondition	Admin or manager user enter the product to the Inventory
Alternatives	If the product exist the program shows that the product is already registered or if there is not enough space show a warning message "no space"
Post condition	Admin or manager user has registered the product to the Inventory

Name	Edit a item From inventory
Summary	A product is edit and change from inventory
Actor	Admin or manager user
Description	The user may edit description of product and make changes to it number or form. e.i from linguine in spaghetti .
Precondition	Admin or manager user Edit the product to the Inventory
Alternatives	When the change is made it shows a confirmation table "Are you sure you want to change it "
Post condition	Admin or manager user edit the product information and changes has been made to

	Inventory

Name	Search by Id
Summary	The Admin or Manager search by ID
Actor	The Admin or Manager user
Description	The user search number ID and he/she will see all the information about that person.(more functional at hotel)
Precondition	Admin search the information of the user by Id
Alternatives	If the Given Id dosent exist than shows a table error that shows"not found .
Post condition	Admin or Manager search by ID and recives the information.

Name	Search by Name
Summary	The Admin or Manager search by Name
Actor	The Admin or Manager user
Description	The user search for a person by name and surname .The result will show all information about that person .
Precondition	Admin search the information of the user by Name
Alternatives	If the Given Name dosent exist than shows a table error that shows"not found .
Post condition	Admin or Manager search by Name and recives the information.

Name	Search by date
Summary	The Admin or Manager search by date
Actor	The Admin or Manager user
Description	The user search for persons by particular date. By clicking one date the system generates a list of clients that attended the restaurant in that date.
Precondition	Admin search the information of the user by Date
Alternatives	If the Given Date dosent exist at the database than shows a table error that shows"not found .
Post condition	Admin or Manager search by date and recives the information.

Name	Generate report 1st
Summary	The system generate a report
Actor	The Admin or Manager user
Description	The system when accessed and asked by user generates a report with all the clients, groped by their Date.
Precondition	The system generate a report to the user grouped by date.
Alternatives	If an error ocures shows that something went wrong.
Post condition	Admin or Manager recives the report

Name	Generate report 2st
Summary	The system generate a report
Actor	The Admin or Manager user
Description	The system when accessed and asked by user generates a report with all the clients ,groped by their product.
Precondition	The system generate a report to the user grouped by Product.
Alternatives	If an error ocures shows that something went wrong.
Post condition	Admin or Manager recives the report

Name	Generate report 3st
Summary	The system generate a report
Actor	The Admin or Manager user
Description	The system generates a report with all the clients that has taken rooms the specific day that the user wants to access.
Precondition	The system generate a report to the user with all the names by a given date.
Alternatives	If an error ocures shows that something went wrong.
Post condition	Admin or Manager recives the report with the client names.

Name	Generate report 4st
Summary	The system generate a report
Actor	The Admin or Manager user
Description	The system also generates a report with all the clients that has used double rooms.
Precondition	The system generate a report to the user with all the names that use double room.
Alternatives	If an error ocures shows that something went wrong.
Post condition	Admin or Manager recives the report with the client names.

Name	Print
Summary	By presing print the information is printed.
Actor	Manager
Description	The user may download and print it whenever the boss wants it.
Precondition	When the print button is presed than the system will conect with printing machine and print it or if you need to download it there is a button that give you that option .
Alternatives	If an error ocures for printing or downloading shows that something went wrong.
Post condition	Owner recives the Information He/She needs

Name	Enter the salaries cost
Summary	Manager enters the salaries cost.
Actor	Manager
Description	The financier enters to the finance model the total monthly salaries cost,which correspond to the total value of the salaries of the employess.
Precondition	Manager enter the salaries cost to the system corresponding to employess.
Alternatives	If an error ocures shows that something went wrong.
Post condition	Manager enters the salaries cost .

Name	Enter the food cost
Summary	Manager enters the food cost.
Actor	Manager
Description	The financier enter to the finance model the total monthly cost for food for employees.
Precondition	Manager enter the food cost to the system corresponding to employess.
Alternatives	If an error ocures shows that something went wrong.
Post condition	Manager enters the food cost .

Name	Enter light and water cost
Summary	Manager enters the food cost.
Actor	Manager
Description	The financier enter to the finance model the total monthly cost for water and light at both hotel and restaurant .
Precondition	Manager enter the light and water to the system.
Alternatives	If an error ocures shows that something went wrong.
Post condition	Manager enters light and water cost .

Name	Enter the transportation cost
Summary	Manager the transportation cost
Actor	Manager
Description	The financier enter to the finance model the total monthly cost for transportation of the employees.
Precondition	Manager enter the transportation cost to the system.
Alternatives	If an error ocures shows that something went wrong.
Post condition	Manager enters transportation cost .

Name	Enter the utilities cost
Summary	Manager the utilities cost
Actor	Manager
Description	The financier enter to the finance model the total monthly utilities cost(taxes)
Precondition	Manager enter the utilities cost to the system.
Alternatives	If an error ocures shows that something went wrong.
Post condition	Manager enters utilities cost .

Name	Other cost
Summary	Manager the other cost
Actor	Manager
Description	The financier enter to the finance model all other cost that exist but are not included in previous cost.
Precondition	Manager enter the other cost to the system.
Alternatives	If an error ocures shows that something went wrong.
Post condition	Manager enters other cost .

Name	Generate the income statement
Summary	Manager generates the income statement
Actor	Manager
Description	A report that includes all the cost and show to the financier the income statement.

Precondition	*Manager enter all the cost to the system.*
Alternatives	*If an error ocures shows that something went wrong.*
Post condition	*Manager enter the income statement .*

Name	*Print the income statement*
Summary	*Manager generates the income statement*
Actor	*Manager*
Description	*After generating the income statement the financier wants to download it and then print. After generating the income statement the financier wants to download it and then print.*
Precondition	*Manager generate the income statement and prints it.*
Alternatives	*If an error ocures shows that something went wrong.*
Post condition	*Manager has printed the income statement .*

Name	Generate the employees report
Summary	Manager generates the employees report
Actor	Manager and Admin
Description	A report that includes all the employees by name surname and their description.
Precondition	Manager and Admin user recives a report for the employees.
Alternatives	If an error ocures shows that something went wrong.
Post condition	THe report is shown with all the emplyees information .

Name	Add employee
Summary	Manager Add an Employee to the system.
Actor	Manager and Admin
Description	The human resoruses manager (boss or someone else)adds a new employee with all the information.
Precondition	Manager and Admin user add a new employee.
Alternatives	If the employee that is added already exist or the registration is not compleated than the system will show a warning table "Complete the data or Try Again"
Post condition	Employee will be added to the system .

Name	Delete employee
Summary	Manager Delete an Employee to the system.
Actor	Manager and Admin
Description	The human resources manager delete one employee who left the work or rest from work.
Precondition	Manager and Admin user delete employee.
Alternatives	When the delete form is about to finish than the system shows "Are you sure"
Post condition	Employee will be deleted from the system .

Name	Edit employees data
Summary	Manager Edit an Employee data to the system.
Actor	Manager and Admin
Description	Hrm may edit the information that each of the employees has at the system.
Precondition	Manager and Admin user edit employee.
Alternatives	If something went wrong print "try again"
Post condition	Employee will be edit to the system .

Name	Booking
Summary	Booking to the hotel
Actor	Client
Description	Client complete a Register Form were he puts his personal Information which is being keep always secured and not accessible. 1-Client check if there is any free room to the hotel and if there is green then it display a Register Form were the client will put his personal information and select the time he wants to spend at the hotel
Precondition	Client user Request to book a room at the hotel
Alternatives	If the Register is not completed or doesn't complete the requirement than the program shows "Registration Failed"
Post condition	Client is Registered to the Hotel

Name	Ordering
Summary	Ordering the food or Drink
Actor	Client , Bar/Restaurant User
Description	Client open the Order page and Request the order by completing the Order Form were is what he wants which is in the menu and the Table he/she is sitting

	Waiter Receives the order and makes sends it to the client
Precondition	Client Order ,waiter receives the order and makes sure it reaches the client
Alternatives	If there are a lot of orders the program will print "Please be patient the order is on the way "
Post condition	Client Order is received and delivered