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party planning

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**Abstract**

This software is for all to use and for one company

making this software will make everything easy when

checking for a place for a party or singer.

This software can gain much by making people get used to it

I can easily say this software is needed and have many features

This software is a complete system integrated with the reservation and processing of all requirements for weddings and parties, and this system is based on the system of everything from galleries, artists, artists, cafeterias, food, platforms, displays, decorating and designing invitations, photographers, recordings and After the presentation of all the supplies, the customers start to choose the items they wish according to their requests and their special wishes. Then the reservation process begins and the reservation is made after reviewing the schedules of the reservations and the spaces attached to the wedding.

This software is a fully integrated software for pharmacies to organize their work

Take out income and profit and print sales invoices

The system has information about the drugs such as code for each item, price, date of completion ... Etc.

It also has Records of basic data for pharmaceutical suppliers and Data of quantities received from suppliers

The pharmacist can use the software to insert, delete, and print invoices

Chapter 1

Introduction

This software can be used by anyone whom interested in party planning.

you can easily check your party place, time, singer, food, clothes, etc.

The technology exists to make people live easier and more comfortable, so, with this software planning parties is much easier even if it's a public party or Official or any party the user wants to plan the software can plan for the user.

why you need this software?

having software like that saves money and time

when it depends on a server then its 24 hours services

that's a big goal for party planning itself.

1.1 - Introduction

First and foremost, we need to understand what is a party system and what is the benefit of it?? We, as a team, will start to create a party organizing system that aims to integrate everything in the world of concerts and integrate it into a complete platform to become one of the best systems for organizing events and management in a distinctive way. And evaluations of artists and others. We found that the first thing we have to do is to organize and engineer the system based on the recommendations of users and artists alike to make this system mutually beneficial. After studying the recommendations, we combine the project objectives we have integrated into the system. And booking concerts, concerts and all the equipment of the ceremony and the organization of cadres and crews for a full ceremony through this site will be able to any user simply reservation of any concert by specifying the date and artist wanted by the cadres we offer him the recommendations and the most appropriate to present all the requirements at the existing prices and the site will be developed later to communicate Directly with artists and more ... All this will be a single site system and one platform linking everything necessary to a good vision of a more wonderful and more comfortable future.

1.2 - Project Scope

The user starts using the software by logging in and choose your party kind then the place, food, clothes, and much more.

The system is able to plan your party with a click.

owner of the system will do nothing but leading the party to be 100% good.

The owner of the party only has to enjoy his party.

The system will check everything and the company will manage the party for you.

1.3 - Problem Specification

you don't have to wait for the party planners to accept your party or even wait for them to answer your call or dealing with late dates or even get worried about the party place or broken speakers our system can manage everything for you from the bottom to the top.

With this system, there's no worry of secure even.

1.4 - Goals and Objectives

speed up the process of checking time for a party for both the user and the company.

make everything perfect for the user in every way.

what most important is getting users trust.

it simply easy to use, even its a unique system to develop and has many functions to add..

1.5 - Motivation

Your orders and wishes for any party you can find it in this unique system, it helps both sides user and company.

The user can see the rating of any restaurant, singer, "you party place", .. etc.

it also allows credit card payment and cash payment " only for trust users who are selected by the owners".

1.6 - Development system technical Requirement

1. ASP.NET Framework

* Dev express ver 15.0
* Ajax Toolkit
* HTML5
* CSS3
* JavaScript
* boot strap

1. MS-SQL server

1.7 - Project Plan and Schedule

This project starts at the mid of September, 2017 and should be completed by the beginning of May, 2014. In addition, most of the project processes are run concurrently  
to achieve maximum optimization and quality

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Task | Start date | Finish date | Status |
| 1. | analysis  1.1 SRS Analysis  1.2SWOT Analysis  1.3Project Planning  1.4 Interface designing | 19 sept,2017 | 26.sept,2017 | completed |
| 2. | gathering information  2.1 Customers Surveys  2.2 Market study |  |  |  |
| 3. | selecting the right media  3.1 determine the platform  3.2 OS environment  3.3 needed tools and programs |  |  |  |
| 4. | Writing  4.1 Documentation |  |  |  |
| 5. | implementation 5.1 building DB 5.2 constructing modules 5.3 modules integration 5.4 QA testing |  |  |  |
| 6. | Distribute the final product 6.1 Feedback  6.2 Maintain | 1 |  |  |

1.8 - Outline of the Project

The parties planning project consists of six Chapters: Chapter One is an introduction that talks about project scope, system requirements, goals and project plan. Chapter Two discuss literature and methodology, explain a difference between current systems and proposed system, and discuss feasibility study. Chapter Three is a stage that discusses system analysis, system design and requirements such as requirement collection, requirement study, and requirement structure. Chapter Four is a stage that focuses on system UML design. Chapter Five presents the conclusion and future work of the system.

**Chap****ter Two**

**Literature and Methodology**

**INTRODUCTION**

* The system of party management as we said earlier is a system to meet all party requirements in a fast and secure and here comes the importance of the system by combining all the requirements of the customer and the trust of the customer's hand to make it use this application.

**Current systems:**

Until now anybody wants to make a party has to search for the best person and

Ask many people to get their numbers and they even not very good in this

And you will face many problems while planning the party

Advantage of the current system:

1- No need for internet connection only need a phone

Disadvantages of the current system:

1-the person need to keep calling the planers until he finds the best one or the one he likes

2-getting late because the planers haven’t control the planning right

3-has no enough features like, security and other things

## 

## 2.3 - Proposed System

the proposed system is trying to make party planning easy for others and let every client feels safe when dealing with the system. Fix all the old issues.

Advantages of the proposed System:

1-no need to keep calling and searching for planers

2-no need to get worried of any lateness or not well work

3-provides everything the person needs for planning a party

4- provide the client with all the difficult reservations and give him a preliminary view of the product he will use.

Disadvantages of the proposed system:

1. The proposed system is a web server software so it needs internet connection to have the best planning

2- need time to be applied to the system and the process of delivering the product to the customer will be difficult.

## 

## 2.4 - Feasibility Study

* The cost of producing the site will go through three stages. First, the programming stage, which will try or be at the lowest cost and the largest quality and the least time period. This depends on the status of programmers in terms of professionalism and number of supervisors who will be under the project management. The second stage is the equipment used for the site industry. And covering the cost of delivery of the product through special transport to the market.

Economic:

The cost that the customer should pay to have the system is 3800$ for 2 years as the following:-

|  |  |
| --- | --- |
| Static costs | Periodic costs |
| Software cost 1000 | Human salaries 600 |
| Hardware cost 2000 | Maintenance 200 |

Cost/profit analysis:

The system needs approximately 6 months, the cost of this period as the following:

|  |  |
| --- | --- |
| 8 Employees | 40000 |
| Internet | 300 |
| Utilities | 500 |
| Total | 40800 |

The system price is 2000$, the company needs 30 customers to cover the production costs.

System Benefits:

1. Provides profit and loss reports (500$)

2. Provides top used companies report (500$)

3. Provides different paying methods (cash, visa) (100$)

4. Provides offers (500$)

5. Increases customer satisfaction. (2000$)

## 2.5 - Methodology (Incremental)

* The development methodology that we follow in this system is Incremental development in the project because it is easy to go back to the previous stage. We do not need to wait long to see the client's reaction to the site. It is easy to modify any error or request for the project.

we choose this methodology because we want to develop a full system that recover all the requirements people need for planning a party and also, we can add and edit any requirement before delivering the full system

**Chapter there**

Requirement Discovery

Engineering requirements cover a variety of different activities that focus on the discovery, classification and organization, prioritization and negotiation and specification.

The primary goal of the discovery process is to elicit and collect information needed for the PP system by the stakeholders.

This can be a challenge to some extent, especially when a stakeholder is geographically distributed and is physically unable to gather together for face-to-face meetings.

Moreover, different groups of stakeholders differing views and objectives of the system, which can create conflicts and contradictions.

For the PP system, it was necessary to use the four most important ways to collect important information and appropriate for the system. Which is next:

1. Interviews:

One of the default styles to collect information for most systems, Where we make a field visit to random people, direction questions when you need additional information, indirect questions to gain better understanding and remained for two hours until it was taking all the required requirements of the system, then we summarized it.

2. Other Systems:

It is one of the sources that using to collect requirements. We made a search on the Internet for a range of systems similar to the PP system, and take the appropriate requirements for the system. In order to benefit from the ideas that have been used and access to the functions used.

3. Observation:

However, the conduct interviews that will last for long periods, but each system and work have hypotheses assumes the stakeholders that the director of sales and marketing knows implicitly, but the reality is not familiar with them. Therefore, it is necessary to live with the work environment and seeing all the mechanics of the institution work.

4. Document:

It is one of the ways through it we can obtain a large number of requirements, so that each company has group of their own files. After read and analyzed it we obtain the appropriate requirements for PP system.

REQUIREMENTS

The following section presents functional and nonfunctional requirements

Identified for the PP system. Functional requirements are listed first, according to their relationship to the overall system, accountant, following companies, user, planners, and admin. The non-functional requirements that pertain to (Efficiency, usability, Reliability, Maintainability, Security). The functional requirements have been specified using a natural language description.

1- Functional Requirements:

This subsection presents the identified functional requirements for the PP system. Initially, general requirements that pertain to the whole system are given. Where possible, subsequent requirements have been demarcated based on their relevance to the users of the system, that is:

* Party planners: Responsible for planning the user order of party
* till the party ends
* Following companies: Responsible for taking care of the costumers and present their sales and what they can present for them.
* Accountant: Responsible for preparing the parties Bill.
* user: putting his order and enjoy.
* Admin: Responsible for everything in the system. Admin can define or delete items, categories.

Party planners:

Table below presents the identified functional waiter requirements that directly relate to the part planner of the system.

|  |  |  |
| --- | --- | --- |
| Requirement | | Description |
| p1 | | planer can be able to log into a server using his\her assigned username and password. |
| p2 | | planer can be able to log out. |
| p3 | | planer can chick in a party. |
| p4 | Planer can delete an order by posting a report for the manger. | |
| p5 | | planer can add things to order. |
| p6 | | planer can delete things from order. |
| p7 | | planer can edit things in order. |
| p8 | | planer can add special notes to the chick in. |
| p9 | | planer will submit order. |
| p10 | | planer can navigate among orders . |
| p11 | | planer will receive notification from the service about order’s state. |
| p12 | | planner can add the person to his\her order. |
| p13 | | planner can see all the current parties in the system. |

Accountant:

Table below presents the identified functional cashier requirements that directly relate to the Accountant of the system.

|  |  |
| --- | --- |
| Requirement | Description |
| A1 | . accountant can accept an order placed by a customer(online) |
| A2 | accountant can reject an order placed by a customer(online) |
| A3 | accountant will close order. |
| A4 | accountant will print bill. |
| A5 | accountant can make discount. |
| A6 | accountant can review old order. |
| A7 | accountant can be able to open cash drawer. |

Following companies:

Table below presents the identified functional chef requirements that directly relate to the following companies of the system.

|  |  |
| --- | --- |
| Requirement | Description |
| fc1 | fc can accept order. |
| fc2 | fc can reject order. |
| fc3 | fc will notify part planner with order’s state. |
| fc4 | fc will send bills to the system manger. |

Admin

Table below presents the identified functional admin requirements that directly relate to the admin of the system.

|  |  |
| --- | --- |
| Requirement | Description |
| Ad1 | admin can define new item\category. |
| Ad2 | admin can delete item\category. |
| Ad3 | admin can create or delete employee account. |
| Ad4 | admin can create or delete user account. |
| Ad5 | admin can define or delete order. |
| Ad6 | see reports |

Customer

Table below presents the identified functional customer requirements that directly relate to the customer of the system.

|  |  |
| --- | --- |
| Requirement | Description |
| Cr1 | A special page provides a customer with all customer system functionality. |
| Cr2 | Customer must sign up in the system |
| Cr3 | Customer must login to system. |
| Cr4 | Customer can see the system review |
| Cr5 | Customer can submit a reserve |
| Cr6 | Customer can cancel a reserve |
| Cr7 | Customer can add item his/her reserve |
| Cr8 | Customer can edit item in his/her reserve |
| Cr9 | Customer can delete item from his/her reserve |
| Cr10 | Customer can add notes to his/her orders |
| Cr11 | Customer will submit the reserve |
| Cr12 | Customer will receive notification if the reserve accepted or rejected |
| Cr13 | Customer can see bill. |
| Cr14 | Customer can pay by visa. |

2- Non-Functional Requirements:

This subsection presents the identified non-functional requirements for PP System. The subcategories of non-functional requirements given are (Usability, Efficiency, Reliability, Maintainability and Security)

### Usability:

|  |  |
| --- | --- |
| Requirement | Description |
| U01 | The system is easy to learn. |
| U02 | The interface designed to be user friendly. |
| U03 | User can deal with orders from all sides very easy. |
| U04 | User can be able to log into a tablet using his\her assigned username and password in very easy and fast way |
| U05 | rapid move inside the system |
| U06 | The system contains alerting messages to help the user |

### Efficiency and Performance:

|  |  |
| --- | --- |
| Description | Requirement |
| The system shall be fast to respond orders from more than one user | E01 |
| The system should handle the load without degradation of service. | E02 |
| The system can handle with maximum number of users, terminals, transaction without performance degradation (Capacity). | E03 |
| The system shall be capable of supporting an arbitrary number of active  orders, that is, no orders shall be lost under any circumstances | E04 |
| The system shall be capable of supporting an arbitrary number of active  customer payments, that is, no payments shall be lost under any  Circumstances. | E05 |
| The system shall be capable of supporting an arbitrary number of computers, tablets and displays, that is, it shall provide no limit on how many devices are in the system | E06 |

Reliability:

|  |  |
| --- | --- |
| Description | Requirement |
| The system able to behave consistently in a user-acceptable manner when operating within the environment for which it was intended. | R01 |
| The PP system consistently performs the specified functions without failure | R02 |
| The PP system must be 100% operational 95.9% of the calendar year during its first year of operation | R03 |

### 

### Security:

|  |  |
| --- | --- |
| Requirement | Description |
| S01 | Information is saved safely and no one has the authority to edit them. |
| S02 | PP system shall require a user to log in using a username and password. |
| S02 | A user shall only be able to log into one tablet at any given instance of time. |
| S03 | Accountant and admin only can be able to open cash drawer. |
| S04 | The system shall provide five levels of access:   * Admin level for unrestricted access to system functionality * Party planer level for access to planners’ functionality * accountant level for access to (accounting) functionality * Customer level for access to customer functionality * Following companies level for access to companies’ functionality |

### 

### Maintainability:

|  |  |
| --- | --- |
| Requirement | Description |
| M1 | we can add new features in easy way. |
| M2 | it easy for others to maintain and change the software. |
| M3 | it can support new environments operating systems or tools. |
| M4 | it easy to detect and diagnose the problem. |

Modules

Our point of sale system is divided into three modules:

* reserve module:

The reserve module provides the order requirements for the different actors in the system.

In specific, for each actor as the following:

1. party planner

reserves management. This includes add, edit, and delete items from the customer’s order. Then select among the open orders. It also contains cancelling orders that have not been prepared yet. Finally, sends the orders to the following companies, and save orders.

2. accountant

Bill out. This computes the total amount to be paid by the customer before the party start. Once the items have been paid for, the payment is considered complete and is stored in the database, and open cash drawer. Therefore, closing the order and printing the bill.

3. following companies

Order organization. This allows the company to accept or reject the customer’s order and see the orders to be prepared respectively.

4. Admin

Define. This allows the admin to add\delete employee or user account.it also allows him to define\delete new items and categories.

* Reports module:

The second module aims to add secondary requirements for the first set of requirements to the different actors in the restaurant. As the following:

1. party planner

Order management. This contains add special notes to the order, change the party place if the customer wants. The planner will receive notification from the server about the order state instead of going number of times to the manger. Moreover, the planner can be able to see all the current orders in the system.

2. accountant

Bill out. This set will allow the cashier to reserve an order, make discounts, divide the bill among customers, and review old orders.

3. following companies:

Order organization. This will allow the company to send notifications to the planner about the order state.

4. Admin

Reports availability. This will provide the admin with different type of reports including profit, loss, top sold items, customer analysis.

* Portal module:

This module provides the last set of requirements to the different actors in the system. As the following:

1. accountant

Open reservation and check it out.

2. Customer

Order online. This allows the customer to login to the customer page, this page provides the customer functionalities like open new order and add items to it. Also, the customer can reserve a date and submit the order. The customer will receive notification if the order accepted or rejected.

Functional requirement description

Table below presents the open order use case description to show the interaction between a planner/accountant and a system when opening order in system.

|  |  |
| --- | --- |
| Use Case Name | Reserve party |
| Primary Actor | planner/accountant/Customer |
| Goal in Context | Open order and fill it |
| Preconditions | The user is already logged into system |
| Trigger | The customer wants to reserve a date and other benefits |
| Scenario | *Reserve party:*   1. The user selects ‘reserve a party’ button from website 2. The system displays a representation of requirements. 3. The user selects available date that the customer need 4. The system displays multi steps for the user and the user start filling it step by step. 5. The user navigates among items by selecting a category then the system displays the related item   6.Then the item added to the order with all details (added to the items grid with its price and one quantity amount).   1. Then the system will auto be counting the total price. |
| Exceptions | no exception |

Table below presents the review orders use case description to show the interaction between accountant and a system when reviewing orders in system.

|  |  |
| --- | --- |
| Use Case Name | Review Orders |
| Primary Actor | accountant |
| Goal in Context | revise specific order with its details |
| Preconditions | There is must be saved orders |
| Trigger | when the accountant searches for an order to revise it |
| Exceptions | the required reservation is not available |

Table below presents the add notes use case description to show the interaction between a planer/customer and a system when adding notes in system.

|  |  |
| --- | --- |
| Use Case Name | Update order |
| Primary Actor | planner /Customer |
| Goal in Context | Update the customer’s order. (add, edit, delete items, and adds notes) |
| Preconditions | The user is already opened order and submitted it. |
| Trigger | The customer wants to update the submitted order and add special notes. |
| Exceptions | The Order is closed. |

Table below presents the select order use case description to show the interaction between a planner/accountant and the system when selecting order in system.

|  |  |
| --- | --- |
| Use Case Name | Accept order |
| Primary Actor | accountant |
| Goal in Context | Accepts an order that has been submitted by a customer. |
| Preconditions | A customer has submitted an order |
| Trigger | The Cashier want to accept order |
| Scenario | 1. The accountant gets notified about new reservation. 2. The system displays the reservation order. 3. The accountant selects a pending order 4. confirms the order and selects ‘Accept’ then sends the customer’s order to selected planner. 5. The customer receives notifications that the order is accepted and wait till the planner contact him |
| Exceptions | the customer has a black note in the company history so, the accountant rejects the order by selecting 'Reject' |

Table below presents the define item use case description to show the interaction between admin and the system when defining item in system.

|  |  |
| --- | --- |
| Use Case Name | Define item |
| Primary Actor | Admin |
| Goal in Context | Add new company, picture and etc.… |
| Preconditions | logged in as Admin |
| Trigger | Access define items page and enter item details |
| Exceptions | logged in as accountant/planner or ignore definition of some basic information |

Table below presents the close order use case description to show the interaction between accountant and a system when closing order in system.

|  |  |
| --- | --- |
| Use Case Name | Close Order |
| Primary Actor | accountant |
| Goal in Context | Close order and finalize payment by cash or visa card |
| Preconditions | planner/accountant select the order and it must contain items |
| Trigger | accountant will close order when the party ends |
| Scenario | *Cash payment:*   1. The user visits the accountant to finish his/her payments 2. the accountant opens the customer order. 3. Then the system displays a representation (form) of each payment way (by cash or visa) 4. Then the accountant chooses the cash way by click on its icon 5. The system opens cash drawer. 6. The user enters the amount taken from customer then system automatically calculate (debit, credit). 7. if cashier is a credit return the remainder to customer then put money and close cash drawer. 8. The accountant closes the order and it will be submitted in the data base |
| Exceptions | There is no order opened. |

Table below presents the view report use case description to show the interaction between a admin and a system when viewing report in system.

|  |  |
| --- | --- |
| Use Case Name | View Report |
| Primary Actor | Admin |
| Goal in Context | provide the admin with different types of reports as needed |
| Preconditions | logged in as Admin |
| Trigger | when the admin wants to revise or review reports |
| Exceptions | logged in as planner/accountant. |

Table below presents the split bill use case description to show the interaction between a cashier and a tablet when splitting bill in system.

|  |  |
| --- | --- |
| Use Case Name | Split bill |
| Primary Actor | Cashier |
| Goal in Context | Split bills between a number of customers |
| Preconditions | The order selected |
| Trigger | The accountant chooses to split |
| Scenario | *Split by items:*   1. The accountant chooses ‘Print bill’ button 2. The system displays form that enable accountant to select mode (Full mode or Split mode) 3. The accountant selects split mode that include two ways (by items or price), then choose ‘by items’ mode 4. The system allows accountant to select the items that chosen by the customer 5. The accountant chooses the items and confirm to the print 6. The printer prints a bill with these items and its total price. |
| Exceptions | There is no items place in order yet |

Table below presents the following companies visit use case description to show the interaction between a planer/customer and the system when the customer wants to add something to his party.

|  |  |
| --- | --- |
| Use Case Name | Order a benefit |
| Primary Actor | Planer, following companies and customer |
| Goal in Context | Get the benefit the costumer wants. |
| Preconditions | The order selected |
| Trigger | The planner shows the customer what the company has |
| Scenario | *Order benefits:*   1. The company choose the order from the system 2. The system displays form that enable the company to select what to add. 3. The company adds special note for what the customer wants. 4. The company determine the price of the benefit added. 5. The company submit the order and start working for the customer order. |
| Exceptions | The company can’t prepare the user orders. |

**REQUIREMENT VALIDATION :**

For this part of the documentation, it’s important to verify and validate all the specification of the requirement above, to make sure that we are building the system right and it matches the customer needs, and also to make sure its testable to view the performance of the system on both functional an non-functional requirements.

first we built a functionality to test and verify every requirement in the system, secondly, the system is reviewed by the targeted customers to insure that the system is matches what is expected, and the requirement is running according to the discovery process.

|  |  |
| --- | --- |
| student | Work done |
| Ahmad al sa’di | Proposed system, introduction, project scope, Feasibility Study |
| Bara hamayel | PR problem Specification 5  Goals and Objectives  Current system  Motivation |
| Yazan ayman | rest of it |