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WEddings, parties, everything

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Q1: Trigger and Benefit

# Trigger

Whenever we see the world around us, we see a lot of events i.e. parties, meetings, graduations, birthdays, anniversaries around us. There has always been a huge potential in the event organization industry. Likewise, there are many service industries related to the same industry. One needs a lot of services while planning and organizing any kind of events. Catering is one of the most sensitive and important service that one may need while organizing the event.

Finding the right kind of catering services according to one’s preferred choices can be a quite hassle. The other challenge that comes up while finding the caterers is to ensure them if there are reliable enough to provide the services on the time one needs.

Until now, there has been no proper system or application present that may provide the list of all suitable caterers at a specific location and according to one’s needs or preferences.

# Benefits

That is why for the first time we are introducing an online platform where one can easily look for suitable caterers and acquire their services according to their choice and preferences. The platform is names as “Weddings, Parties, & Everything”.

“Weddings, Parties, & Everything” is an online platform which presents its users with all the caterers present nearby the place of the happening of event and according to one’s desired cuisines and taste. Users are also able to choose the caterers based on their past ratings and reviews. Users will also be able to get quotes from multiple caterers at a single platform and will be able to choose any caterer they like. Users will also be to pay through the platform via PayPal.

So, by developing this platform a huge market can be captured by connecting the customers to their preferred caterers within no time and without any hassle.

Q2: Stakeholder

# Stakeholders

The stakeholders of the system are as following:

## Customers

Customers will be able to connect to their desired caterers within no time and can also interact with them within no time. Customers will also be able to review, rate and pay the caterers after the event has been ended through the platform.

## Caterers

Caterers will be able to present their services to their customers through the platform. Their rating, contact information and website address will also be displayed on the platform.

## WPE Management

The management of “Weddings, Parties, Everything” is also one of the key stakeholders in the development of the system. The management will be able to get and see various reports regarding the performance and operations of the system and the caterers. Management will be able to see other business report too.

Q3: Functional and Non-Functional Requirement

# Functional Requirements

The functional requirements are as following:

#### **FR01: Log In & Register**

|  |  |
| --- | --- |
| **Req. No.** | **Functional Requirements** |
| FR01-01 | The system shall enable users to fill the registration form and register himself/herself with the system. |
| FR01-02 | The system shall enable users to log in into the system using the credentials asked by the system. |

#### **FR02: Give Event Details**

|  |  |
| --- | --- |
| **Req. No.** | **Functional Requirements** |
| FR02-01 | The system shall enable users to give event details in the form specified by the system. |

#### **FR03: Search Caterers Nearby**

|  |  |
| --- | --- |
| **Req. No.** | **Functional Requirements** |
| FR03-01 | The system shall enable users to find the caterers nearby the location given by the user to the system. |

#### **FR04: Check Caterer’s Profile**

|  |  |
| --- | --- |
| **Req. No.** | **Functional Requirements** |
| FR04-01 | The system shall enable users to find and then view the profile of caterers providing services. |

#### **FR05: Buy and Use Credits**

|  |  |
| --- | --- |
| **Req. No.** | **Functional Requirements** |
| FR05-01 | The system shall enable users to buy new credits via PayPal for later use. |
| FR05-02 | The system shall enable users to use the bought credits to pay to caterers. |

#### **FR06: Enter Contact Email**

|  |  |
| --- | --- |
| **Req. No.** | **Functional Requirements** |
| FR06-01 | The system shall enable users to provide contact email to the system by which he/she can be later contacted. |

#### **FR07: Submit Job Request**

|  |  |
| --- | --- |
| **Req. No.** | **Functional Requirements** |
| FR07-01 | The system shall enable users to submit job requests into the system. |

#### **FR08: Rate/Review the Caterer**

|  |  |
| --- | --- |
| **Req. No.** | **Functional Requirements** |
| FR08-01 | The system shall enable users to rate and review the caterer after the event has been concluded. |

#### **FR09: Registration and Verification of Caterers**

|  |  |
| --- | --- |
| **Req. No.** | **Functional Requirements** |
| FR09-01 | The system shall enable caterers to register with the WPE system by providing the mandatory information. |
| FR09-02 | The system shall enable caterers to get verified by the WPE platform by providing mandatory information. |

#### **FR10: View all open jobs**

|  |  |
| --- | --- |
| **Req. No.** | **Functional Requirements** |
| FR10-01 | The system shall caterers to view all open jobs. |

#### **FR11: Give Quote For Open Jobs**

|  |  |
| --- | --- |
| **Req. No.** | **Functional Requirements** |
| FR11-01 | The system shall enable caterers to give quote for open jobs. |
| FR11-02 | The system shall enable caterers to apply for open jobs. |

#### **FR12: Receive Credits**

|  |  |
| --- | --- |
| **Req. No.** | **Functional Requirements** |
| FR12-01 | The system shall enable caterers to receive credits after the job has been completed via PayPal. |
| FR12-02 | The system shall enable caterers to store the credits in the wallet. |

#### **FR13: Pay the WPE System**

|  |  |
| --- | --- |
| **Req. No.** | **Functional Requirements** |
| FR13-01 | The system shall enable caterers to pay the WPE system. |

# Non Functional Requirements of Platform Users

The system should be able to have:

#### **NFR01: Execution**

|  |  |
| --- | --- |
| NFR01-01 | Average loading time for each page should be less than 1.5 seconds. |
| NFR01-02 | The time for each page request should be not be more than 5 seconds. |
| NFR01-03 | The Mean Time to Failure should not be greater than 1 minute at all times of performing of the operations in the last 24 hours. |
| NFR01-04 | Response time should not be greater than 3 seconds. |
| NFR01-05 | System must be able to run at the client’s machine having RAM of at least 3 GB. |
| NFR01-06 | Users of the website should be able to access the database simultaneously. |

#### **NFR02: Dependability**

|  |  |
| --- | --- |
| NFR02-01 | System must be able to provide users with the access whenever they log in into the system at any time. |
| NFR02-02 | System shall enable users to let only privileged ones to access the database and make changes to it. |
| NFR02-03 | System shall be enable to let no other user view the confidential information of any other user. |
| NFR02-04 | At the end of each user session, no data should be present on the local machine of the user. |

#### **NFR03: Maintenance of Defects**

|  |  |
| --- | --- |
| NFR03-01 | The defects after the release of the system must be no more than 3 bugs each month. |
| NFR03-02 | The bugs should be found, diagnosed, and fixed within the 24 hours after they were first reported. |

#### **NFR04: Documentation**

|  |  |
| --- | --- |
| NFR04-01 | Complete documentation shall be provided to the users to facilitate the users in every step while using the application. |
| NFR04-02 | The documentation of guidance shall be provided for each page/functionality of the system for the guidance of user. |
| NFR04-03 | The documentation of guidance shall be writer very clearly and without any difficult language to make it readable to every user and person. |

#### **NFR05: Disaster Recovery**

|  |  |
| --- | --- |
| NFR05-01 | In case of the system going down or out of order, the system shall be backup within the 6 hours of going out of order. |

#### **NFR06: Maintainability of the system**

|  |  |
| --- | --- |
| NFR06-01 | The system should be developed and designed in such a way that it becomes highly upgradable and easily maintainable. |

#### **NFR07: Reliability of the system**

|  |  |
| --- | --- |
| NFR07-01 | The system shall be highly reliable and maintainable. |
| NFR07-02 | The system shall have the font size and style that is easily readable and is easy to explore. |

Q4: User Goal and Event Decomposition Techniques

# Use Case Description

|  |  |
| --- | --- |
| **Use case ID: 001 Use case name: LOGIN & SIGNUP** | |
| **Priority High** | |
| **Actor**: Customer and caterer | |
| **Use Case Summary** | The function will allow customer and caterer to login and signup for the system. |
| **Pre-condition:** | The customer and caterer must open system |
| **Normal Course of Events** | **Alternate Path** |
| The use case starts when the user will open the system. |  |
| The customer and caterer will able to login with the help of sign in option and providing the email and password. | The customer and caterer will be able to sign up by entering name, email and password. |
| This use case ends. |  |
| **Post Conditions** |  |
| The customer and caterer will be able to use the system and its features |  |
| **Use Case Cross References** |  |
| **Includes** | Name, Email and Password |
| **Excludes** |  |
| **Use case ID: 002 Use case name: Give event detail** | |
| **Priority High** | |
| **Actor**: Customer | |
| **Use Case Summary** | The function will allow customer to add event detail. |
| **Pre-condition:** | The customer must open system. |
| **Normal Course of Events** | **Alternate Path** |
| The use case starts when the user will open the system. |  |
| The customer can add event detail such as event location, type, broad type, number of person and budget. |  |
| This use case ends. |  |
| **Post Conditions** |  |
| Event detail has been added successfully. |  |
| **Use Case Cross References** |  |
| **Includes** | Event location, type, broad type, number of person and budget. |
| **Excludes** |  |
| **Use case ID: 003 Use case name: Search caterer** | |
| **Priority High** | |
| **Actor**: Customer | |
| **Use Case Summary** | The function will allow customer to search caterer. |
| **Pre-condition:** | The customer must open system. |
| **Normal Course of Events** | **Alternate Path** |
| The use case starts when the user will open the system. |  |
| The customer click on search nearby caterer button. The system display the list of nearby caterers. | If there is no available caterer then a message will popup  that no caterer is available. |
| This use case ends. |  |
| **Post Conditions** |  |
| Customer can find nearby caterer easily. |  |
| **Use Case Cross References** |  |
| **Includes** |  |
| **Excludes** |  |
| **Use case ID: 004 Use case name: Check caterer profile** | |
| **Priority High** | |
| **Actor**: Customer | |
| **Use Case Summary** | The function will allow customer to check caterer profile. |
| **Pre-condition:** | The customer must open system. |
| **Normal Course of Events** | **Alternate Path** |
| The use case starts when the user will open the system. |  |
| The customer click on caterer profile to check his/her profile. The system displays the profile of caterer. |  |
| This use case ends. |  |
| **Post Conditions** |  |
| Customer can check caterer profile. |  |
| **Use Case Cross References** |  |
| **Includes** |  |
| **Excludes** |  |
| **Use case ID: 005 Use case name: Buy and use credit** | |
| **Priority High** | |
| **Actor**: caterer, customer | |
| **Use Case Summary** | The function will allow customer and caterer to buy and use credit |
| **Pre-condition:** | The customer, caterer must open system. |
| **Normal Course of Events** | **Alternate Path** |
| The use case starts when the user will open the system. |  |
| The customer and caterer click on buy credit button. |  |
| The customer and caterer purchase credit through PayPal. |  |
| This use case ends. |  |
| **Post Conditions** |  |
| Customer and caterer can easily buy and use credit. |  |
| **Use Case Cross References** | PayPal |
| **Includes** |  |
| **Use case ID: 006 Use case name: Enter contact email** | |
| **Priority medium** | |
| **Actor**: caterer, customer | |
| **Use Case Summary** | The function will allow customer and caterer to enter contact email |
| **Pre-condition:** | The customer, caterer must open system. |
| **Normal Course of Events** | **Alternate Path** |
| The use case starts when the user will open the system. |  |
| The customer and caterer enter contact email. |  |
| This use case ends. |  |
| **Post Conditions** |  |
| Customer and caterer can easily add contact email. |  |
| **Use Case Cross References** |  |
| **Includes** | Contact email |
| **Excludes** |  |
| **Use case ID: 007 Use case name: Submit job request** | |
| **Priority medium** | |
| **Actor**: customer | |
| **Use Case Summary** | The function will allow customer to submit job request |
| **Pre-condition:** | The customer must open system. |
| **Normal Course of Events** | **Alternate Path** |
| The use case starts when the user will open the system. |  |
| The customer send job request by adding event detail. |  |
| This use case ends. |  |
| **Post Conditions** |  |
| Customer can send job request successfully |  |
| **Use Case Cross References** |  |
| **Includes** |  |
| **Excludes** |  |
| **Use case ID: 008 Use case name: Review caterer** | |
| **Priority medium** | |
| **Actor**: customer | |
| **Use Case Summary** | The function will allow customer to review caterer |
| **Pre-condition:** | The customer must have hired caterer. |
| **Normal Course of Events** | **Alternate Path** |
| The use case starts when the user will open the system. |  |
| The customer add rating and comment and click on submit review. |  |
| This use case ends. |  |
| **Post Conditions** |  |
| Customer can add review successfully |  |
| **Use Case Cross References** |  |
| **Includes** |  |
| **Excludes** |  |
| **Use case ID: 009 Use case name: Verify caterer** | |
| **Priority medium** | |
| **Actor**: caterer | |
| **Use Case Summary** | The function will allow caterer to verify his/her profile |
| **Pre-condition:** | The caterer must login to system. |
| **Normal Course of Events** | **Alternate Path** |
| The use case starts when the user will open the system. |  |
| The caterer add document for profile verification and click on verify button. |  |
| This use case ends. |  |
| **Post Conditions** |  |
| Caterer can verify his/her profile easily |  |
| **Use Case Cross References** |  |
| **Includes** | Verification document |
| **Excludes** |  |
| **Use case ID: 010 Use case name: View open jobs** | |
| **Priority medium** | |
| **Actor**: caterer | |
| **Use Case Summary** | The function will allow caterer to view open jobs |
| **Pre-condition:** | The caterer must login to system. |
| **Normal Course of Events** | **Alternate Path** |
| The use case starts when the user will open the system. |  |
| The caterer view all open job from customer by click on “view open job” button |  |
| This use case ends. |  |
| **Post Conditions** |  |
| Caterer can view open job |  |
| **Use Case Cross References** |  |
| **Includes** |  |
| **Excludes** |  |
| **Use case ID: 011 Use case name: Give quote** | |
| **Priority medium** | |
| **Actor**: caterer | |
| **Use Case Summary** | The function will allow caterer to give quote. |
| **Pre-condition:** | The caterer must have open job proposal. |
| **Normal Course of Events** | **Alternate Path** |
| The use case starts when the user will open the system. |  |
| The caterer add cost and description related to customer job and click on send quote button. |  |
| This use case ends. |  |
| **Post Conditions** |  |
| Caterer can give quote. |  |
| **Use Case Cross References** |  |
| **Includes** | Cost, comment(description) related customer job |
| **Excludes** |  |
| **Use case ID: 012 Use case name: Receive credit** | |
| **Priority medium** | |
| **Actor**: caterer | |
| **Use Case Summary** | The function will allow caterer to receive credit. |
| **Pre-condition:** | The caterer must complete job. |
| **Normal Course of Events** | **Alternate Path** |
| The use case starts when the user will open the system. |  |
| The caterer receive credit from customer after job completion. |  |
| This use case ends. |  |
| **Post Conditions** |  |
| Caterer can receive credit. |  |
| **Use Case Cross References** | PayPal |
| **Includes** |  |
| **Excludes** |  |
| **Use case ID: 013 Use case name: Pay WPE System** | |
| **Priority medium** | |
| **Actor**: caterer | |
| **Use Case Summary** | The function will allow caterer to pay WPE System. |
| **Pre-condition:** | The caterer must have profile on WPE. |
| **Normal Course of Events** | **Alternate Path** |
| The use case starts when the user will open the system. |  |
| Caterer click on buy credit button so they can send quote to customer. |  |
| The caterer profile will able to view his/her credit an expiry date. |  |
| This use case ends. |  |
| **Post Conditions** |  |
| Caterer paid the WPE. |  |
| **Use Case Cross References** |  |
| **Includes** |  |
| **Excludes** |  |

Q5: Class Diagram

# Class Diagram

