

1.1 Problem Statement

Nowadays, almost everything is digitalized and traditional brick and mortar stores are replaced. For booking a venue for any event, the customer has to visit that place physically that is time and cost consuming. The facility of booking venues online all over Pakistan is not provided by the existing systems moreover payment facility and overview of the place is also not provided. They just provide contact no or address for the venue. It is difficult for the users to decide which venue to book and which venue is better for their event and what are the services provided by them. This system helps the user to save their time and cost and also helps them from scratch from booking to menu, sitting plans and payment. All venues do not provide all facilities some are just limited to particular events, this ease is provided. So that the user does not waste his time on checking useless details. This system is developed to provide ease in organizing events where customers and venue owners are digitally connected, to encourage the service providers to sell their service 24/7 and to facilitate them in both business and cost, and to help the users to save money and time. The system can also be viewed as software to promote the entire booking places.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Functional Requirements

Following are the systems functional requirements.

3.4.1 User Registration

User Registration Functional Requirement is described in Table 3.1 below.

Table 3.1 User Registration Functional Requirement

Identifier	01
Title	User registration
Requirement	The system must allow user to register himself. The user must be able to register by providing basic information to use the provided services whether for the tickets booking or for the venue booking.
Source	User
Rationale	To perform the booking its basic need of the system to have user information to use wherever required and to address properly.
Business Rule (if required)	Any restriction, policy, rule that the particular requirement must be fulfilled through its functional behavior All the fields are to be filled its mandatory to provide the details.
Dependencies	02, 03;8
Priority	High

3.4.2 User Login

User Login Functional Requirement is described in Table 3.2 below.

Table 3.2 User Registration Functional Requirement

Identifier	02
Title	User login
Requirement	The system must allow user to login using correct credentials. The user must be able to login to his profile and view his booking details whether for the tickets booking or for the venue booking.
Source	User

Rationale	To perform the booking its basic need of the system to have user logged in to identify user and address him properly.
Business Rule (if required)	Any restriction, policy, rule that the particular requirement must be fulfilled through its functional behavior
Dependencies	01
Priority	High

3.4.3 Guest User

Guest user Functional Requirement is described in Table 3.3 below.

Table 3.3 Guest user Functional Requirement

Identifier	03
Title	Guest User
Requirement	The system must allow user to visit the site without registration.
Source	User
Rationale	The user will be able to visit the site and get information from the site if he wants.
Business Rule (if required)	To visit a site there will be no restriction on the user. But for booking it is mandatory for the user to provide information and register himself.
Dependencies	None
Priority	High

3.4.4 Search Venue

Search Venue Functional Requirement is described in Table 3.4 below.

Table 3.4 Search Venue Functional Requirement

Identifier	04
Title	Search Venue
Requirement	The system must allow to search for venue. The user must be able to find venue either by name or by location.
Source	User
Rationale	To perform the booking its basic need of the user to perform search for the venue.

Business Rule (if required)	Any restriction, policy, rule that the particular requirement must be fulfilled through its functional behavior. This is mandatory for the booking of venue to search for it and to give details to the user.
Dependencies	02, 03
Priority	High

3.4.5 Filtered Result

Filtered Result Functional Requirement is described in Table 3.5 below.

Table 3.5 Filtered Results Functional Requirement

Identifier	05
Title	Filtered Results
Requirement	The system allow user to filter the search results based on user ratings and type of events he wants to conduct.
Source	User
Rationale	As the event is organized by the user himself, he has right to choose the menu as per his choice for the event.
Business Rule (if required)	The available types of events that user can conduct in specific venue will be provided by the venue owner during registration.
Dependencies	02
Priority	High

3.4.6 Availability

Availability Functional Requirement is described in Table 3.6 below.

Table 3.6 Availability Functional Requirement

Identifier	06
Title	Availability
Requirement	The system must be able to inform the user about the availability of the venue as per user needs so that user will be able to decide whether to book the venue or not.
Source	User
Rationale	In booking process; it is an important factor that the user should be

	able to see the availability of that venue. For that reason, visualization of availability is important factor.
Business Rule (if required)	The user must have to provide the date and time and venue name in order to check the availability and book that venue.
Dependencies	01
Priority	High

3.4.7 Venue Booking

Venue Booking Functional Requirement is described in Table 3.7 below.

Table 3.7 Booking Functional Requirement

Identifier	07
Title	Venue Booking
Requirement	The system must be able to book the venue which the user has selected without this there is no use of the developed project.
Source	Stakeholder
Rationale	User has provided and checked all the details and want to book that venue for his event. The system must allow user to do so. If he's not able to do so this would be a failure of the system.
Business Rule (if required)	The user must book the venue it is the main functionality that the system must provide.
Dependencies	None
Priority	High

3.4.8 Price details

Price details Functional Requirement is described in Table 3.8 below.

Table 3.8 Price Details Functional Requirement

Identifier	08
Title	Price details
Requirement	The system will be able to show the users price details per head and with the menu, and other services.
Source	User

Rationale	As the event is organized by the user himself, he has right to check the price details before booking is confirmed so that he can take decisions easily.
Business Rule (if required)	The price details will be provided by the venue Owner when registering.
Dependencies	04, 05, 06
Priority	High

3.4.9 Payment

Payment Functional Requirement is described in Table 3.9 below.

Table 3.9 Payment Functional Requirement

Identifier	09
Title	Payment
Requirement	The system will be able to provide Payment options to the user whether online or offline.
Source	User
Rationale	The user is provided with the option to pay for the services provided so that maximum ease is provided to users.
Business Rule (if required)	-
Dependencies	04, 05, 06, 07
Priority	High

3.4.10 Ticket Booking

Ticket Booking Functional Requirement is described in Table 3.10 below.

Table 3.10 Ticket Booking Functional Requirement

Identifier	10
Title	Ticket Booking
Requirement	The system must be able to book the tickets.

Source	Stakeholder
Rationale	The user wants to buy tickets for some events so for this ticket booking option is necessary.
Business Rule (if required)	The user may book the tickets of some events it is the main functionality that the system must provide.
Dependencies	None
Priority	High

3.4.11 Venue Owner Registration

Venue Owner Registration Functional Requirement is described in Table 3.11 below.

Table 3.11 Venue Owner Registration Functional Requirement

Identifier	11
Title	Venue Owner Registration
Requirement	The system must allow the Venue Owner to register themselves and their venues with details so that the user will be able to find and use their facilities.
Source	User
Rationale	A venue owner must register
Business Rule (if required)	App notification maybe disabled by default. The user must allow the app to send notifications to the user.
Dependencies	None
Priority	High

3.4.12 Venue Details

Venue Details Functional Requirement is described in Table 3.12 below.

Table 3.12 Venue Details Functional Requirement

Identifier	12
Title	Venue Details
Requirement	The system must allow the user to check details about the venue such as description, area details, terms and conditions for work.

Source	User
Rationale	The system provides the opportunity to the user to check the details of venue so that user will be satisfied with the selection of venue.
Business Rule (if required)	These details will be provided by the venue owner at the time of registration.
Dependencies	02
Priority	High

3.4.13 Manage Services and Account

Manage Services and Account Functional Requirement is described in Table 3.13 below. This option is available for all types of users.

Table 3.13 Manage Account Functional Requirement

Identifier	13
Title	Manage Services
Requirement	The system must allow the Users to manage the details provided earlier.
Source	User
Rationale	There may be a need to change the details provided by the venue owner and users at the time of registration.
Business Rule (if required)	The system provides the opportunity to owners and customers to manage and edit their accounts and change anything.
Dependencies	01, 12
Priority	High

3.4.14 Email Notification

Email Notification Functional Requirement is described in Table 3.14 below.

Table 3.14 Email Notification Functional Requirement

Identifier	14
Title	Email Notification

Requirement	The system must be able to send email to the user for booking confirmation.
Source	User
Rationale	It is important to notify the user about his booking confirmation and booking details through different means of communication.
Business Rule (if required)	None
Dependencies	04
Priority	High

3.4.15 Preview and Feedback

Preview and Feedback Functional Requirement is described in Table 3.15 below. User provides feedback and comments on the venue after availing the booking service.

Table 3.15 Preview and Feedback Functional Requirement

Identifier	15
Title	Preview and feedback
Requirement	The system must allow the user to provide feedback depending upon their bookings.
Source	User
Rationale	The user may have some problems or may be happy from his event organizer so he will be able to provide the feedback. Which will facilitate other users.
Business Rule (if required)	The system will be able to accept feedback from users so that other users will be facilitated.
Dependencies	None
Priority	High

3.4.16 Packages and Discounts

Packages and Discount Functional Requirement is described in Table 3.16 below. Packages and discounts are provided by venue owners and users can avail those discounts and special offers.

Table 3.16 Packages and Discounts Functional Requirement

Identifier	16
Title	Packages and Discounts
Requirement	The system must allow the Venue Owners to provide discounts and packages to the users.
Source	User
Rationale	The venue owner may want to provide discounts or some packages to the user who have used their services before or to their regular customers.
Business Rule (if required)	The system will be able to accept packages and discounts offers.
Dependencies	None
Priority	Medium