



PUCIT

**Punjab University College of Information
Technology**

Final Documentation

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Online Event Organizers



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STATEMENT OF SUBMISSION

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It is to certify that I have read the document meticulously and circumspectly. I am convinced that the resultant project does not contain any spelling, punctuation or grammatical mistakes as such. All in all I find this document well organized and I am in no doubt that its objectives have been successfully met.

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1- Mr. Asad ur Rehman

2- Mr. Abdul Maroof

Date:

June 20, 2016

Abstract

Online Event Organizers is an online system for users to organize different kind of events and providing a facility to plan their events according to their budget. It also facilitates the user in order to search different Event Organizers Companies, see their packages, services and bookings and plan the event accordingly. It provides different packages offered by the companies with in their budget having details of their facilities and services. In this way users can easily search and compare and can be able to select a company according to their requirements so that they don't go over-budget. It also provides the facility to contact the Vendor companies in order to book their events upon their availability. It also facilitates the organizing companies to enhance their business by promoting their company profile with introduction of different packages and services for their clients so that more users can hire and book them for their events. It also provides total budget calculations for the event created on the system. In this way it provides time and money saving event planning on their screens and makes event planning smart and easier. Requirement elicitation technique mainly used for this project is observation.

Table of Contents:-

-----PROJECT ESTIMATION AND SCHEDULING-----

1-Introduction	2
1.1 Project/Product Feasibility Report	2
1.1.1 Technical Feasibility	2
1.1.2 Operational Feasibility	2
1.1.3 Economic Feasibility	2
1.1.4 Schedule Feasibility	3
1.1.5 Specification Feasibility	3
1.1.6 Information Feasibility	3
1.1.7 Motivational Feasibility	3
1.1.8 Legal and Ethical Feasibility	4
1.2 Project/Product Scope	5
1.3 Project/Product Costing	5
1.4 CPM - Critical Path Method	7
1.5 Gantt Chart	9
1.6 Introduction to team members and their skill set	10
1.7 Tools & Technologies with Reasoning	10
1.8 Vision Document	12
1.9 Risk List	12

-----REQUIREMENT ENGINEERING-----

2-Introduction	15
3-Requirement Elicitation	15
3.1 Observation	15
3.2 Brain Storming	15
4-System Specification	15
4.1 Introduction	15
4.2 Existing System	15
4.3 Organizational Chart	16
5-Scope of the System	16
5.1 Phase 1	16
5.2 Phase 2	16
5.3 Phase 3	16
6-Summary of Requirement	17
7-Identifying External Entities	18
8-Context Level Data Flow Diagram	19
9-Capture "shall" statements and External Entities(Actors)	20
10-Allocate Requirement	22
11-Prioritize Requirement	25
12-Requirement Traceability Matrix	26

13-High Level Use Case Diagram	28
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-----OBJECT ORIENTED APPROACH-----

14-Introduction.....	29
15-Use Case Description	29
16-Use Case Diagram (Refined)	42
17-Domain Model	49
18-Sequence Diagram.....	50
19-Collaboration Diagram.....	63
20-Operation Contracts	70
21-Design Class Diagram.....	78
22-Data Model.....	79
23-Screen shots	80

CHAPTER # 1

PROJECT ESTIMATION AND SCHEDULING

1-Introduction:

Online Event Organizers is an online web-based system for users to organize different kind of events and providing a facility to plan their events according to their budget. It also facilitates the user in order to search different Event Organizers Companies and Vendors, see their packages, services and bookings and plan the event accordingly. Moreover it also facilitates the organizing companies to enhance their business by promoting their company profile with introduction of different packages and services for their clients so that more users can hire and book them for their events.

Project/Product Feasibility Report:-

This report will cover most of the feasibility checks for initiating the project. We have analyzed different types of feasibilities which are described below:-

1.1.1 Technical Feasibility:

After technically analyzing our project we are sure that group members possess required skills for the proper implementation of our proposed idea. For web application, we are using PHP Technology (Yii Framework 1.1.x) which is the most popular scripting language online and open source platform for development. For mobile application, we are using Android Java as Android is a platform which has empowered number of mobile gadgets, tablets and other computer devices with attributes such as fast browsing, easy to use interface. Our product will have quick response time with efficient performance. It will be a user friendly application and is dependable and trustworthy.

1.1.2 Operational Feasibility:

While planning events, people undergo a lot of troubles at the hands of the Organizing companies who dodge their customers and give different rates to different people. Our application will tempt the end users to use it as it provides them time and money saving event planning. We are confident that our idea is worth implementing as it makes the event planning process smarter and easier by facilitating users in different aspects with interactive environment and interface.

1.1.3 Economic Feasibility:

The project is economically feasible because the user will need a personal computer with a web browser to use the web application and an Android smartphone for using Mobile application. With respect to economic feasibility we are dividing our project economic feasibility into two parts i.e. cost estimates and benefit estimates.

Cost Estimates:

Development Costs

- Backend Processes
- Interfaces
- Database

Operational Costs

- Hardware

Benefit Estimates:**Tangible Benefits**

- Application can satisfy the user needs and does not waste any of the system resources.

1.1.4 Schedule Feasibility:

The total time to complete this project is roughly seven months. The project is divided into different segments/deliverables and different tasks are given to each member of the group and they are accountable to complete the task before the deadline. Workload is divided appropriately among all team members and scheduled meetings are also planned in order to monitor project activities.

1.1.5 Specification Feasibility:

Being a development project our project requirements are very much clear and definite. All Functional components are essential features which must be fulfilled by the end of the project. Required specifications of software and hardware for the completion of this project are:

- Eclipse for Android and Web Development in Java.
- Android Studio for Android Development in Java.
- NotePad++ for Coding.
- Adobe Photoshop C6 for Designing & Editing Pictures.
- SQL YOG for Database Handling.
- Xamp server for LAMP Environment.
- NetBeans (IDE) for Coding.
- Personal Computer.

1.1.6 Information Feasibility:

For better and complete understanding of our application we will provide reliable and meaningful user manual.

1.1.7 Motivational Feasibility:

Our application will make event planning process smarter and easier for users. It provides time and money saving event planning for users. While planning, people undergo a lot of troubles at the hands of the Organizing companies who dodge their customers and give different rates to different people. User can be able to search and compare different packages and services provided by different vendors companies according to their budget and book them for their event. There are very rare platforms which provide such sound event planning for users remotely and people don't have to wander company to company for bookings.

1.1.8 Legal & Ethical Feasibility:

Our project is legally and ethically feasible by all means. All softwares needed for the development of our project are available online. This application won't contain any content that will harm the interest of any sect or community.

1.2- Project/Product Scope:-

Online Event Organizers provides better environment for event management and offers an online solution for event organizing services and making event management easy. It provides different packages offered by the companies with in their budget having details of their facilities and services. In this way users can easily search and compare and can be able to select a company according to their requirements so that they don't go over-budget. It also provides the facility to contact the Vendor companies in order to book their events upon their availability. Companies and vendors will have a profile on the system on which they can modify their details, services and availability.

1.3- Project/Product Costing:-**1.3.1 Project Cost Estimation by Function Point Analysis:**

No of inputs: 8

No of outputs: 6

No. of Inquiries: 1

No. of Files: 1

No. of External interfaces: 1

User Inputs:

- Login/Signup
- Check Availability
- Place order
- Customize Profile
- Pay credit
- Rating & Review
- Search Companies
- Chatting

Outputs:

- Total budget calculation
- Credit detail
- User Profile details
- Searched results
- Order details
- Conversation views

Internal Files:

- User Profile/Database

External Interfaces:

- Android App Integration

Inquiries:

- Search (Check Different Vendors)

Information Domain Value	Optimistic values	Most likely	Pessimistic values	Count
Number of Inputs	10	8	6	8
Number of Outputs	8	6	4	6
Number of Inquiries	1	1	1	1
Number of Files	3	1	1	1
Number of External	1	1	1	1

Measurement Parameters	Count	Simple	Average	Complex	FP Count
Number of Inputs	8	3 x 3	3 x 4	2 x 6	33
Number of Outputs	6	3 x 4	1 x 3	2x7	29
Number of Inquiries	1	3 x 0	4 x 1	6 x 0	4
Number of Files	1	7 x 0	10 x 1	15 x 0	10
Number of External Interfaces	1	5 x 0	7 x 0	10 x 1	10

Total FP Count = 86

14 Global Factors:

Data Communication	4
Distributed Data Processing	1
Performance	5
Heavily Used Configuration	1
Transaction Rate	4
On-Line Data Entry	3

End User Efficiency	2
On-Line Update	4
Complex Processing	1
Reusability	5
Installation Ease	4
Operational Ease	5
Multiple Sites	1
Facilitate Change	5
Total = $\sum F_j$	45

Calculate Function Point:

$$\begin{aligned}
 \text{FP est.} &= \text{Count Total} * [0.65 + 0.01 * (F_j)] \\
 &= 86 * [0.65 + 0.01 * (45)] \\
 &= 86 * [1.10]
 \end{aligned}$$

FP est. = 94.6

For our project

$$\begin{aligned}
 \text{Productivity} &= 14 \text{ Fp / m} \\
 \text{Labor Rate} &= 15000 \text{ per month}
 \end{aligned}$$

$$\begin{aligned}
 \text{Effort} &= \text{FP est.} / \text{productivity} \\
 &= 94.6 / 14 \\
 &= 6.75 \text{ m}
 \end{aligned}$$

Now,

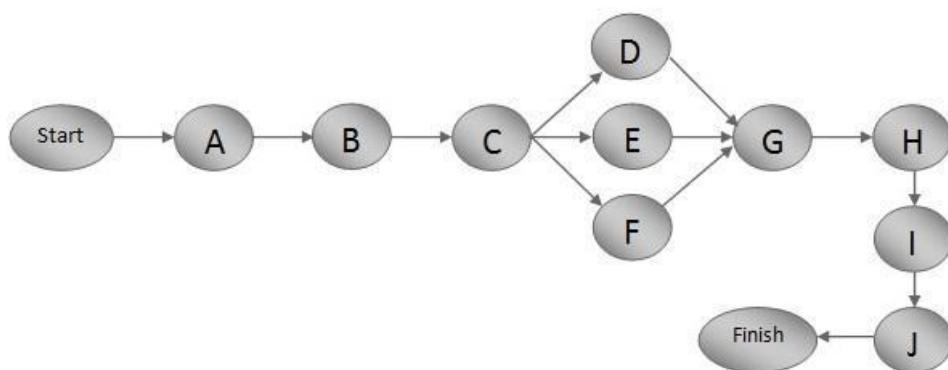
$$\begin{aligned}
 \text{Cost/FP} &= \text{Labor Rate/prod} \\
 &= 15000/14 \\
 &= 1071.42 \text{ Rs/Fp}
 \end{aligned}$$

$$\begin{aligned}
 \text{Total Project Cost} &= \text{FP est.} * (\text{Cost/FP}) \\
 &= 94.6 * (1071.42) \\
 &= \text{Rs } 101,356.33
 \end{aligned}$$

1.4- CPM – Critical Path Method:

Activity	Name	Immediate Predecessor	Duration in weeks
A	Proposal	None	1
B	Planning	A	1
C	Requirement Gathering	B	1
D	Requirement Analysis	C	1
E	Scheduling	C	0.5
F	Requirement Engineering	C	2.5
G	Design	D,E,F	4
H	Implementation	G	14
I	Testing	H	2
J	Deployment	I	1

AON Diagram:

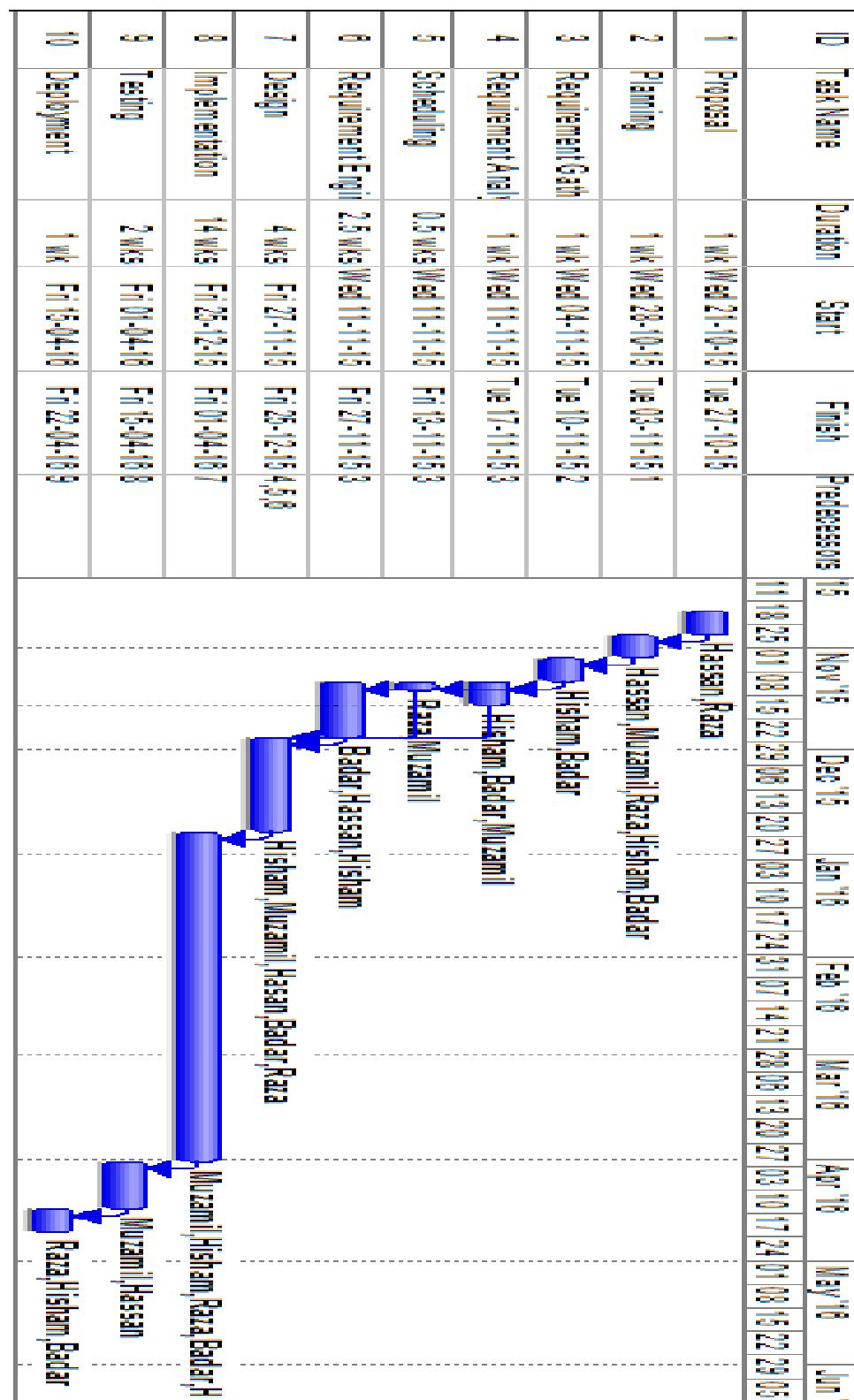


Activity	Duration	ES	EF	LS	LF	TS	FS
A	1	0	1	0	1	0	0
B	1	1	2	1	2	0	0
C	1	2	3	2	3	0	0
D	1	3	4	4.5	5.5	1.5	1.5
E	0.5	3	3.5	5	5.5	2	2
F	2.5	3	5.5	3	5.5	0	0
G	4	5.5	9.5	5.5	9.5	0	0
H	14	9.5	23.5	9.5	23.5	0	0
I	2	23.5	25.5	23.5	25.5	0	0
J	1	25.5	26.5	25.5	26.5	0	0

The Critical Path is as follows:

A -> B -> C -> D -> G -> H -> I -> J
A -> B -> C -> F -> G -> H -> I -> J

1.5-Gantt Chart:-



1.5-

1.6-

1.6-Introduction to Team Members and their Skill Set:-

Our team consists of 5 members each having a different skills set for this project. Skills of each member are described below:

Hassan Anwar:

This member has an expertise and skills in developing web applications through MS Visual Studio in .NET Technology and NetBeans IDE in PHP Technology. He has a sound knowledge of web architecture and database integrations. He has also good experience in documentation and diagrams related to Analysis and Design.

Muzamil Ejaz:

He has sound experience in development in PHP. As we are developing this project in PHP technology, so he will be a great asset for developing our project. He has worked on different MVC frameworks of PHP. He is also good with Javascript/Jquery and Ajax.

Hisham Zahid:

He has a vast experience of building Mobile applications in Java on Android platform. He has worked on building interactive UI screens for different Mobile applications. He is also good with designing Web pages for our web application. He has a sound knowledge of Android Studio, a tool we are using for our Mobile application development.

Raza Ahmed:

He has an expertise in Java and worked over various projects of different Mobile applications on Android platform. He has a sound knowledge of database integrations and building UI screens for the application. He is also experienced with development in Eclipse, a tool we are using for our Mobile application development.

Badar Iqbal:

Application testing and documentation is an essential part of every application development. To remove bugs and faults, application testing is very important. For this Badar also having a sound experience in building web applications will be a great asset in development of our project.

1.7-Tools and Technologies with Reasoning:-

1. Eclipse

Reason:

We are using this tool for Android Development in Java. It is a good debugging tool, with step by step, break points and variable inspection facilities. The tool has also excellent navigation capability.

Constraint:

Eclipse is no longer supported by Google and via Eclipse it is somehow difficult to integrate the application with Google play store.

2. Android Studio

Reason:

We are using this tool for parallel Android Development in Java. It is good with Gradle Build, Improved Visual Editor, Version Control Merging and improved code completion and easy to use. Android Studio is a far simpler way to develop for Android and it is also supported by Google.

Constraint:

New technology.

3. NotePad++

Reason:

We are using this tool for coding in PHP, HTML, JavaScript , Jquery and AJAX languages. It is easy to use and highlights the text in different colors which gives a good interface for coding.

Constraint:

It doesn't have real-time syntax checking.

4. Adobe Photoshop C6

Reason:

We are using this tool for designing and editing pictures for web and mobile application. It is used to edit the digital image application. It helps you improve the quality of a photograph. It is the assistant with the artists who rely on Photoshop to make the artwork.

Constraint:

It has so many features for the beginners so one will take long time to learn how to use each one correctly.

5. SQL YOG

Reason:

SQLyog is a GUI tool for the RDBMS MySQL. We are using this tool for database handling.

Constraint:

No integration with databases for android.

6. Xamp server

Reason:

Xamp server is used for LAMP Environment development. It is a free and open source cross-platform web server solution.

7. NetBeans (IDE)

Reason:

We are using this tool for coding in PHP, HTML, JavaScript , Jquery and AJAX languages. It will be used in development of PHP in MVC framework. The NetBeans Platform allows applications to be developed from a set of modular software components called modules. Applications based on the NetBeans Platform, including the

NetBeans integrated development environment (IDE), can be extended by third party developers.

8. IBM Rational Rose

Reason:

It is used for creating UML diagrams for design phase in the project. All diagrams related with the project documentation are made by IBM Rational Rose.

Constraint:

It has so many features for the beginners so one will take long time to learn how to use each feature.

9. Microsoft Project Manager

Reason:

It is used for developing Schedules and Gantt chart s.

1.8-Vision Document:-

Online Event Organizers is an online system for users to organize different kind of events and providing a facility to plan their events according to their budget. It also facilitates the user in order to search different Event Organizers Companies, see their packages, services and bookings and plan the event accordingly. It provides different packages offered by the companies with in their budget having details of their facilities and services. In this way users can easily search and compare and can be able to select a company according to their requirements so that they don't go over-budget. It also provides the facility to contact the Vendor companies in order to book their events upon their availability. It also facilitates the organizing companies to enhance their business by promoting their company profile with introduction of different packages and services for their clients so that more users can hire and book them for their events. It also provides total budget calculations for the event created on the system. In this way it provides time and money saving event planning on their screens and makes event planning smart and easier.

1.9-Risk List:-

Resource Risks:

People

- Lack of appropriate skills and experience for web and mobile application development.
- Lack of mutual understanding among team members.
- Doubt in success of completion of project in time.
- Difficulties to analyze the user requirements and attraction to this application.

Time

- Insufficient time to complete this project.
- Inappropriate scope and functionality and management to meet schedules.
- Critical dates to submit deliverables.

Business Risks

- Competitors launch this type of application in market first.

- Meet application quality at market level.

Technical Risks:**Scope risks:**

- Scope of application is expandable.
- Inexperience in new technologies used in the project.
- Compatibility with different type of web and mobile platforms.
- Functionalities not supported by other mobile devices.
- Huge data volumes for publishing the application.
- Lack of response of external dependencies on time.
- Users are inexperienced to use the application.
- Increasing the size and complexity of application due to new features.

External dependency risk:

- Success dependent on the successful integration of latest development tools (design tools, compilers, and so on), implementation technologies (operating systems, databases, inter-process communication mechanisms, and so on).

Schedule Risks:

Schedule risks are integrated in some estimating and costing tools. For example in the COCOMO model, many of the cost drivers such as:

- Complexity of project
- Real-time constraints
- Storage constraints
- Experience
- Availability of good tools
- Schedule Pressure

CHAPTER# 02

REQUIREMENT ENGINEERING

2- Introduction

Requirement Engineering is very important and somehow critical phase of SDLC because gathering correct, complete and valid requirements is a tiresome work to do. We are developing an application named “Online Event Organizers”, which is an event organizing web and mobile based application and mainly targets interests of general public planning their event. Requirement Engineering shall lead us doing requirement elicitation and requirements specification that would lead to the following six steps:

- Prioritize requirements
- Identify External Interfaces
- Development of Context Diagram
- Capture “Shall” Statements
- Allocate Requirements
- Development of requirements traceability matrix

3- Requirement Elicitation:

Gathering correct and complete requirements is not very easy task. Sometimes we interpret things differently which results in problems. Requirement elicitation technique which we have used for our gaming project is as follows:-

3.1 Observation:

We have observed that which type of applications are popular these days. We observed that most of the hit applications are based on providing user an ease to accomplish daily life formalities. Therefore we are developing our application “Online Event Organizers” which makes event planning smarter and easier. We analyzed that users gradually develop their interest in application after using it which ensures time and money saving event plan for them.

3.2 Brain Storming:

Another technique through which we gathered most requirements is brainstorming. We held group discussions to produce ideas. Different types of innovative ideas were generated and their feasibility was discussed before finalizing them for our project. This technique helped a lot because all group members shared their knowledge.

4- Systems Specification

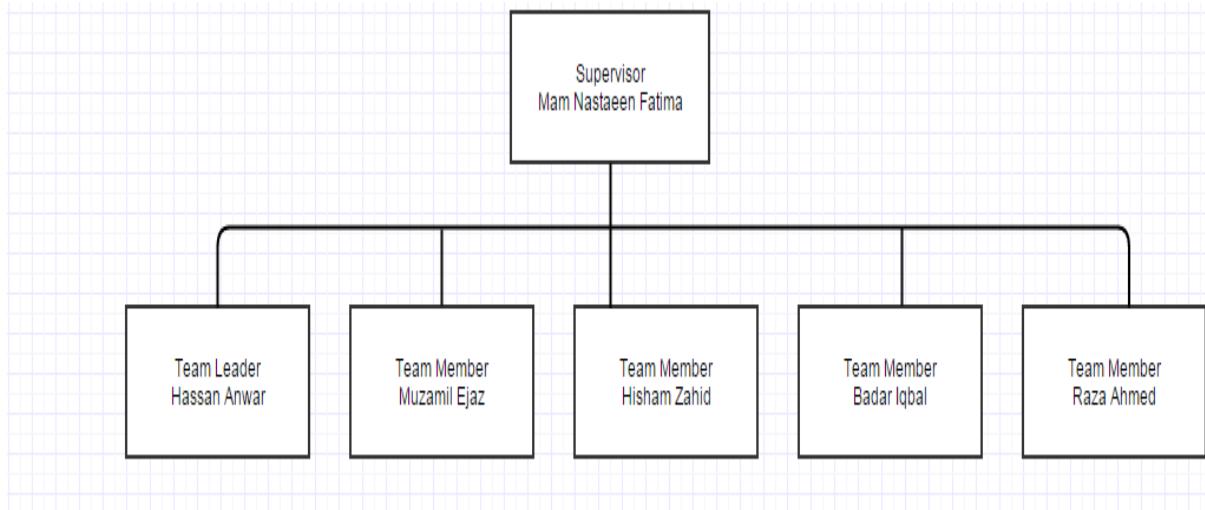
4.1 Introduction:

“Online Event Organizers” is an online web/mobile-based system for users to organize different kind of events and providing a facility to plan their events according to their budget. We are developing this application as final year project with group of five people. Target end users of our application are general public and Event Organizing companies.

4.2 Existing System:

There are no well-known existing systems and organization which runs such kind of system like ours in Pakistan. However we can say that there is an organization comprising of 5 members and being supervised by Ma’am Nastaean Fatima.

4.3 Organizational Chart:



5- Scope of the System

Our system ‘Online Event Organizers’ is divided in to three phases:

5.1 Phase I:

Phase I includes following design areas:

- Documentation
- GUI Designing
- Web UI Designing
- Android UI Designing
- Tool Installation
- Tool Settings

5.2 Phase II

Phase II involves the release for testing of the system after the development. Phase II includes following business areas:

- Android Development
- Web Development
- Database Integration
- Tools Integration
- Integrating Hardware
- Release for Testing

5.3 Phase III

Phase III covers a complete release of System. Phase III includes remaining business areas which are not developed in previous phases.

- Component Testing
- Code Testing
- Object Oriented Design Testing
- Deployment

6- Summary of Requirements: (Initial Requirements)

1. Sign in/Sign up for Users:

Users have to sign-up to the website in order to avail all the facilities provided by the website. Specific functionalities will be available for logged out users.

2. User status and Profile Management:

Status of user visiting website will be shown to the user. Users can also edit their profile details and manage them.

3. Create Event:

User can create an event on the system and provides initial information related to the event

4. Search Filters:

Different filters will be available for users to search different companies. User can search companies on basis of Budget range, Event type, Company/Vendor type, Services type and Locations.

5. View Services Details:

User can view all details related to Company/Vendor and their Services related to the event.

6. Check Availability:

User can check availability of the Company on desired date and time and can make his selection accordingly.

7. Book Company/Vendor:

User can book the selected Company for the event. For this a request is made to the Company to book the event.

8. Company Profile Management:

Companies/Vendors will have a profile on the system on which they can modify details, services and availability.

9. Advance Payment Management:

In order to book the event, user has to pay some advance amount to book the concerned company/vendor. For this payment handling will be managed.

10. Edit Services:

While booking some company/vendor, users will have the facility to select their own desired services they want to avail in order to make their budget as efficient as possible.

11. Company/Vendor Categories:

Different kind of companies can be searched according to customer desire. Vendor categories will be shown to the users.

12. Total Budget Calculation & Estimation:

Total event cost will be calculated and shown to the user upon selections of all the services and vendors booked for the concerned event.

13. Company/Vendor and Customer communication:

Customer can easily communicate with the concerned vendor/Company via Chat boxes and emails.

14. Company/Vendor Rating & Reviews:

Company/Vendor Rating and Reviews can be made by the customers in order to enhance their ratings.

7- Identifying External Entities**a. Over Specify Entities from Abstract:**

Actors:

1. Customer
2. Vendor
3. Administrator

External Entities:

1. Database
2. Android phone

b. Perform Refinement

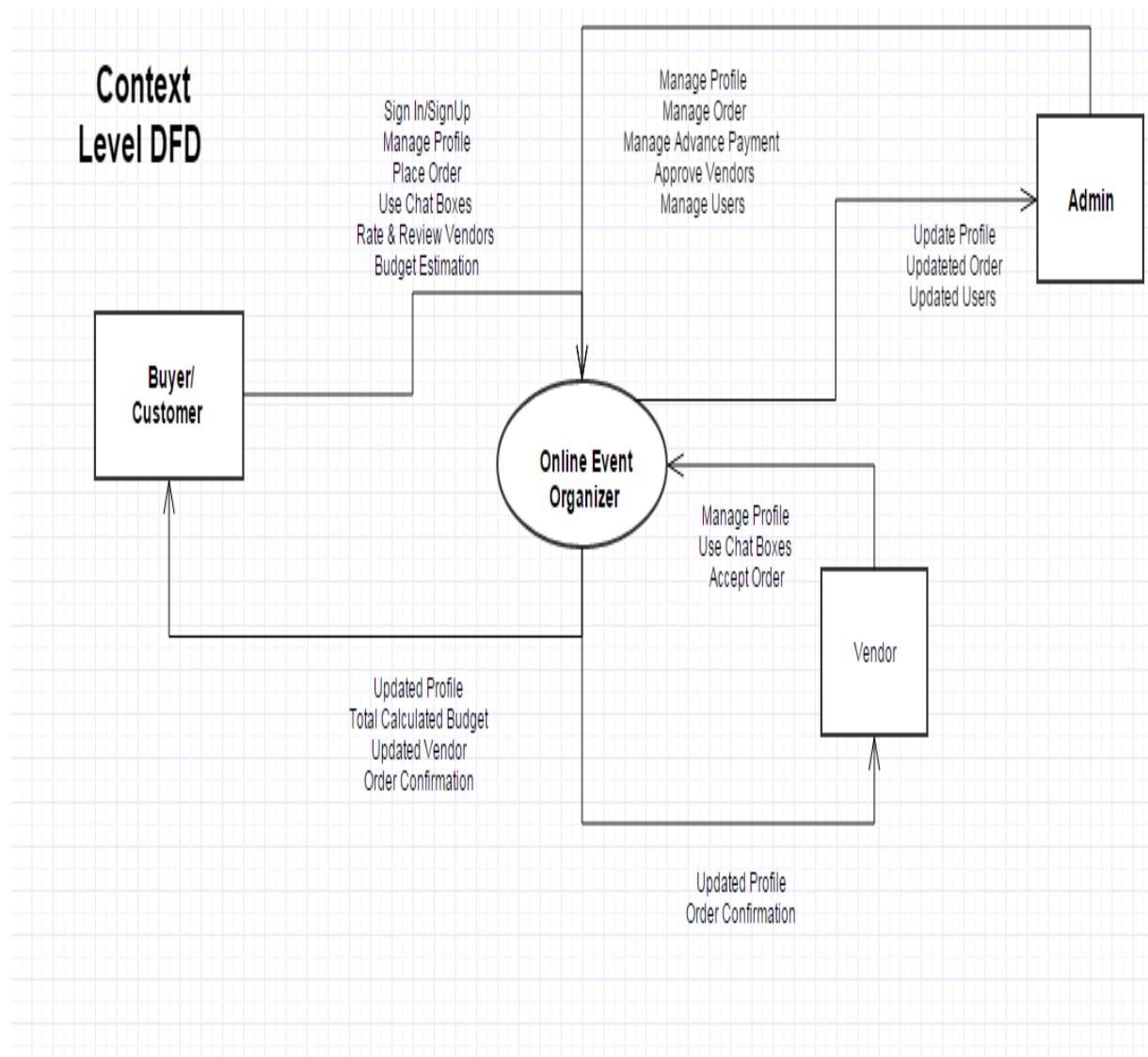
Actors:

- 1- Customer**
- 2- Vendor**
- 3- Administrator**

External Entities:

1. Android phone

8- Context Level Data Flow Diagram:



9- Capture “shall” Statements and the external entities (Actors):

Para#	External Entity	Initial Requirements
1.0	User	A user “shall” Sign up on the website.
1.0	User	A user “shall” provide related information to Sign up on the sign up page.
1.0	System	System “shall” accept, reject and temporarily waive the requests on the basis of credentials provided.
1.0	User	User “shall” Sign in to the website.
1.0	System	System “shall” process sign in request and accept, reject or temporarily waive the requests on the basis of credentials provided.
2.0	System	System “shall” show the status and profile details of the user.
2.0	User	A user “shall” login to update or manage his profile.
2.0	System	System “shall” save/update the user profile and entertain different requests.
3.0	User	User “shall” create an event and provide initial information related to the event.
4.0	User	A user “shall” search different companies/Vendors on basis of Budget range, Event type, Company/Vendor type, Services type and Locations.
4.0	System	System “shall” process search query and show the related results to the user.
5.0	User	A user “shall” select any company to view their services and company/vendor details.
5.0	System	System “shall” show the details about requested company/vendor.
6.0	User	A user “shall” check the availability of a specific vendor/company for a desired date and time.
6.0	System	System “shall” process the request and show availability of the vendor/company.
7.0	User	A user “shall” sign in and book a company for an event.
7.0	User	User “shall” select company, event, and details on request form and confirm the request.
7.0	System	System “shall” process and check the details of the request and forward it to the company, request detail “shall” be saved on user profile, company vendor profile and system database.
7.0	Vendor/Company	Vendor/Company “shall” approve or reject the request for the event.
7-0	System	System “shall” save the updates about request and inform the user.

7.0	User	User “shall” see all his requests and can update the requests which are not approved by the company/vendor yet.
8.0	Vendor/Company	Vendor/Company “shall” request for an account/profile on website by providing the category and all the required information.
8.0	System	System “shall” check/verify and forward the company/vendor’s request to the admin.
8.0	Admin	Admin “shall” see all the requests from the vendors and approve or disapprove the request.
8.0	Vendor/Company	Vendor/Company “shall” modify details, services and availability.
8.0	System	System “shall” save the updates and update website.
9.0	User	User “shall” confirm the requested event after the positive response from the company/vendor for his previously generated request.
9.0	User	To confirm the event User “shall” pay a specific percentage of the calculated amount to the website using online services or using an external source.
9.0	System	System “shall” save the details and information about the event and paid amount and shall generate the request for admin.
9.0	Admin	Admin “shall” approve or disapprove the deal.
9.0	Admin	Admin “shall” send the amount to the vendors after the event.
10.0	User	User “shall” edit the services of the vendors and companies select or deselect the services according to his desired budget and send request to the companies.
11.0	User	User “shall” search any company by the category.
12.0	User	User “shall” calculate/estimate the total budget of his planned event on website.
12.0	User	User “shall” plan his event on website by adding different services from different vendors on the event.
12.0	System	System “shall” calculate and show the total budget for an event planned by some user.
13.0	User	User “shall” communicate with the company using email services or chat requests on the website.
13.0	User	User “shall” send mail to the company using mailing services available on website.
13.0	User	User “shall” send chat request to the vendor or company, company can accept or reject the chat request of user..
13.0	System	System “shall” provide the chat box on website to the vendors and Users.
13.0	User	User “shall” rate a company or give a review.
14.0	System	System “shall” save the ratings and reviews of users about vendors/companies and show the on their profiles.

10- Allocate Requirements:

Para#	Initial Requirements	Use Case Name
1.0	A user “shall” Sign up on the website.	UC_Sign_Up
1.0	A user “shall” provide related information to Sign up on the sign up page.	UC_Sign_Up
1.0	System “shall” accept, reject and temporarily waive the requests on the basis of credentials provided.	UC_Sign_Up
1.0	User “shall” Sign in to the website.	UC_Sign_Up
1.0	System “shall” process sign in request and accept, reject or temporarily waive the requests on the basis of credentials provided.	UC_Sign_Up
2.0	System “shall” show the status and profile details of the user.	UC_Manage_User_Profile
2.0	A user “shall” login to update or manage his profile.	UC_Manage_User_Profile
2.0	System “shall” save/update the user profile and entertain different requests.	UC_Manage_User_profile
3.0	User “shall” create event and provide initial details related to the event.	UC_Create_Event
4.0	A user “shall” search different companies/Vendors on basis of Budget range, Event type, Company/Vendor type, Services type and Locations.	UC_Search_Filter
4.0	System “shall” process search query and show the related results to the user.	UC_Search_Filter
5.0	A user “shall” select any company to view their services and company/vendor details.	UC_View_Services_Details
5.0	System “shall” show the details about requested company/vendor.	UC_View_Services_Details
6.0	A user “shall” check the availability of a specific vendor/company for a desired date and time.	UC_Check_Availability
6.0	System “shall” process the request and show availability of the vendor/company.	UC_Check_Availability
7.0	A user “shall” sign in and book a company for an event.	UC_Book_Company
7.0	User “shall” select company, event, and details on request form and confirm the request.	UC_Book_Company
7.0	System “shall” process and check the details of	UC_Book_Company

	the request and forward it to the company request detail “shall” be saved on user profile, company vendor profile and system database.	
7.0	Vendor/Company “shall” approve or reject the request for the event.	UC_Book_Company
7.0	System “shall” save the updates about request and inform the user.	UC_Book_Company
7.0	User “shall” see all his requests and can update the requests which are not approved by the company/vendor yet.	UC_Book_Company
8.0	Vendor/Company “shall” request for an account/profile on website by providing the category and all the required information.	UC_Manage_Company_Profile
8.0	System “shall” check/verify and forward the company/vendor’s request to the admin.	UC_Manage_Company_Profile
8.0	Admin “shall” see all the requests from the vendors and approve or disapprove the request.	UC_Manage_Company_Profile
8.0	Vendor/Company “shall” modify details, services and availability.	UC_Manage_Company_Profile
8.0	System “shall” save the updates and update website.	UC_Manage_Company_Profile
9.0	User “shall” confirm the requested event after the positive response from the company/vendor for his previously generated request.	UC_Manage_Payment
9.0	To confirm the event User “shall” pay a specific percentage of the agreed amount to the website using online services or using an external source.	UC_Manage_Payment
9.0	System “shall” save the details and information about the event and paid amount and shall generate the request for admin.	UC_Manage_Payment
9.0	Admin “shall” approve or disapprove the deal.	UC_Manage_Payment
9.0	Admin “shall” send the amount to the vendors after the event.	UC_Manage_Payment
10.0	User “shall” edit the services of the vendors and companies select or deselect the services according to his desired budget and send request to the companies.	UC_Edit_Services
11.0	User “shall” search any company by the category.	UC_Search_Category
12.0	User “shall” calculate the total budget of his planned event on website.	UC_Calculate_Total_Budget
12.0	User “shall” plan his event on website by adding different services from different vendors on the event.	UC_Calculate_Total_Budget
12.0	System “shall” calculate and show the total budget for an event planned by some user.	UC_Calculate_Total_Budget
13.0	User “shall” communicate to the company using email services or chat requests on the website.	UC_Communicate_Vendor

13.0	User “shall” send mail to the company using mailing services available on website.	UC_Communicate_Vendor
13.0	User “shall” send chat request to the vendor or company, company can accept or reject the chat request of user..	UC_Communicate_Vendor
13.0	System “shall” provide the chat box on website to the vendors and Users.	UC_Communicate_Vendor
14.0	User “shall” rate a company or give a review.	UC_Rate_Vendor
14.0	System “shall” save the ratings and reviews of users about vendors/companies and show the on their profiles.	UC_Rate_Vendor

11- Prioritize Requirements:

Para #	Rank	Initial Requirements	Use Case Id	Use Case Name
1.0	Low	Sign in/Sign up for Users	UC_1	UC_Sign_Up
2.0	Low	User status and Profile Management	UC_2	UC_Manage_User_profile
3.0	High	Create Event	UC_3	UC_Create_Event
4.0	High	Search Filters	UC_4	UC_Search_Filter
5.0	Medium	View Services Details	UC_5	UC_View_Services_Details
6.0	High	Check Availability:	UC_6	UC_Check_Availability
7.0	High	Book Events	UC_7	UC_Book_Company
8.0	High	Company/Vendor Profile Management	UC_8	UC_Manage_Company_Profile
9.0	High	Advance Payment Management	UC_9	UC_Manage_Payment
10.0	Low	Edit Services	UC_10	UC_Edit_Services
11.0	Low	Company/Vendor Categories	UC_11	UC_Search_Category
12.0	Low	Total Budget Calculation	UC_12	UC_Calculate_Total_Budget
13.0	Medium	Company/Vendor and Customer communication	UC_13	UC_Communicate_Vendor
14.0	Low	Company/Vendor Rating & Reviews	UC_14	UC_Rate_Vendor

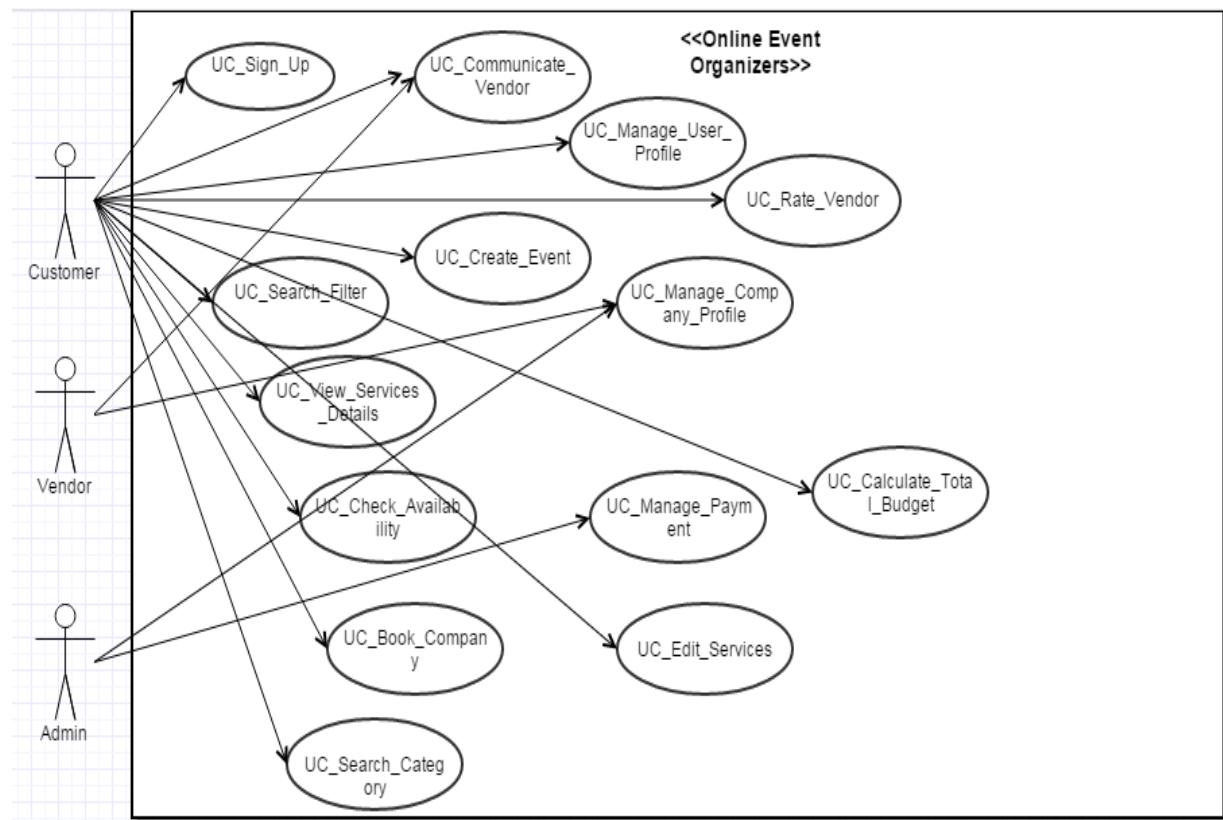
12- Requirements Traceability Matrix:

Para #	Initial Requirements	Build	Use Case Name	Category
1.0	Sign in/Sign up for Users	B1	UC_Sign_Up	Business
2.0	User status and Profile Management	B1	UC_Manage_User_profile	Business
3.0	Create Event	B1	UC_Create_Event	Business
4.0	Search Filters	B1	UC_Search_Filter	Business
5.0	View Services Details	B1	UC_View_Services_Details	Business
6.0	Check Availability	B1	UC_Check_Availability	Business
7.0	Book Events	B1	UC_Book_Company	Business
8.0	Company/Vendor Profile Management	B1	UC_Manage_Company_Profile	Business
9.0	Advance Payment Management	B1	UC_Manage_Payment	Business
10.0	Edit Services	B1	UC_Edit_Services	Business
11.0	Company/Vendor Categories	B1	UC_Search_Category	Business
12.0	Total Budget Calculation	B1	UC_Calculate_Total_Budget	Business
13.0	Company/Vendor and Customer communication	B1	UC_Communicate_Vendor	Business
14.0	Company/Vendor Rating & Reviews	B1	UC_Rate_Vendor	Business

CHAPTER # 03

OBJECT ORIENTED APPROACH

13- High Level Use Case Diagram:



14- Introduction:

Online Event Organizers is an online system for users to organize different kind of events and providing a facility to plan their events according to their budget. It also facilitates the user in order to search different Event Organizers Companies and Vendors, see their packages, services and bookings and plan the event accordingly. Moreover it also facilitates the organizing companies to enhance their business by promoting their company profile with introduction of different packages and services for their clients so that more users can hire and book them for their events.

Online Event Organizers provides better environment for event management and offers an online solution for event organizing services and making event management easy. It provides different packages offered by the companies with in their budget having details of their facilities and services. In this way users can easily search and compare and can be able to select a company according to their requirements so that they don't go over-budget. It also provides the facility to contact the Vendor companies in order to book their events upon their availability. Companies and vendors will have a profile on the system on which they can modify their details, services and availability.

15-Use Case Description:

15.1- Use Case Description#1:-

Use-Case ID:

UC_1

Use-Case Name:

Sign_Up

Brief Description:

Users have to sign-up to the website in order to avail all the facilities provided by the website. User can sign up as a customer and as a vendor. Specific functionalities will be available for logged out users.

Primary Actors:

Customer
Vendor
Admin

Pre-Conditions:

- User should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.

Basic Flow:

1. User selects sign up option available in the application.

2. Sign up window appears.
3. User selects its role for signing up on the application as a customer or as a vendor.
4. Related sign up form appears to the user.
5. User fills the details and provides necessary information and data related to specified role.
6. User uploads necessary data according to signup requirements.
7. User submits the details.
8. In case of vendor sign up, a request is generated to admin for approval.

Alternative Flow:

1.
 - a. Unexpected System Failure.
System indicates error message.
3.
 - a. User doesn't select its role.
System will not proceed.
5.
 - a. Empty fields in sign up form.
System indicates error message.
 - b. Repeated username or invalid username
System indicates error message.
6.
 - a. Invalid upload format.
System indicates error message.

Post-Conditions:

- User's profile as a customer will be created and can be logged in into the system by providing login username and password as selected.
- User's profile as a vendor will be created after verification of Administrator. Vendor or company will be authenticated by Admin before publishing.

15.2- Use Case Description#2:-**Use-Case ID:**

UC_2

Use-Case Name:

Manage_Customer_Profile

Brief Description:

Customer is able to edit their profile details and manage them.

Primary Actors:

Customer

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has signed up on the system as a vendor or customer.
- Customer has logged in to the system.

Basic Flow:

1. Customer wants to update his profile details or manage the profile.
2. Select manage account option available on the system.
3. Customer update, modify and edit the details.
4. Customer submits the updated details.
5. Customer view all the events created by him and their related details.

Alternative Flow:

1.
 - a. Unexpected System Failure.
System indicates error message.
3.
 - a. Incomplete information or empty fields
System indicates error message.

Post-Conditions:

- Modified details are updated in the database with an immediate effect.

15.3- Use Case Description#3:-**Use-Case ID:**

UC_3

Use-Case Name:

Create_Event

Brief Description:

User can create an event on the system and provides initial information related to the event.

Primary Actors:

Customer

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.

- Connection with database is established.
- Customer has signed up on the system as a customer.
- Customer has logged in to the system.

Basic Flow:

1. Select Create Event option available on the system.
2. Enter initial information related to event type, date, time and budget range.
3. Add additional information related to event e.g. number of guests etc.
4. Select different vendors for the event within budget range.
5. Book the vendor for event created.

Alternative Flow:

1.
 - a. Unexpected System Failure.
System indicates error message.
2.
 - a. Enter past date and time for the event.
System indicates error message.
4.
 - a. Selection of vendor makes the budget out of range
System shows alert message.

Post-Conditions:

- Event is created for the particular customer.

15.4- Use Case Description#4:-**Use-Case ID:**

UC_4

Use-Case Name:

Search_Vendor

Brief Description:

Different filters will be available for users to search different companies. User can search companies on basis of Budget range, Event type, Company/Vendor type, Services type and Locations.

Primary Actors:

Customer

Pre-Conditions:

- Customer should visit the website or runs mobile application.

- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.
- Customer has created the event.

Basic Flow:

1. Select search filters.
2. Search vendors on basis of budget range.
3. Search vendors on basis of event type.
4. Search vendors on basis of Company type.
5. Search vendors on basis of Service type.
6. Search vendors on basis of locations.
7. Select vendors and book them for event.

Alternative Flow:

1.
 - a. Unexpected System Failure.
System indicates error message.
 - b. Invalid search query.
System indicates error message.

Post-Conditions:

- Search results will be shown to the customer according to the filters applied.

15.5- Use Case Description#5:-**Use-Case ID:**

UC_5

Use-Case Name:

View_Services_Details

Brief Description:

Customer can view all details related to Company/Vendor and their Services related to the event.

Primary Actors:

Customer

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.
- Customer has created the event.

Basic Flow:

1. Search vendors/company for the event.
2. Select the desired company and view their services details, packages and facilities offered and their availability.
3. Select vendor for the event within budget range.
4. Book the vendor for event created.

Alternative Flow:

1.
 - a. Unexpected System Failure.
System indicates error message.

Post-Conditions:

- Selected company/vendor details will be shown to the customer.

15.6- Use Case Description#6:-**Use-Case ID:**

UC_6

Use-Case Name:

Check_Availability

Brief Description:

Customer can check availability of the Company on desired date and time and can make his selection accordingly.

Primary Actors:

Customer

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.
- Customer has created the event.

Basic Flow:

1. Search vendors/company for the event.
2. Select the desired company and check its availability on date and time for event created.
3. Book the vendor for event upon availability of the vendor.

Alternative Flow:

- 1.

- a. Unexpected System Failure.
System indicates error message.
2. a. Unavailability of vendor on event's date and time.
Customer can't book the vendor in case of their unavailability.

Post-Conditions:

- Availability status of the vendor is shown to the customer so that the vendor can be booked by the user.

15.7- Use Case Description#7:-**Use-Case ID:**

UC_7

Use-Case Name:

Book_Company

Brief Description:

User can book the selected Company for the event. For this a request is made to the Company to book the event.

Primary Actors:

Customer
Vendor

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.
- Customer has created the event.
- Customer has selected a company to book.

Basic Flow:

1. Search vendors/company for the event.
2. Select the desired company and check its availability.
3. Book the vendor for event upon availability of the vendor.
4. A request is sent to the selected vendor for approval.
5. Vendor/Company approves or rejects the request for the event.
6. Customer is informed regarding approval or rejection by the vendor.
7. System saves the updates about request and informs the user.
8. Customer sees all his requests and can update the requests which are not approved by the company/vendor yet.

Alternative Flow:

1.
 - a. Unexpected System Failure.
System indicates error message.
3.
 - a. Cancellation of booking.
Customer can cancel the booking of a vendor for the event.

Post-Conditions:

- Selected vendor is booked for the even upon approval by the concerned vendor. In case of rejection, customer is notified about it.

15.8- Use Case Description#8:-**Use-Case ID:**

UC_8

Use-Case Name:

Manage_Company_Profile

Brief Description:

Companies/Vendors will have a profile on the system on which they can modify details, services and availability. Vendor can view all the requests made by the customers and manage them effectively.

Primary Actors:

Vendor

Pre-Conditions:

- Vendor should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Vendor has logged in to the system.

Basic Flow:

1. Vendor wants to update profile details or manage the profile.
2. Select manage account option available on the system.
3. Vendor update, modify and edit the details.
4. Update services details, packages, facilities and availability.
5. Submits the updated details.
6. Vendor view all the requests made by the customers with related details.
7. Vendor manages the requests and approves or rejects the requests made by the customer.

Alternative Flow:

1.
 - a. Unexpected System Failure.

System indicates error message.

3.
 - a. Incomplete information or empty fields.
System indicates error message.

Post-Conditions:

- Modified details are updated in the database with an immediate effect.
- Requests are approved or rejected and concerned customers are notified.

15.9- Use Case Description#9:-**Use-Case ID:**

UC_9

Use-Case Name:

Manage_Advance_Payment

Brief Description:

In order to book the event, user has to pay some advance amount to book the concerned company/vendor. For this payment handling will be managed.

Primary Actors:

Vendor
Customer
Admin

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.
- Customer has created the event.
- Customer has booked a vendor for the event.

Basic Flow:

1. Search vendors/company for the event.
2. Select the desired company and check its availability on date and time for event created.
3. Book the vendor for event upon availability of the vendor.
4. Vendor approves the request.
5. Confirmation of the requested event after the positive response from vendor/company.
6. Customers pay a specific percentage of the agreed amount using online services or using an external source.
7. System saves the details and information about the event and paid amount and shall generate the request for admin.
8. Admin transfers the advance amount to vendor/company upon vendor approval and booking is confirmed.

9. Admin approves or disapproves the deal.

Alternative Flow:

1.
 - a. Unexpected System Failure.
System indicates error message.
5.
 - a. Customer wants to cancel the deal before vendor approval.
Admin will transfer the money back to the customer.

Post-Conditions:

- Advance payment will be transferred to vendor for final confirmation.

15.10- Use Case Description#10:-**Use-Case ID:**

UC_10

Use-Case Name:

Edit_Services

Brief Description:

While booking some company/vendor, users will have the facility to select their own desired services they want to avail in order to make their budget as efficient as possible.

Primary Actors:

Customer

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.
- Customer has created the event.
- Customer has booked a vendor for the event.

Basic Flow:

1. Search vendors/company for the event.
2. Select the desired company and check its availability on date and time for event created.
3. View the facilities offered by the vendor.
4. Select or edit the desired facilities provided by the vendor to reduce cost as per vendor's policy to use this feature.
5. Book the vendor for the event.

Alternative Flow:

1.
 - a. Unexpected System Failure.

System indicates error message.

4.

- a. No Edit Services feature available for Customer
Customer has to book the complete package for the event.

Post-Conditions:

- Cost of the vendor is reduced according to the services and facilities selected and the request is sent to the vendor accordingly.

15.11- Use Case Description#11:-**Use-Case ID:**

UC_11

Use-Case Name:

Calculate_Total_Budget

Brief Description:

Total event cost will be calculated and shown to the user upon selections of all the services and vendors booked for the concerned event.

Primary Actors:

Customer

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.
- Customer has created the event.

Basic Flow:

1. Search vendors/company for the event.
2. Select the desired companies for the event.
3. Book the companies.
4. Total budget of the event will be calculated on the basis of number of vendors booked for the event, their cost rates and number of guests in the event.
5. Total budget don't increase above the budget range provided by the customer.

Alternative Flow:

1.

- a. Unexpected System Failure.
System indicates error message.

5.

- a. Budget rate exceeds the budget range.
System shows alert to the customer.

Post-Conditions:

- Total budget of the system will be calculated and shown to the user.

15.12- Use Case Description#12:-**Use-Case ID:**

UC_12

Use-Case Name:

Communicate_Vendor_Customer

Brief Description:

Customer can easily communicate with the concerned vendor/Company via Chat boxes and emails.

Primary Actors:

Customer
Vendor

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.
- Both customers and vendors should be online to the system.

Basic Flow:

1. Search vendors/company for the event.
2. Select the desired companies for the event.
3. Communicate to the vendor/company using email services or chat requests on the system.
4. Customer sends email to the vendor/company using mailing services available on system.
5. Customer send chat requests to the vendor or company, company can accept or reject the chat request of user.
6. All customers' related queries are resolved by the vendors related to their services.

Alternative Flow:

1.
 - a. Unexpected System Failure.
System indicates error message.
5.
 - a. Offline status of customer or vendor
System notifies the user.

Post-Conditions:

- Communication between vendor/company and customer.

15.13- Use Case Description#13:-**Use-Case ID:**

UC_13

Use-Case Name:

Rate_Vendor

Brief Description:

Company/Vendor Rating and Reviews can be made by the customers in order to enhance their ratings.

Primary Actors:

Customer

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.

Basic Flow:

1. Search vendors/company for the event.
2. Select the desired companies for the event.
3. Rate the vendor according to their services, facilities and user experience.
4. Reviews can be made to the company profiles showing their experiences with the company.

Alternative Flow:

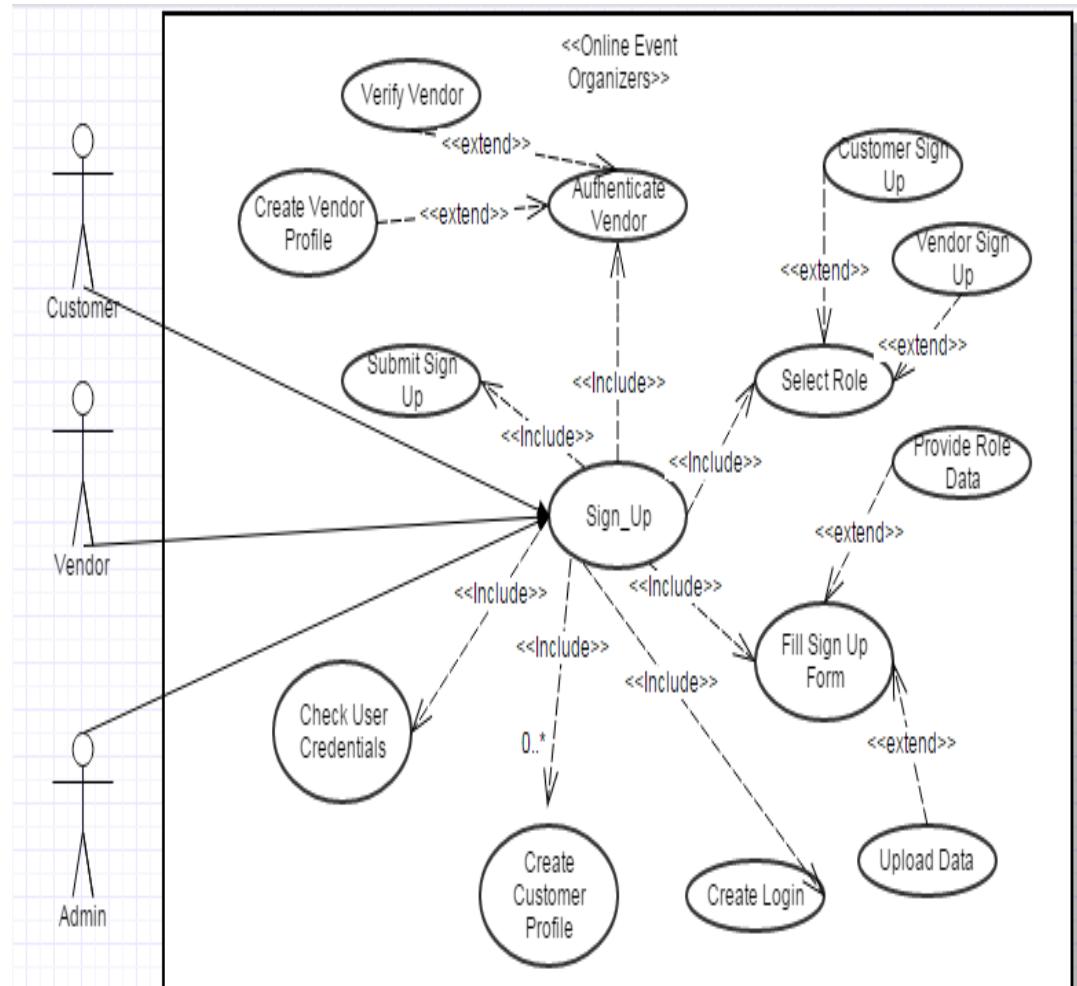
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 - a. Unexpected System Failure.
System indicates error message.

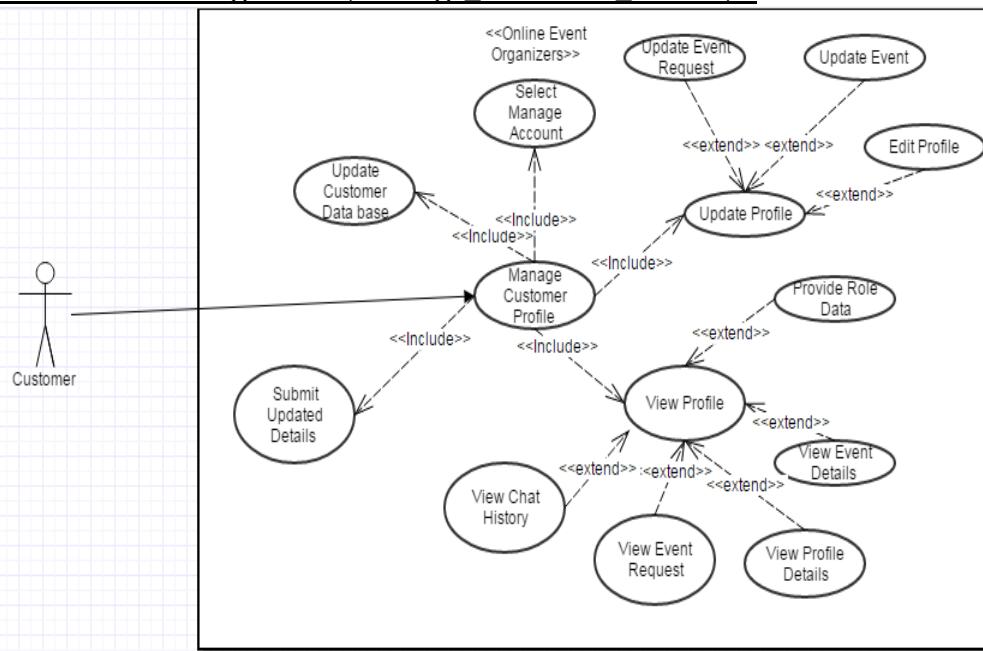
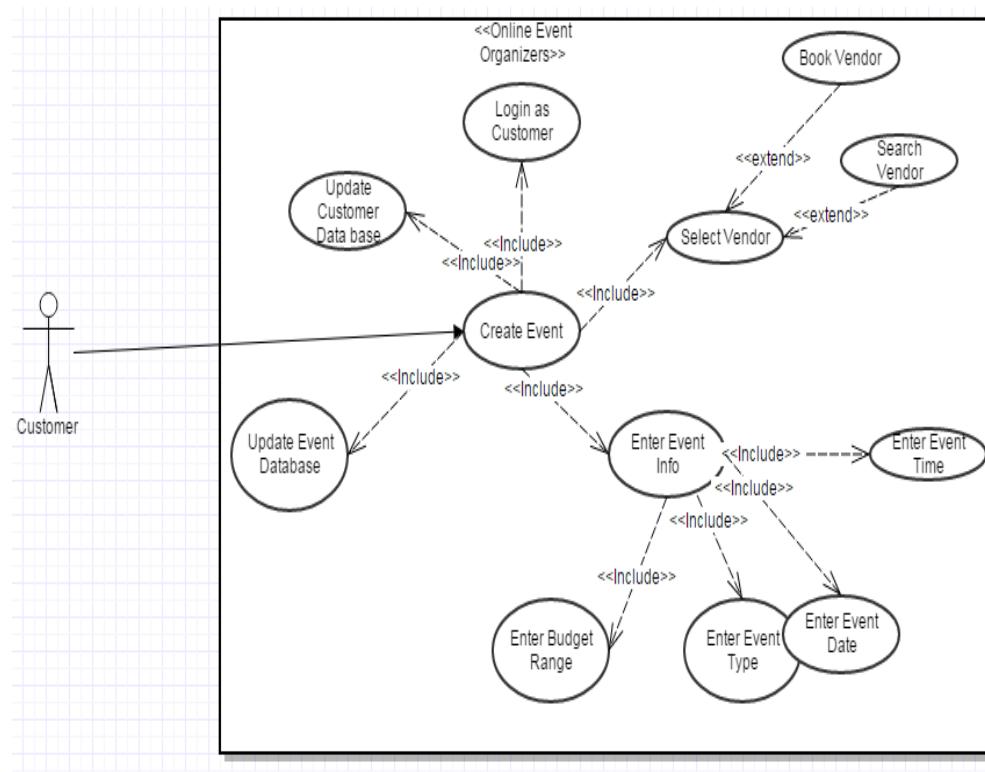
Post-Conditions:

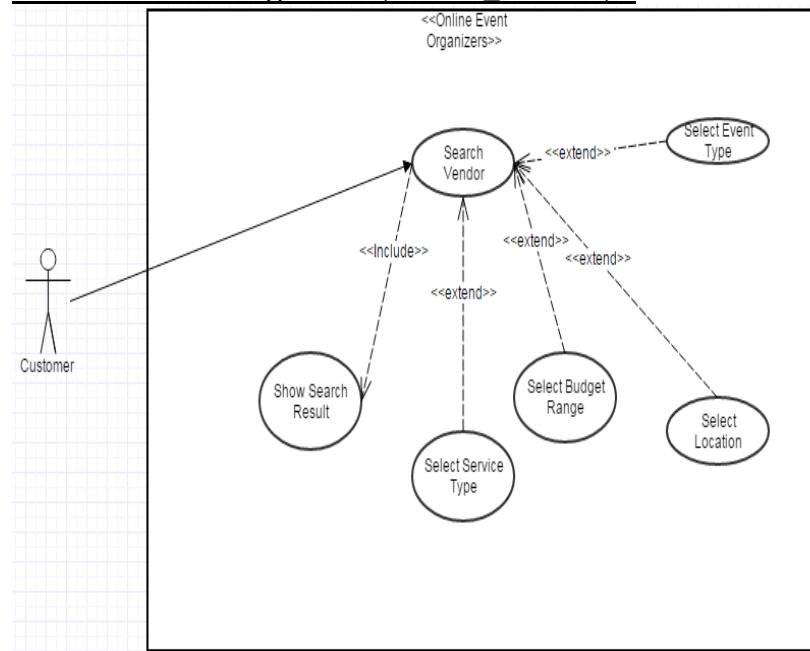
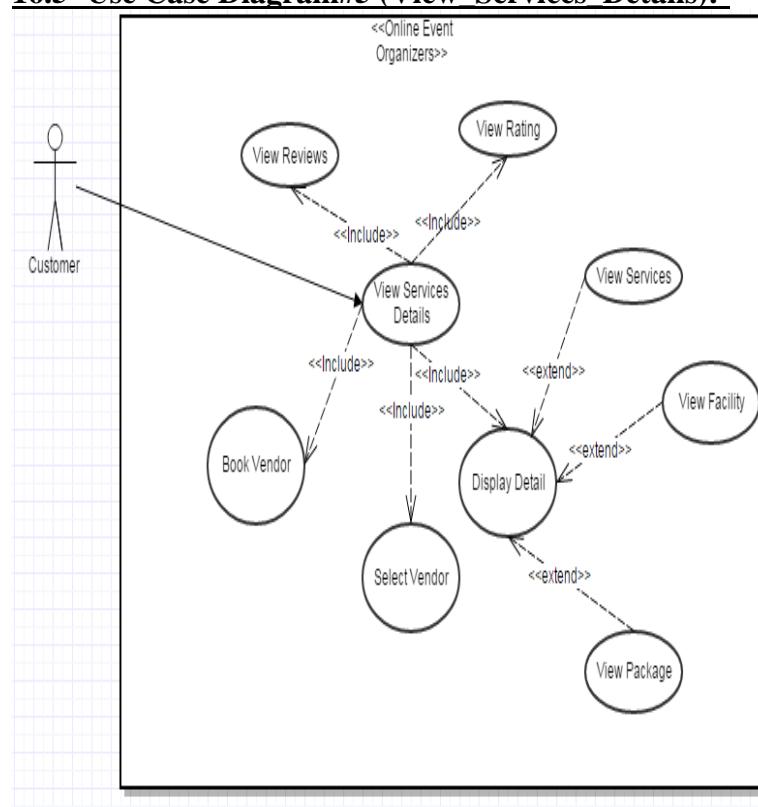
- Ratings and reviews will be shown in company profiles.

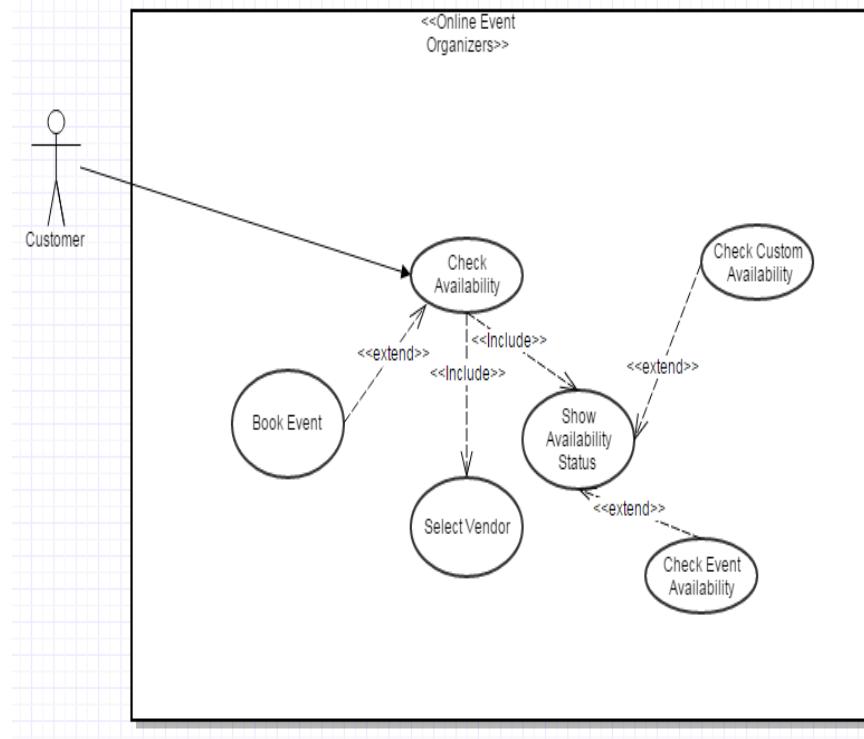
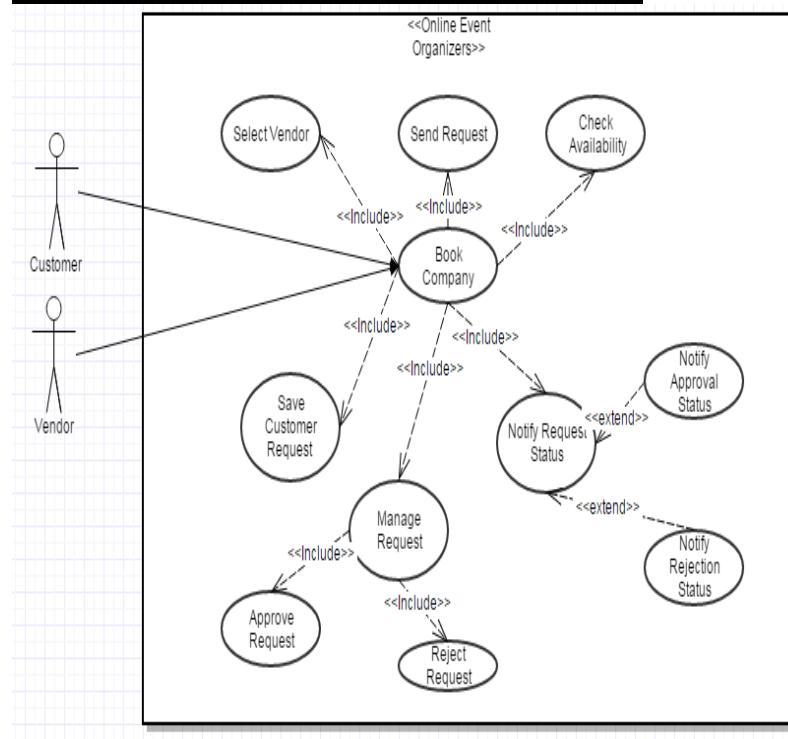
16-Use Case Diagram (Refined):

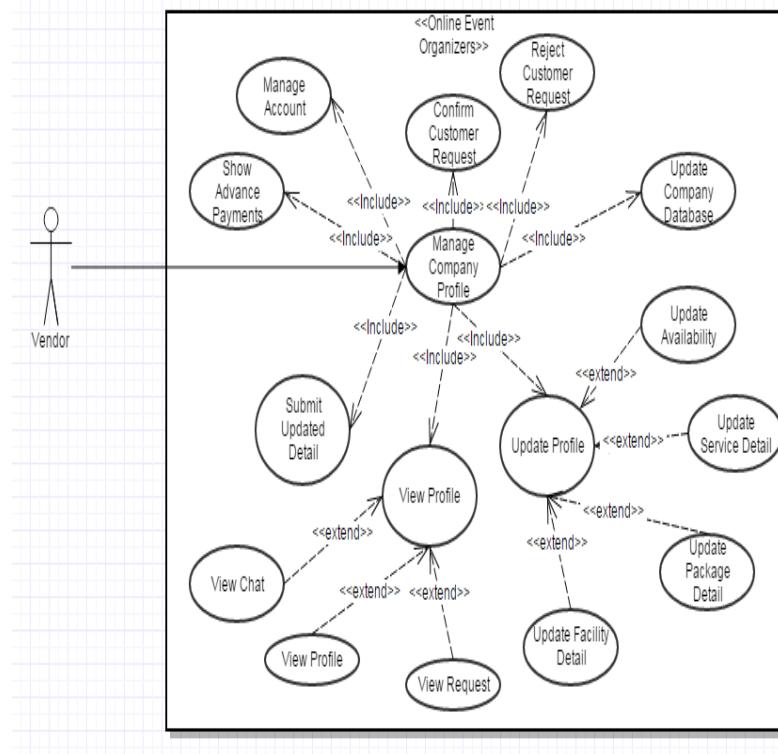
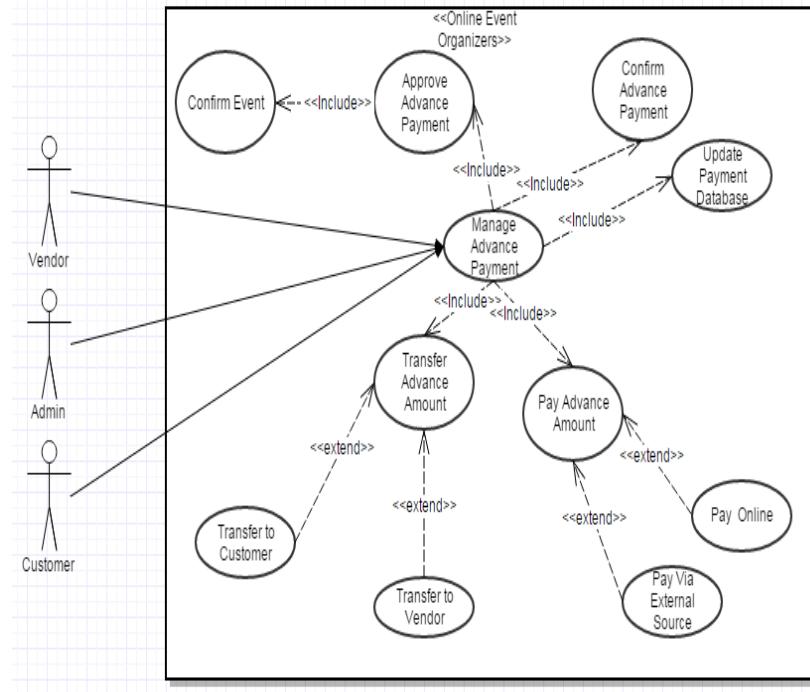
16.1- Use Case Diagram#1 (Sign Up):-

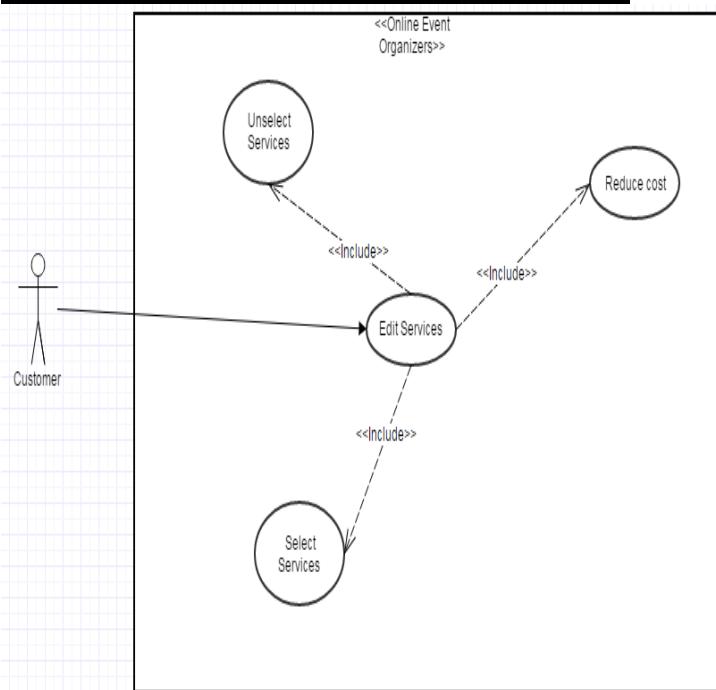
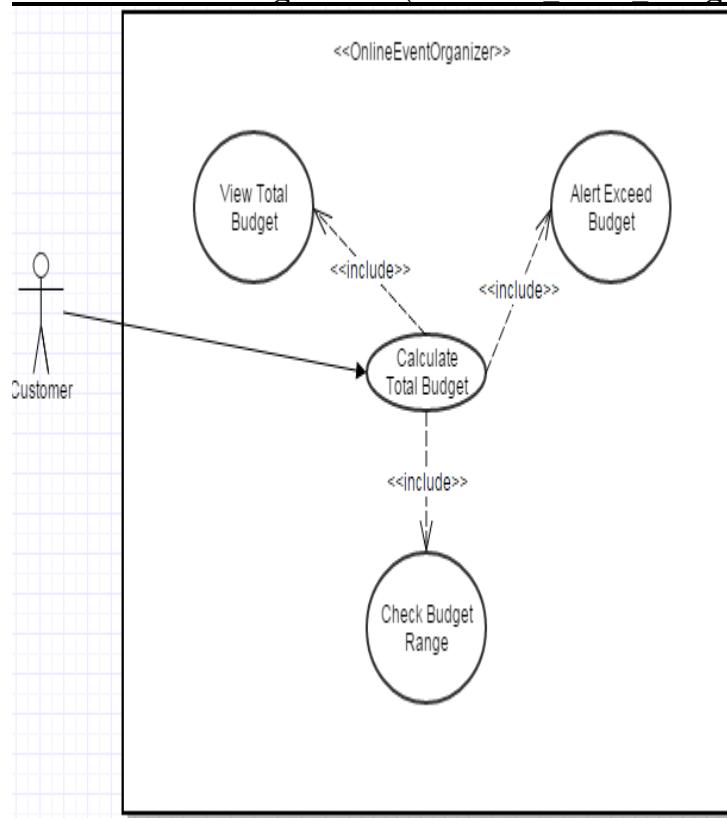


16.2-UseCase Diagram#2 (Manage Customer Profile):-**16.3- Use Case Diagram#3 (Create Event):-**

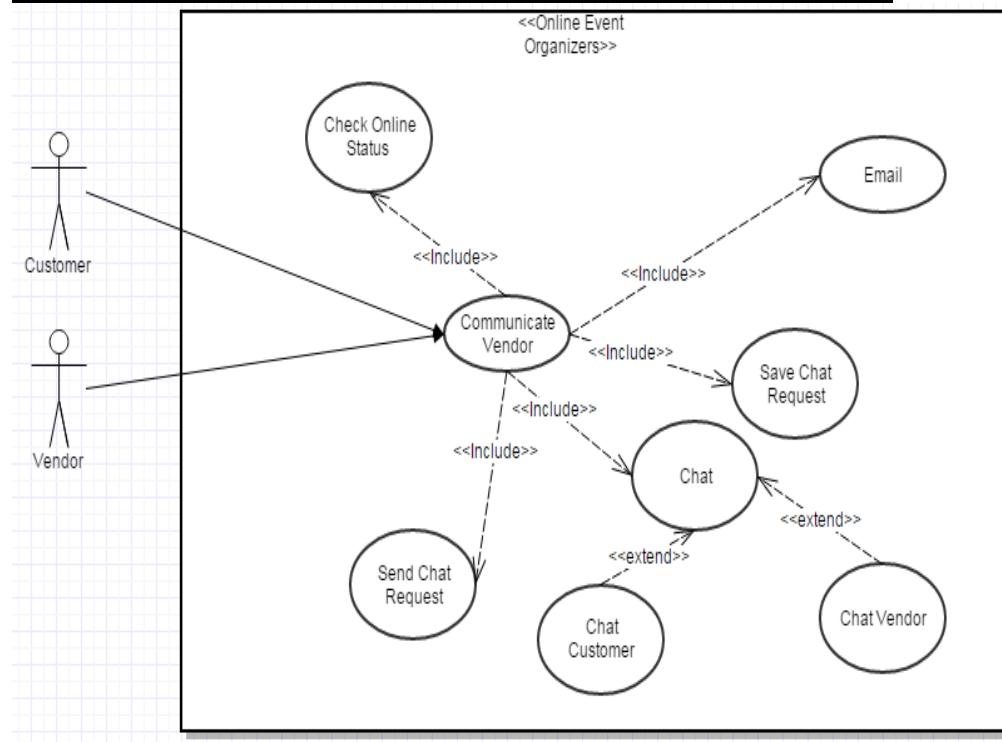
16.4- Use Case Diagram#4 (Search Vendor):-**16.5- Use Case Diagram#5 (View Services Details):-**

16.6- Use Case Diagram#6 (Check_Availability):-**16.7- Use Case Diagram#7 (Book_Company):-**

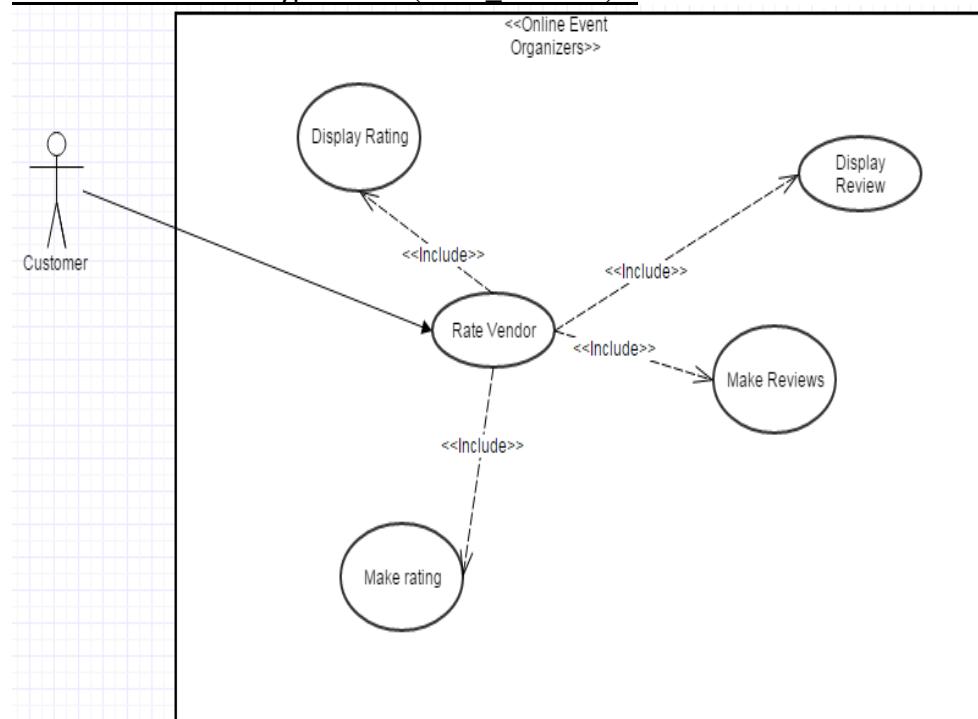
16.8-UseCase Diagram#8 (Manage Company Profile):-**16.9-UseCaseDiagram#9 (Manage Advance Payment):-**

16.10- Use Case Diagram#10 (Edit Services):-**16.11-Use Case Diagram#11 (Calculate Total Budget):-**

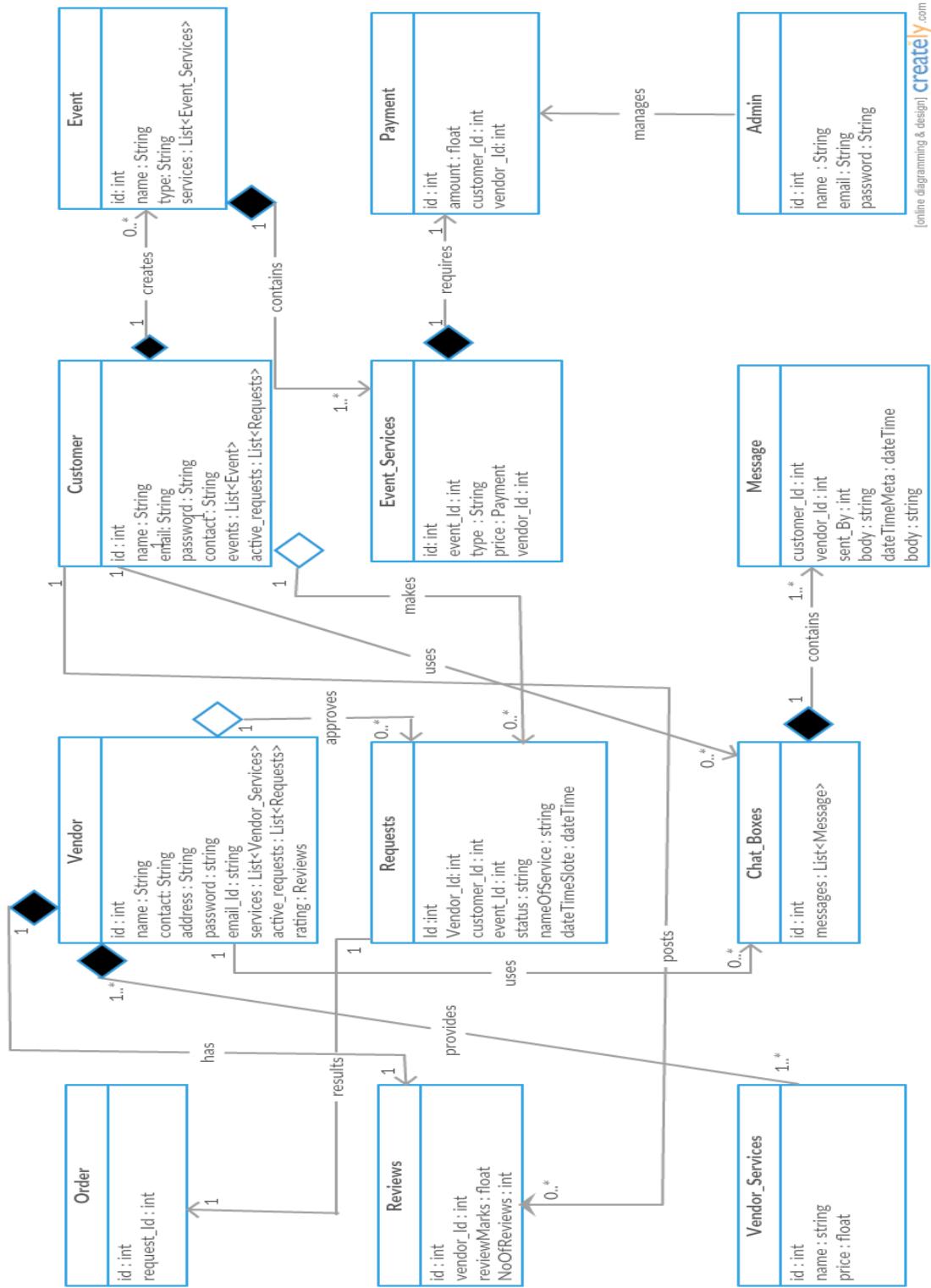
16.12- UseCaseDiagram#12(Communicate Vendor Customer):-



16.13- Use Case Diagram#13 (Rate Vendor):-



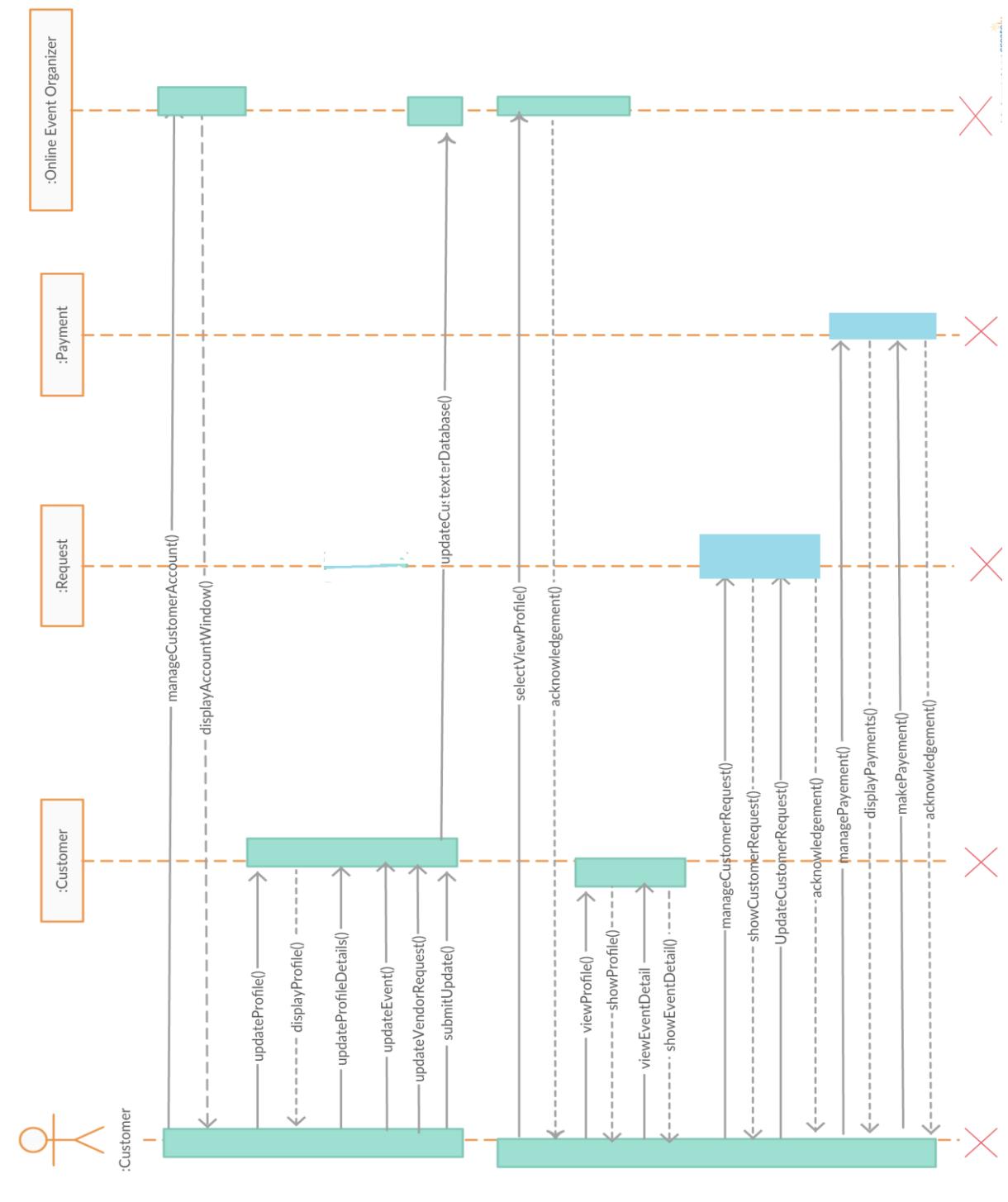
17- Domain Model:



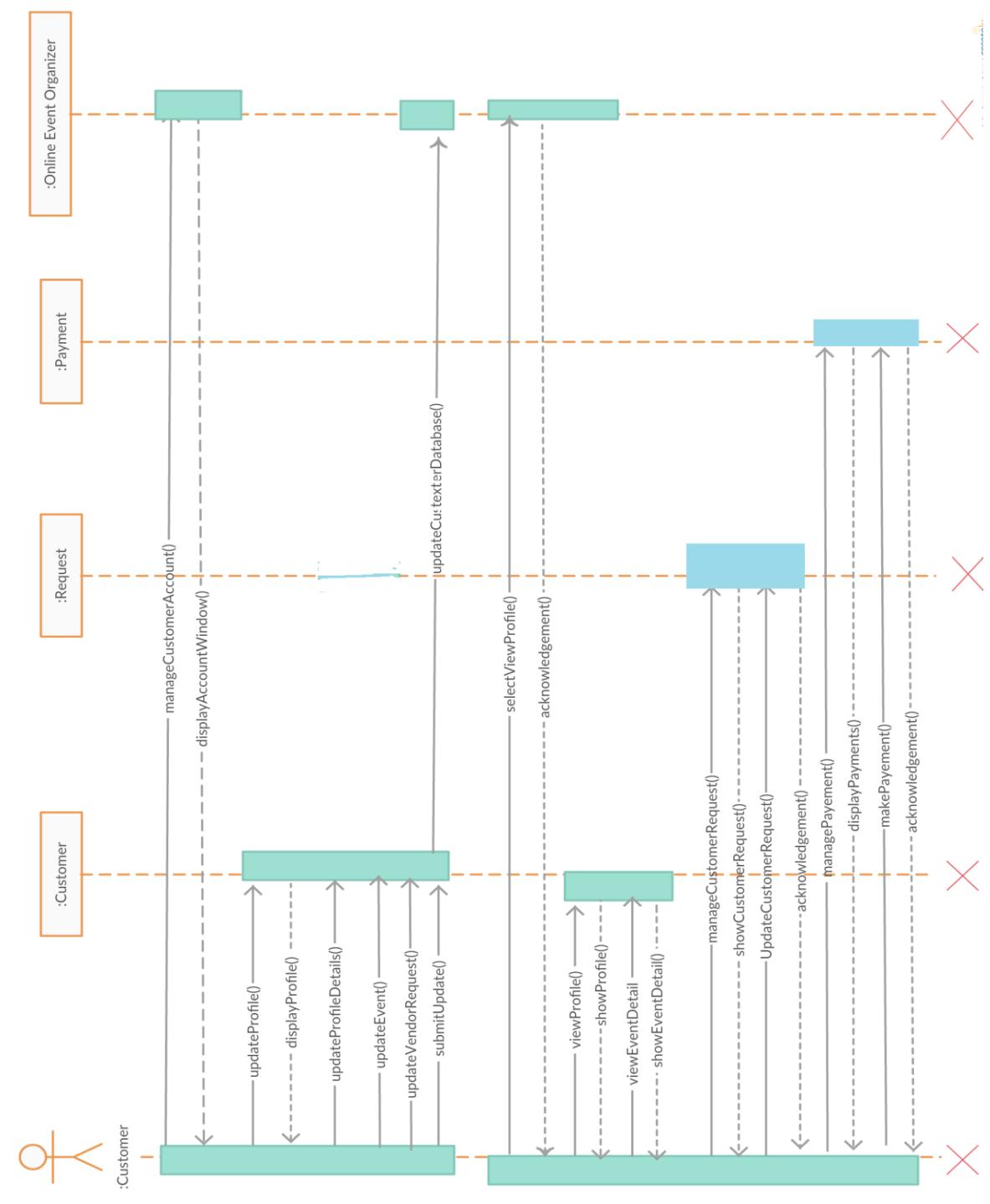
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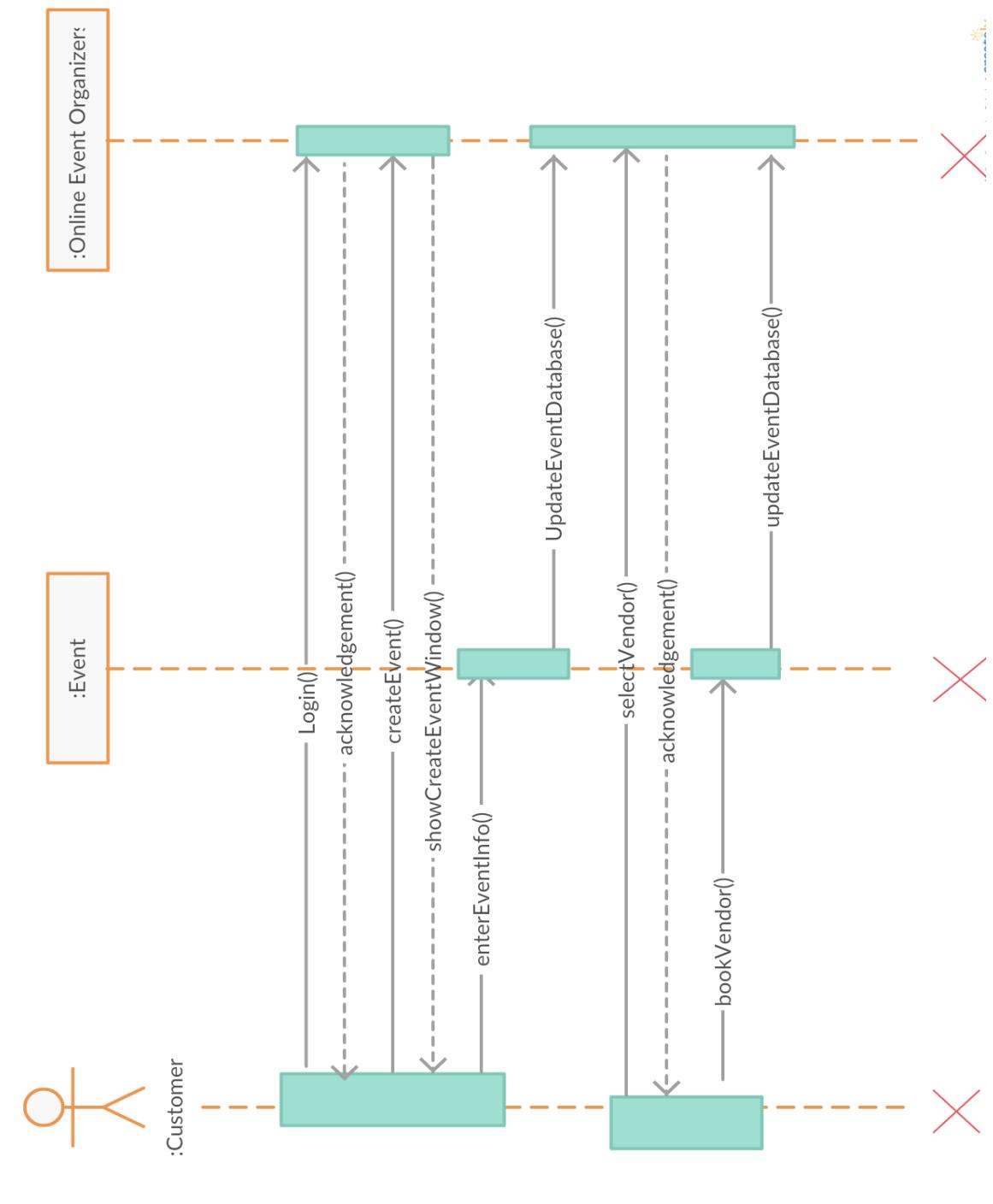
18- Sequence Diagram:

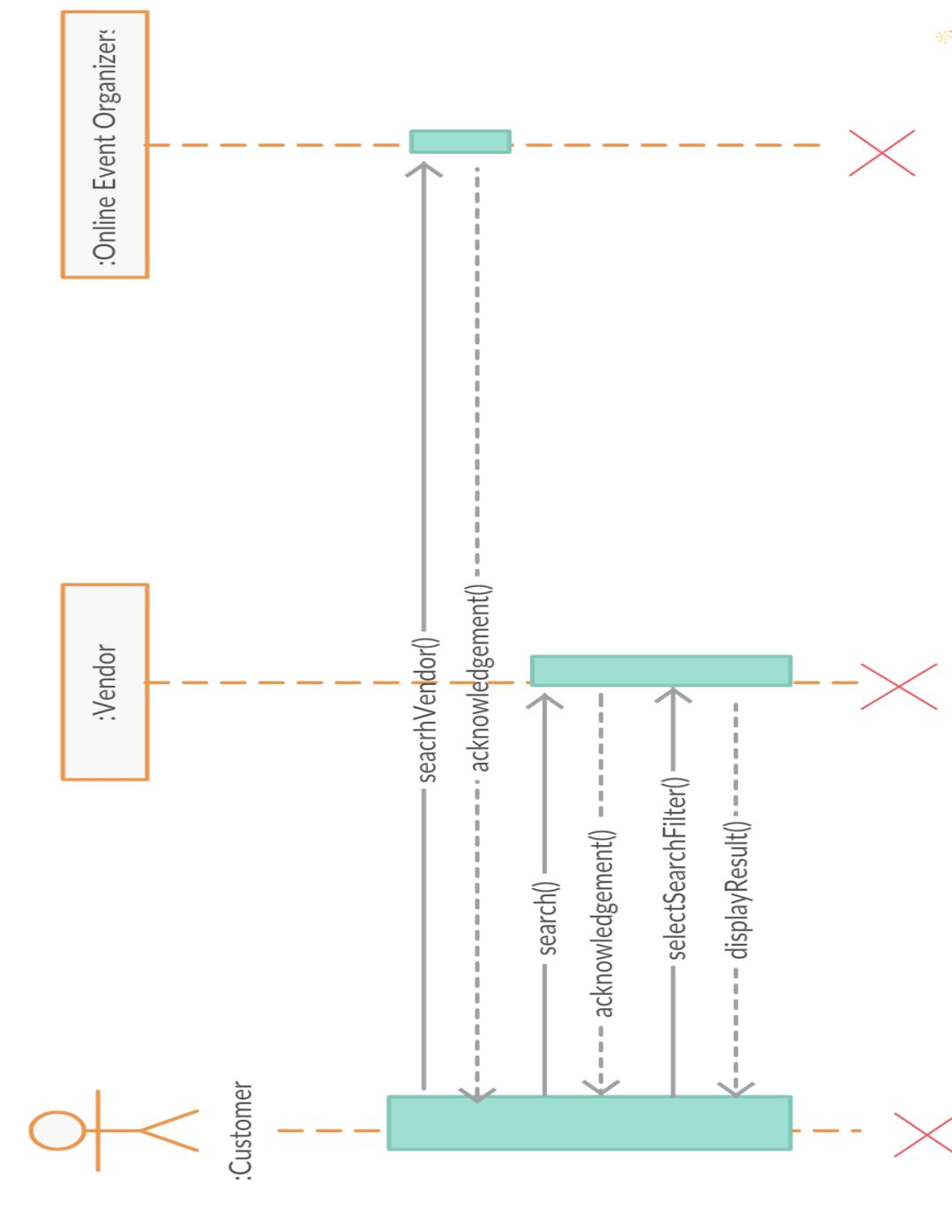
18.1- Sequence Diagram#1 (Sign Up):-

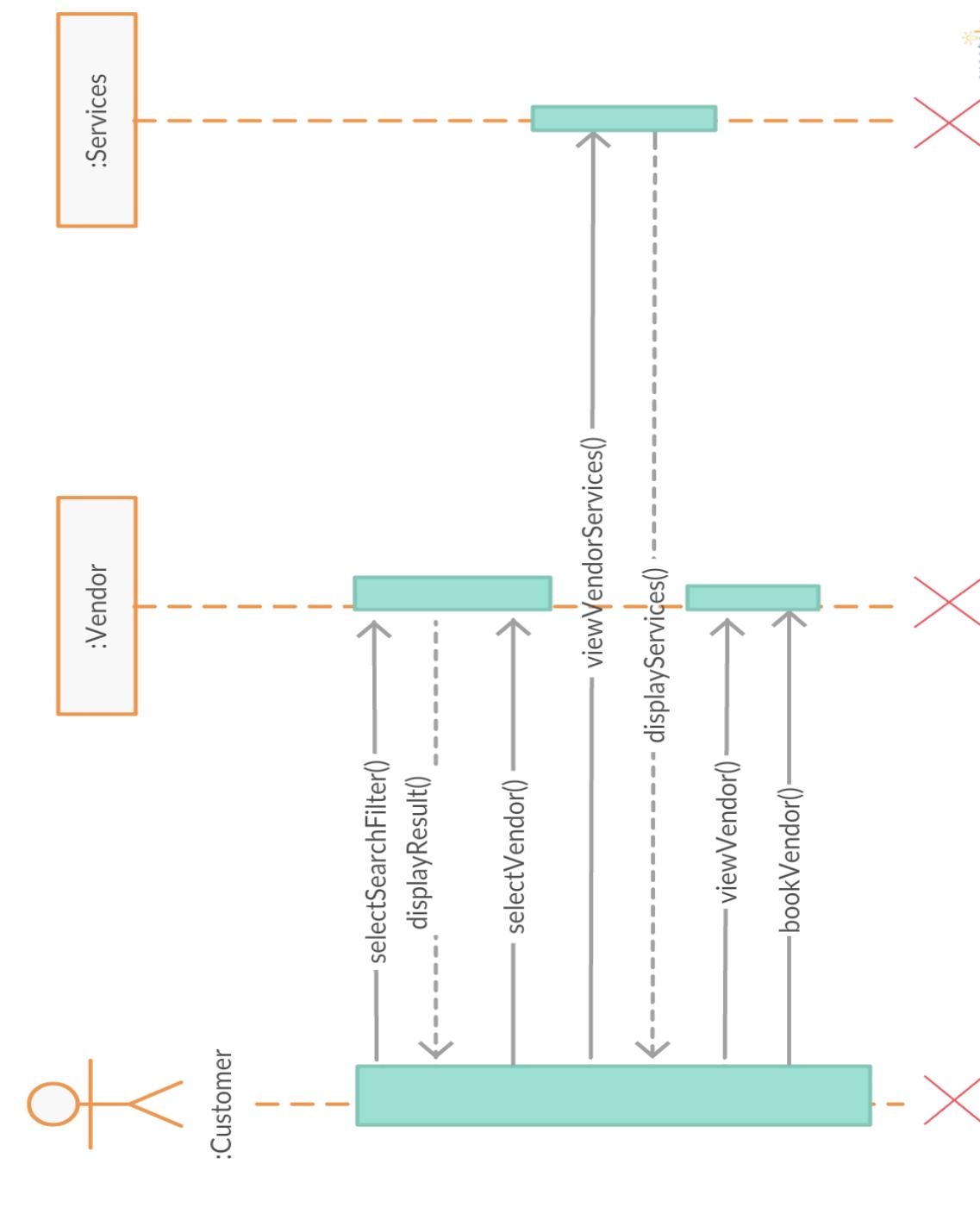


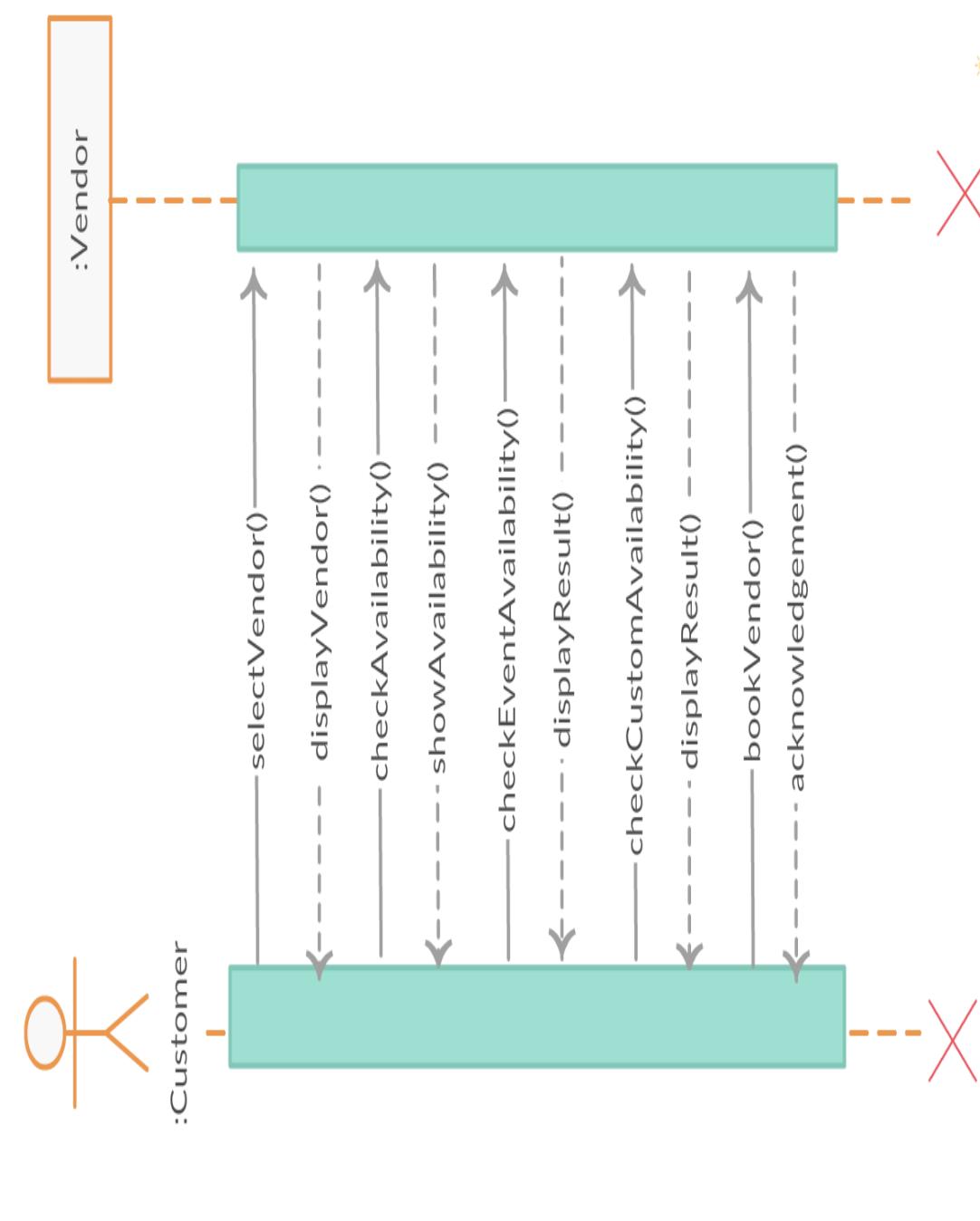
18.2-SequenceDiagram#2 (Manage Customer Profile):-

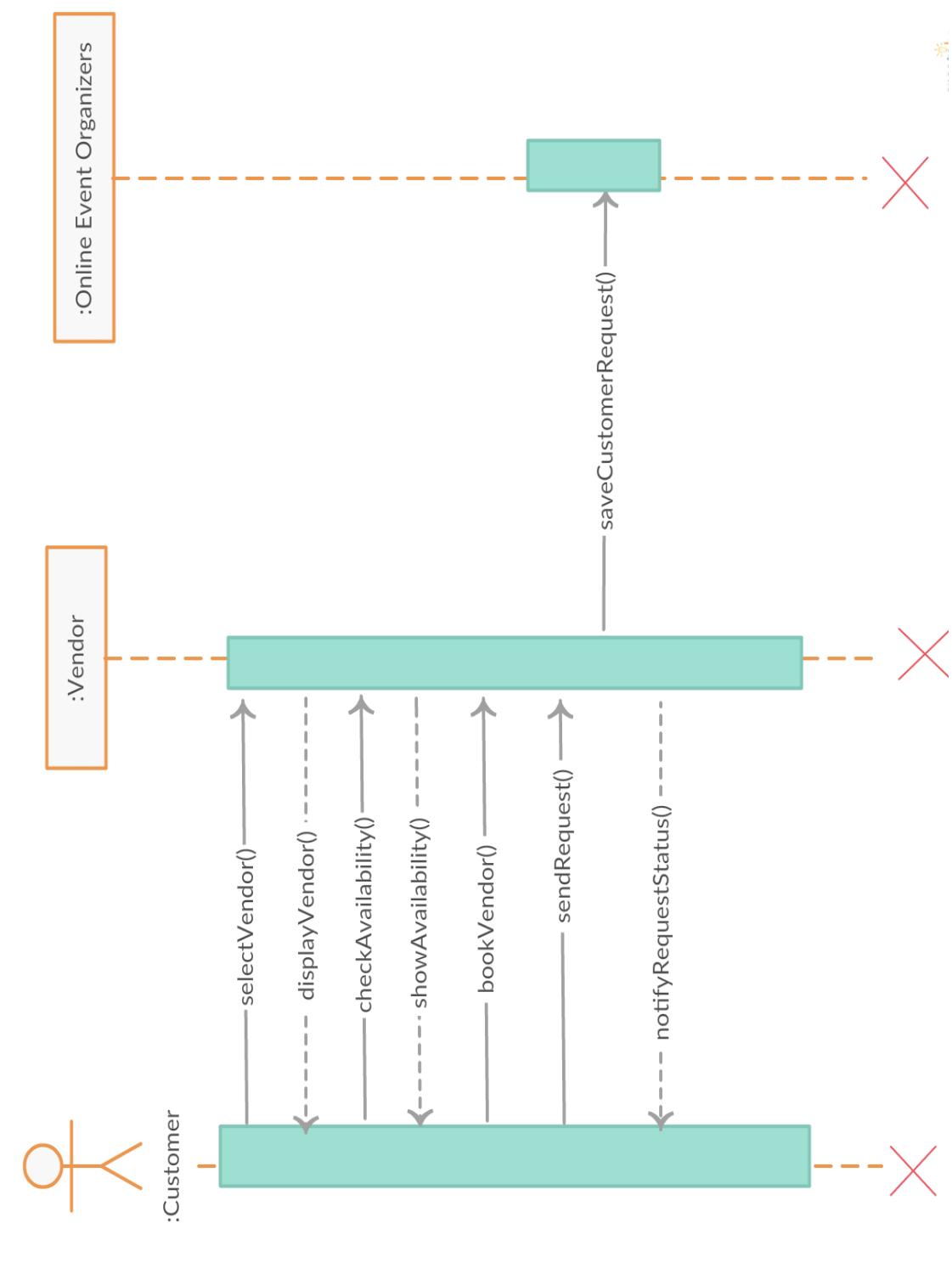


18.3- Sequence Diagram#3 (Create Event):-

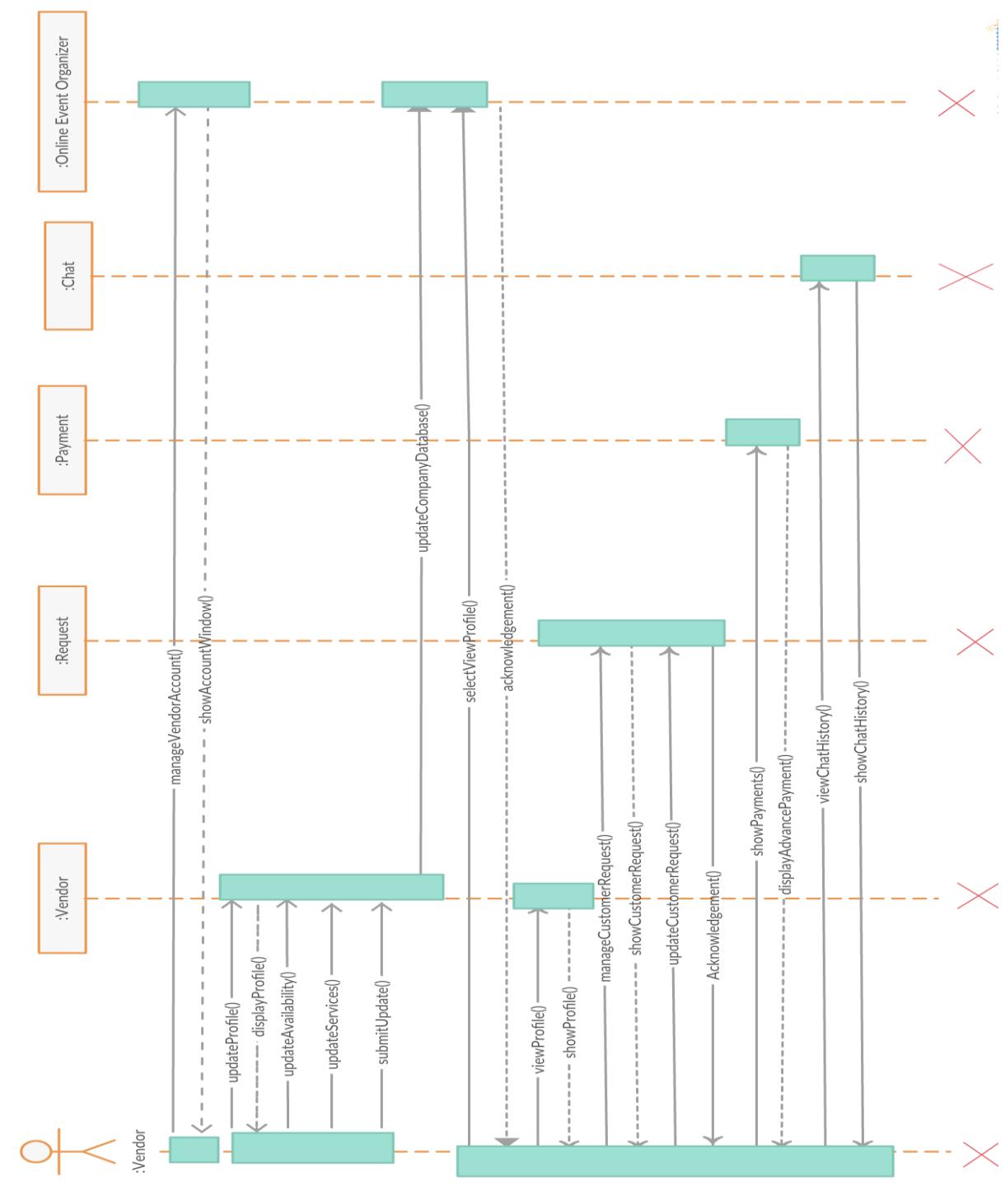
18.4- Sequence Diagram#4 (Search_Vendor):-

18.5- Sequence Diagram#5 (View Services Details):-

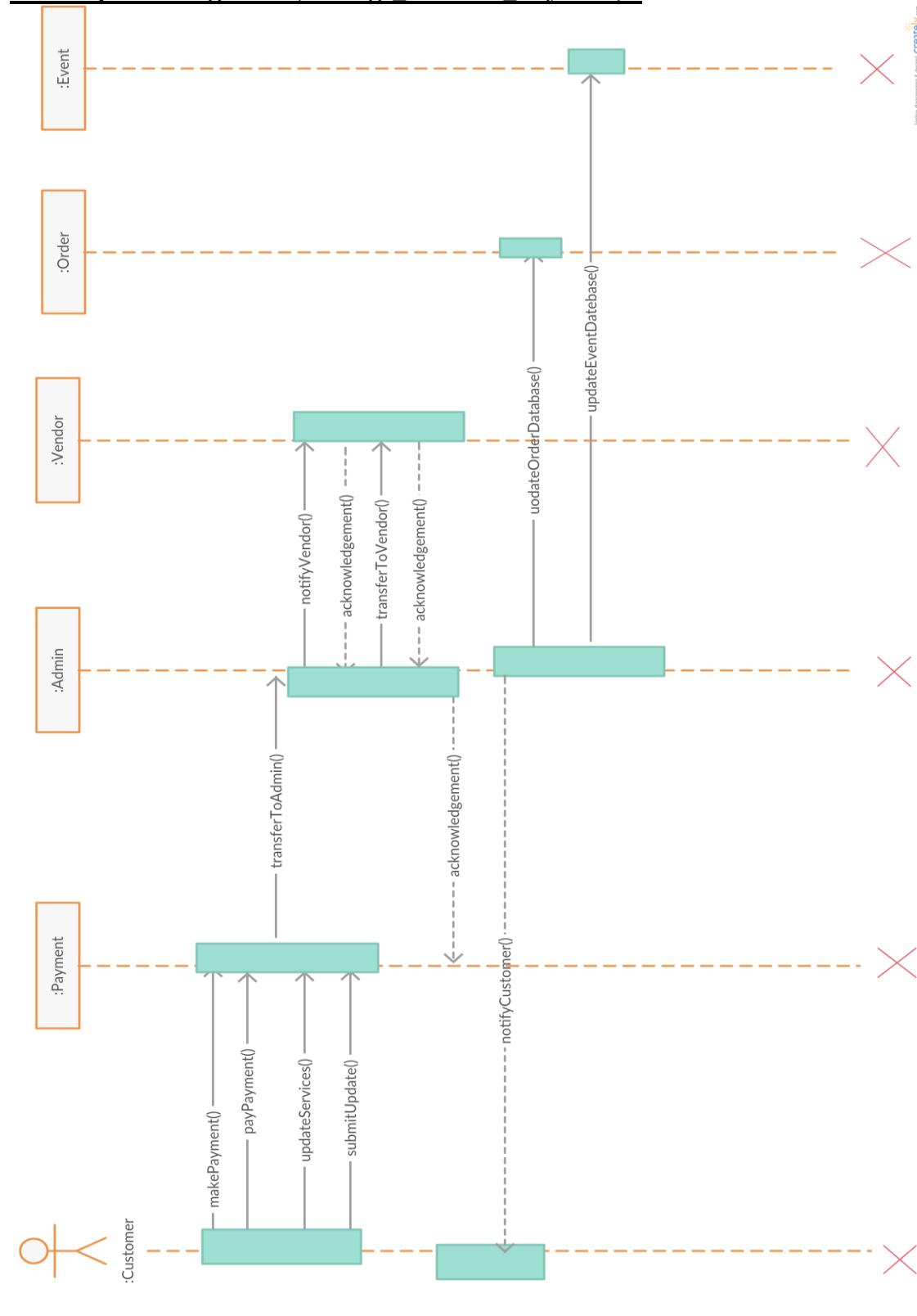
18.6- Sequence Diagram#6 (Check_Availability):-

18.7- Sequence Diagram#7 (Book Company):-

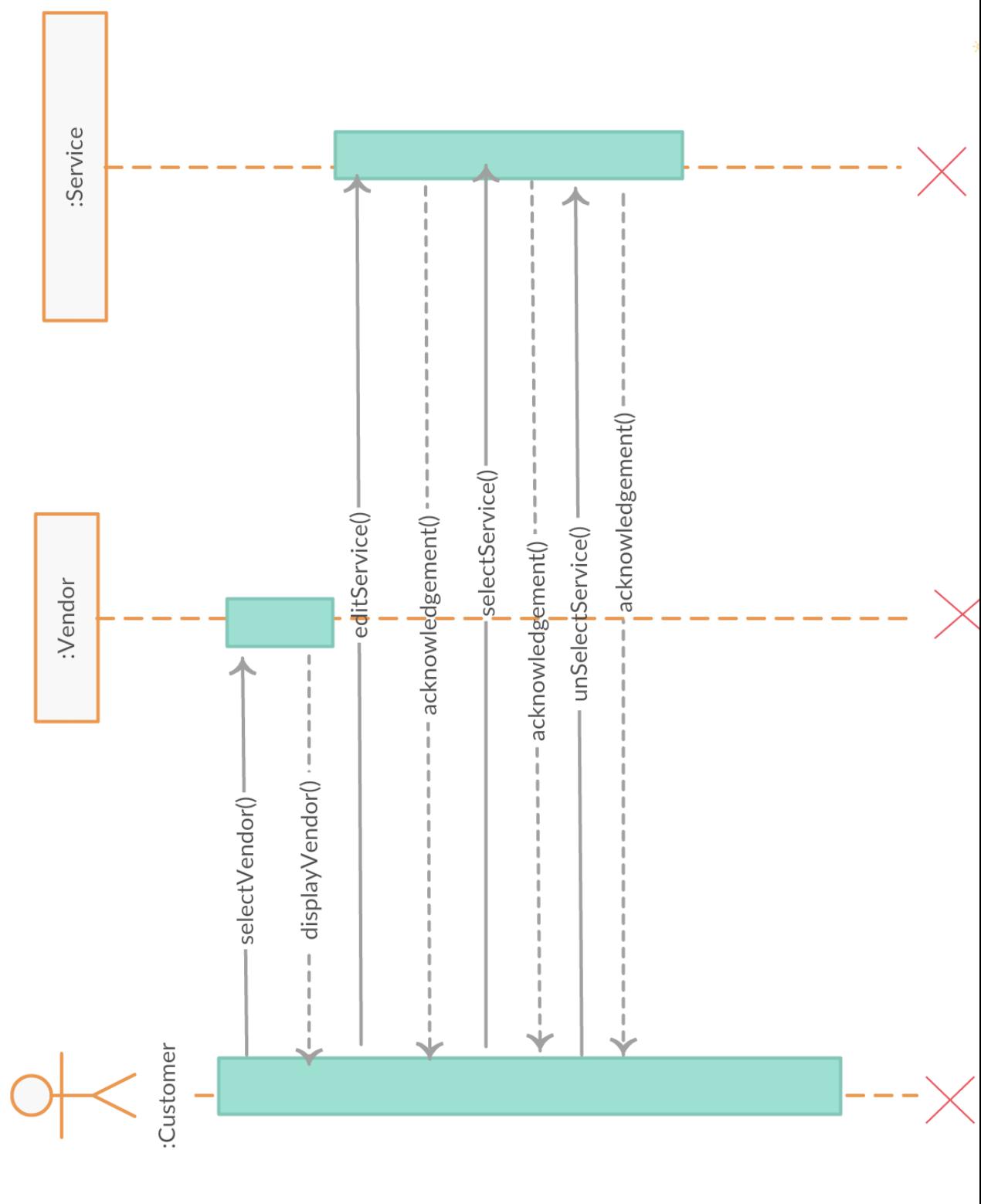
18.8-SequenceDiagram#8 (Manage Company Profile):-

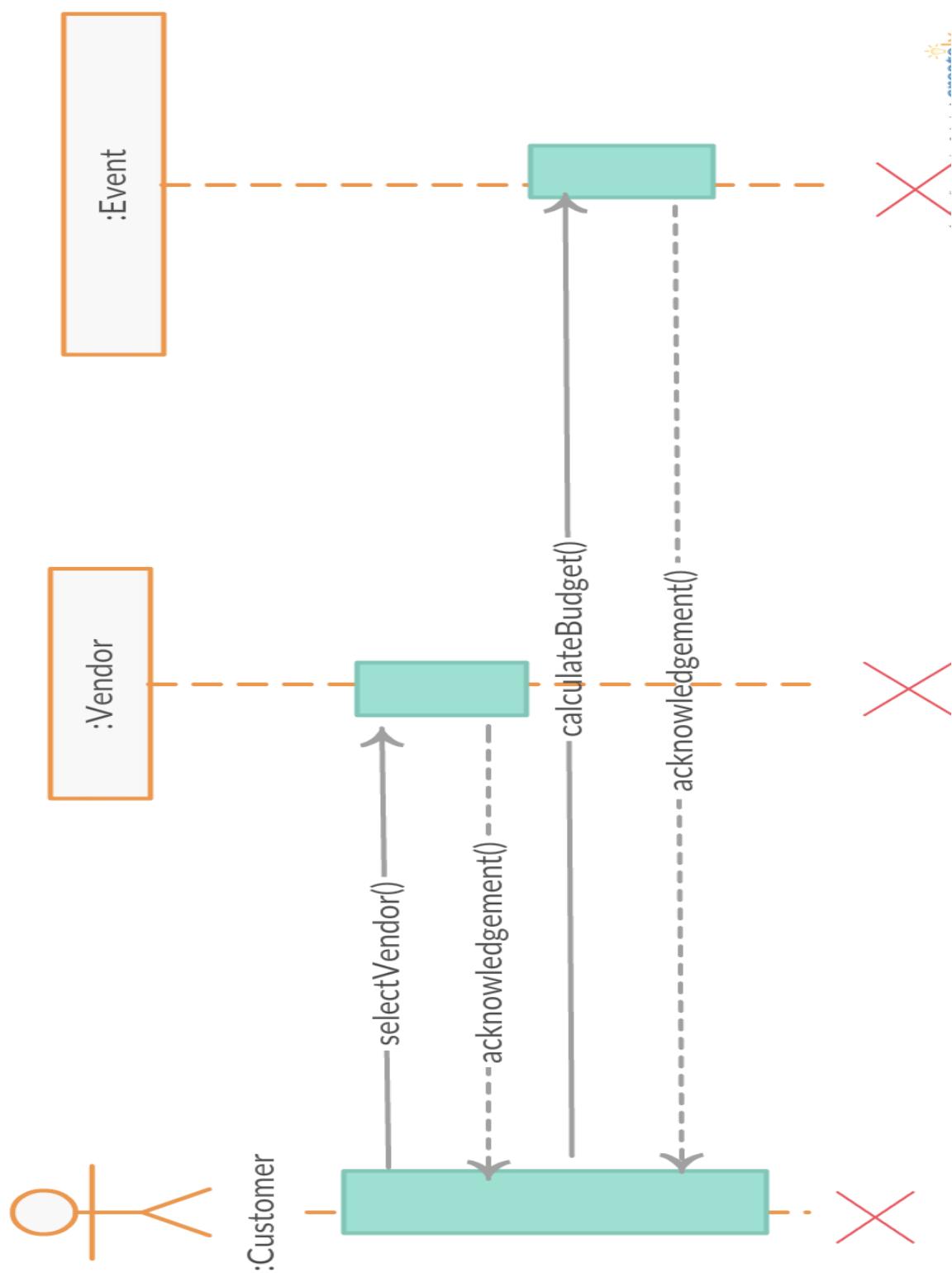


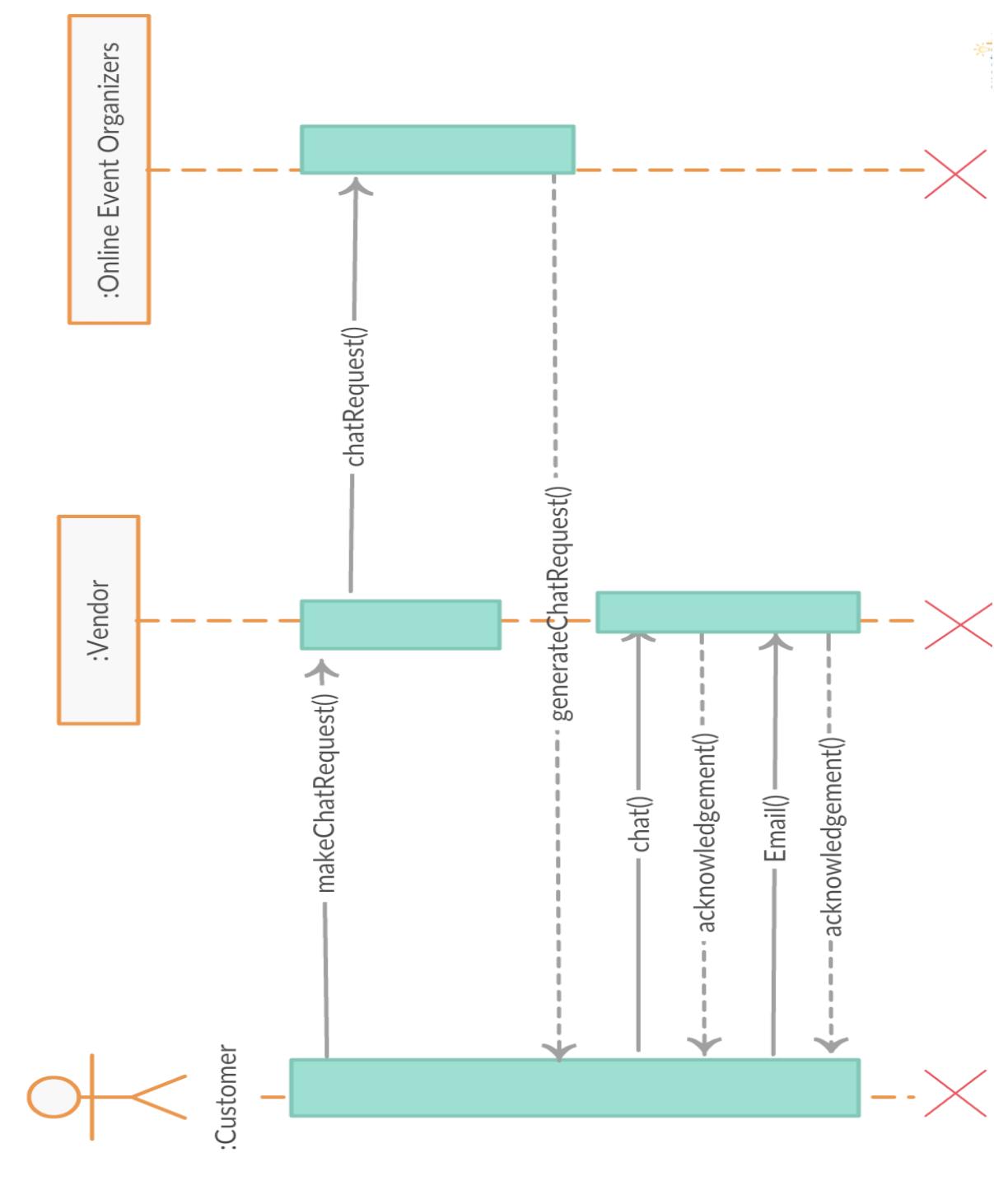
18.9-SequenceDiagram#9(Manage Advance Payment):-

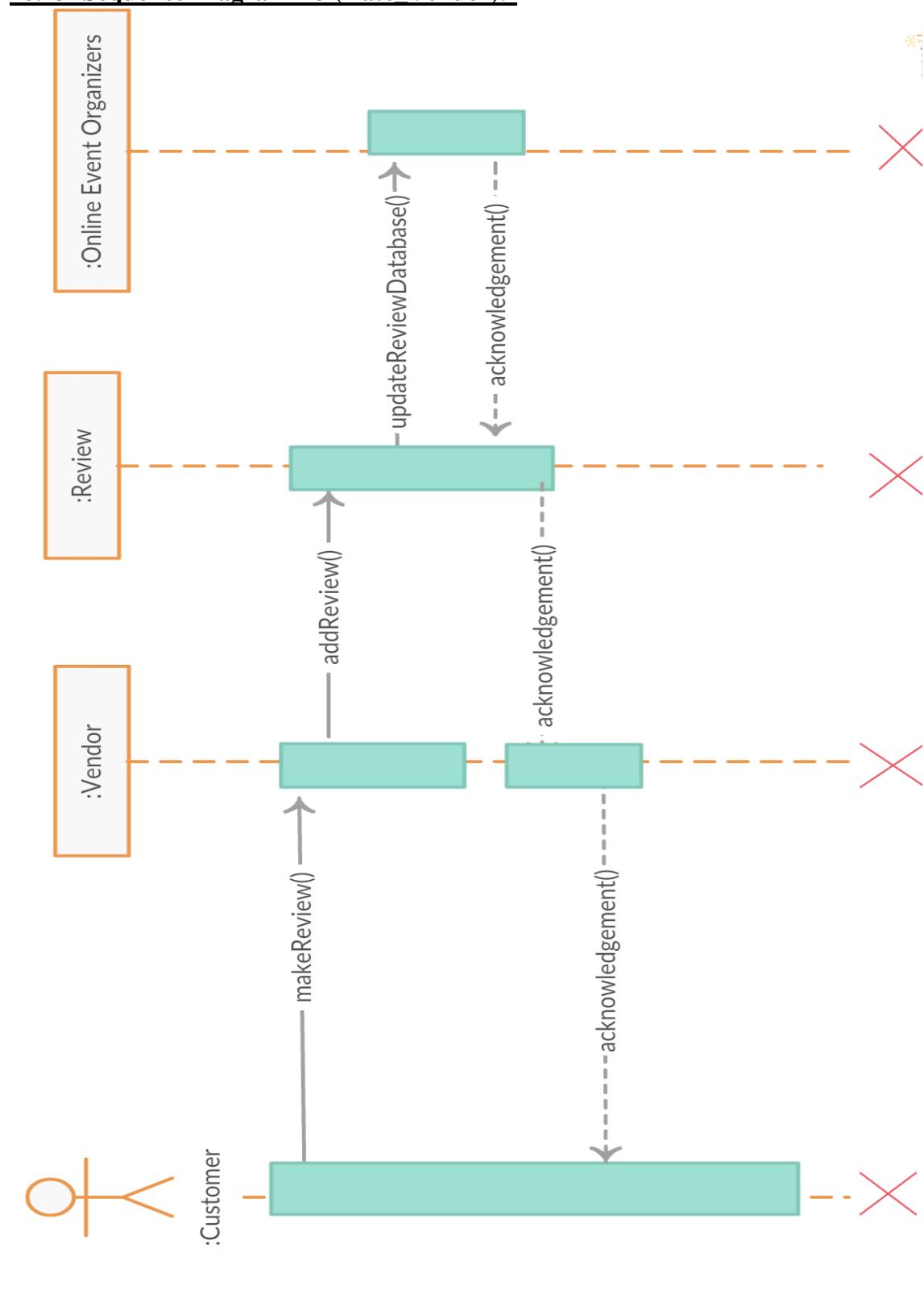


18.10- Sequence Diagram#10 (Edit Services):-



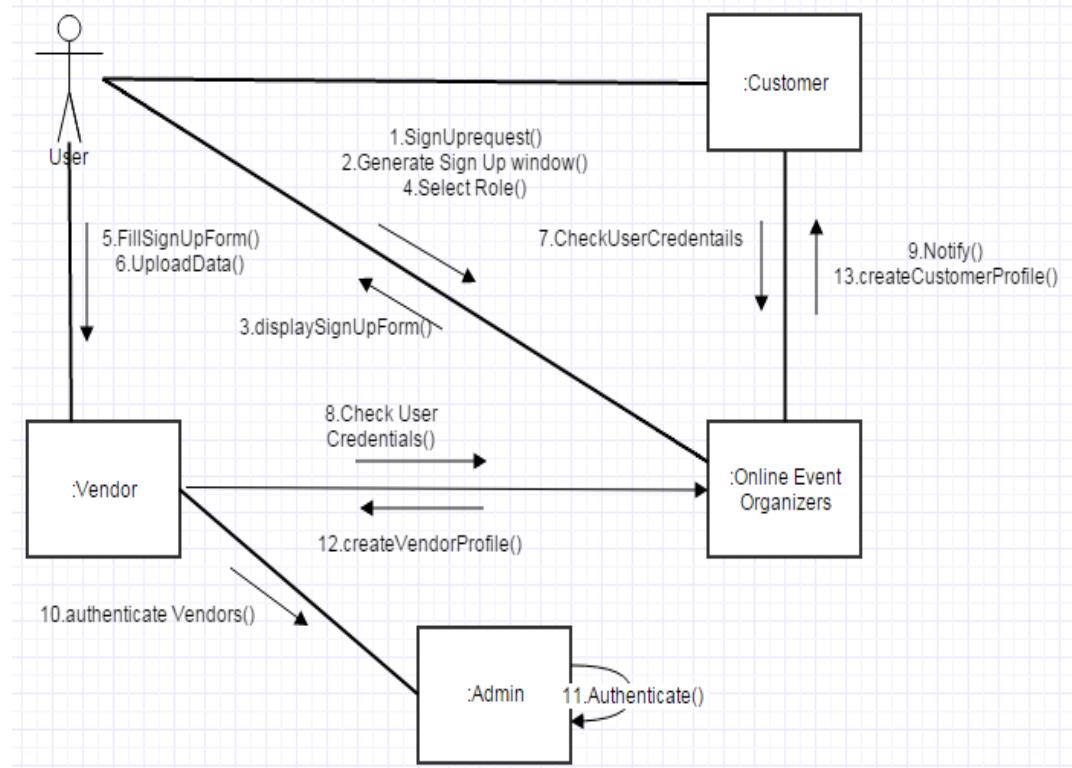
18.11-SequenceDiagram#11 (Calculate Total Budget):-

18.12-Sequence Diagram#12(Communicate_Vendor_Customer):-

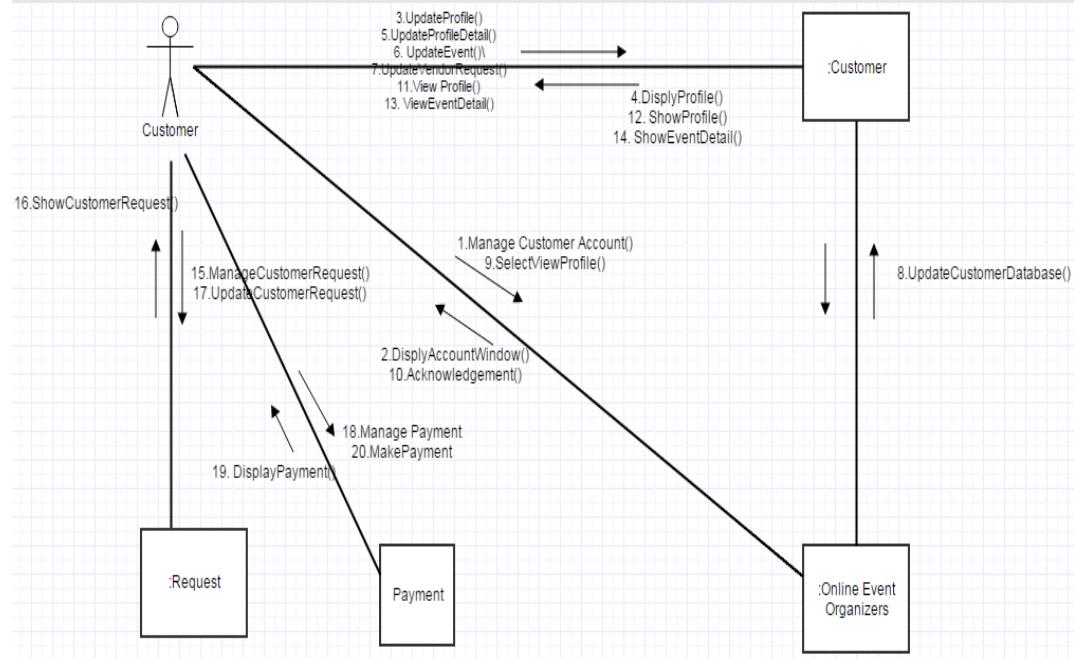
18.13- Sequence Diagram#13 (Rate_Vendor):-

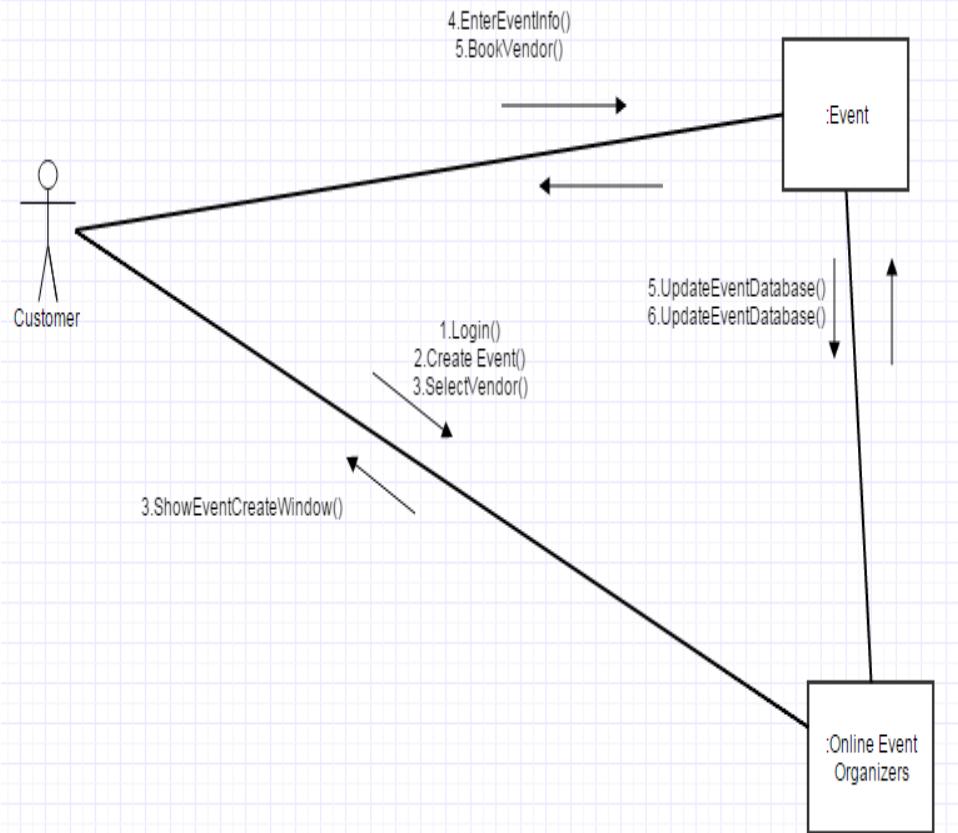
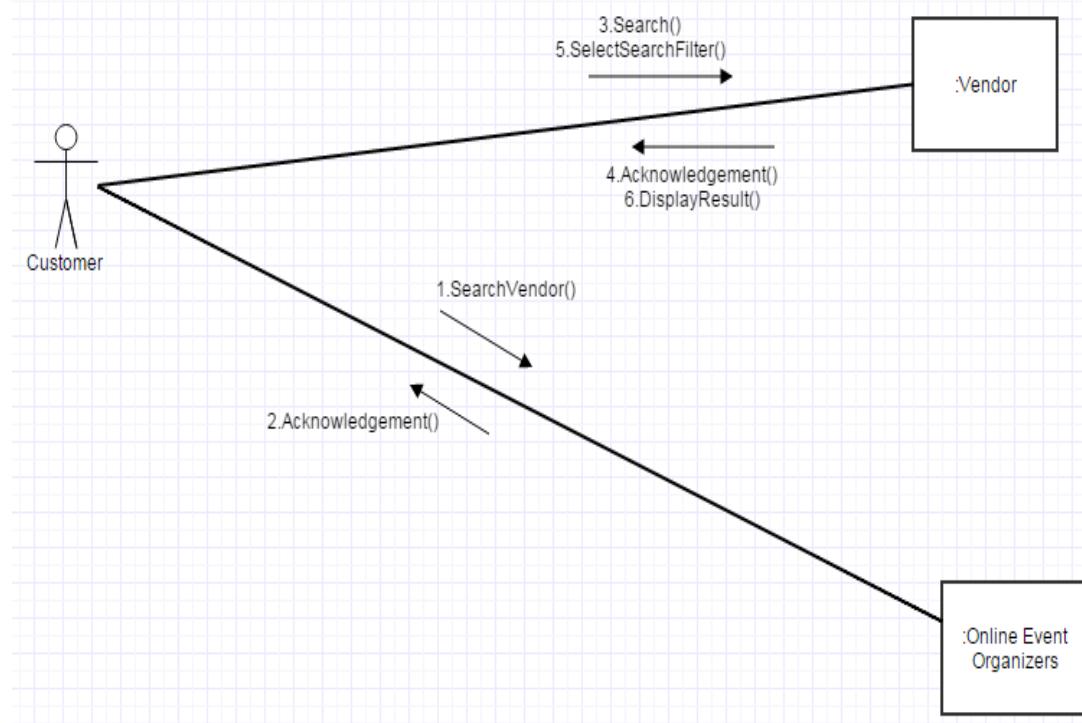
19- Collaboration Diagram:

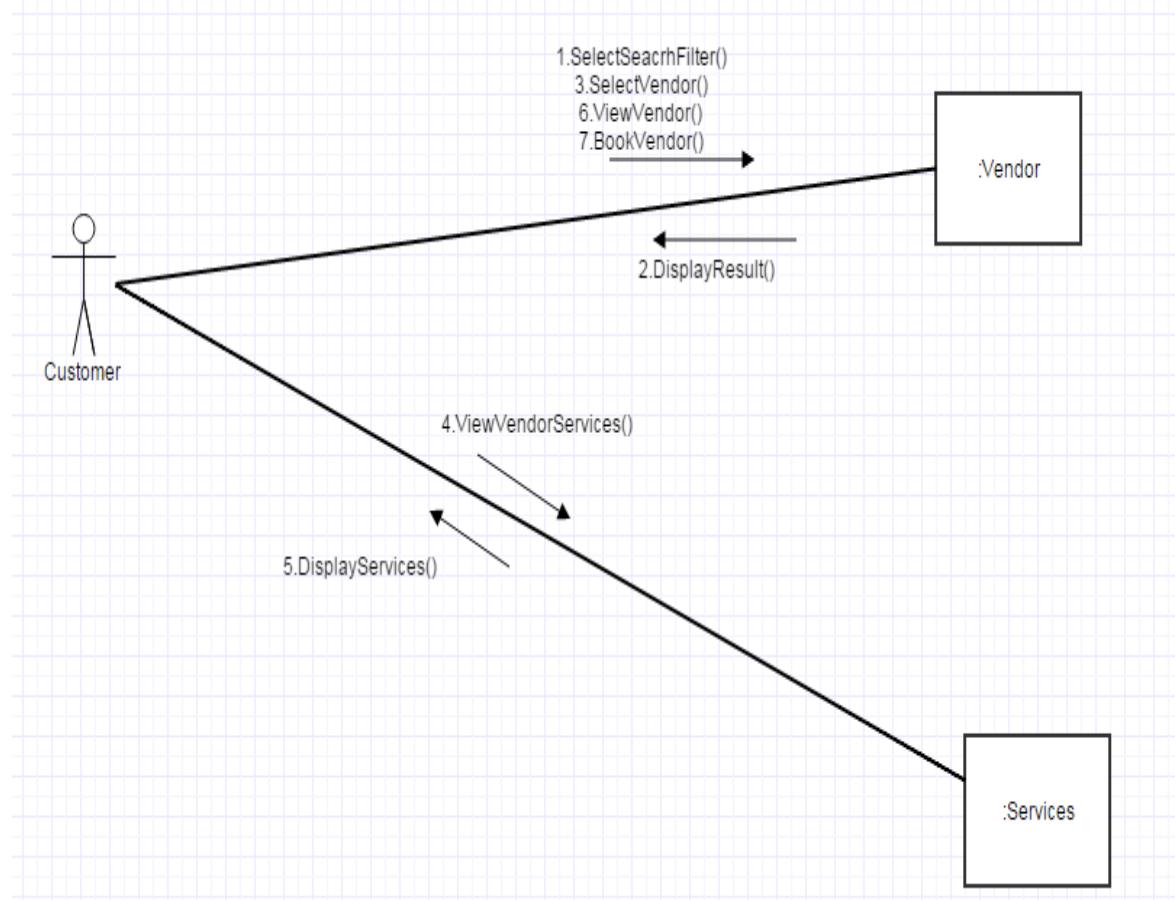
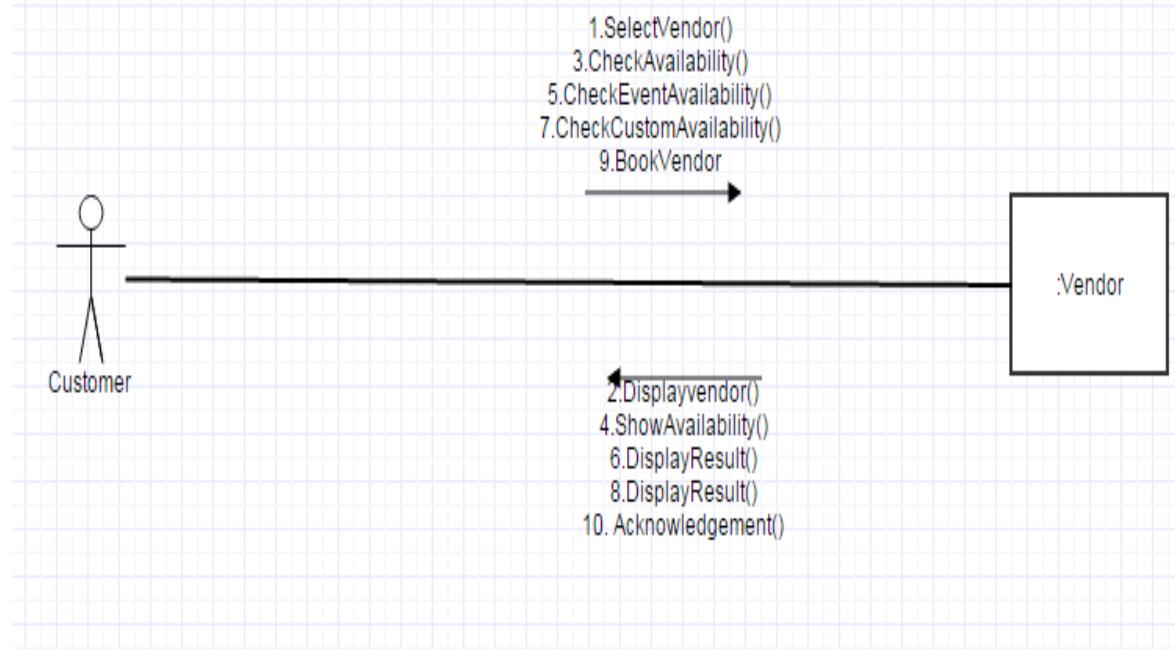
19.1- Collaboration Diagram#1 (Sign Up):-

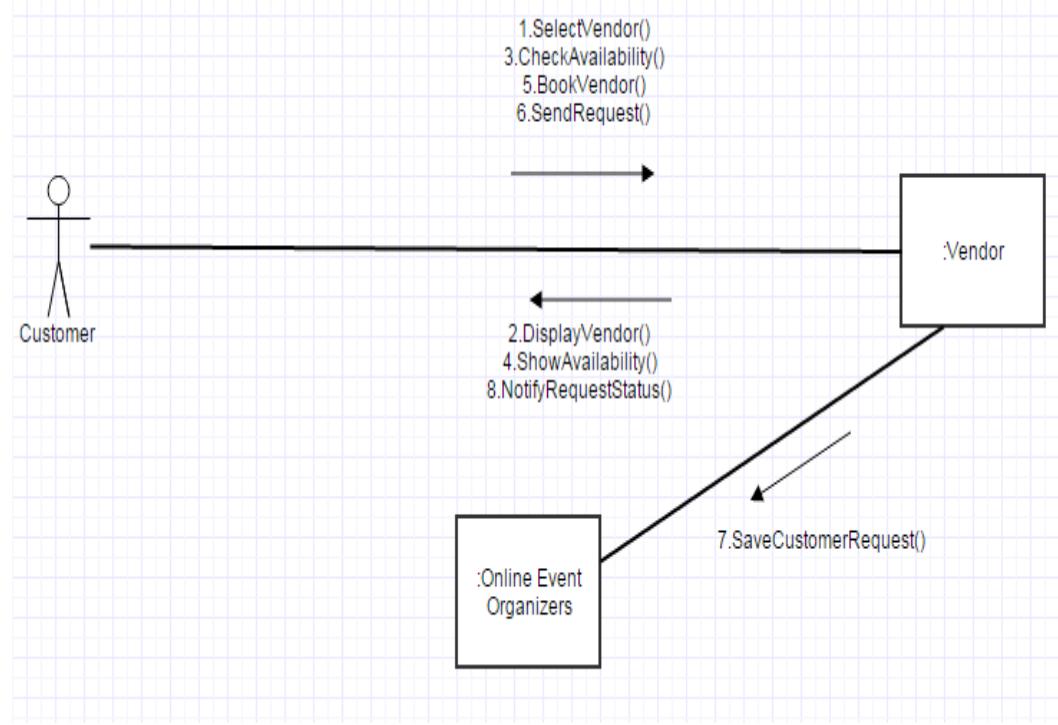
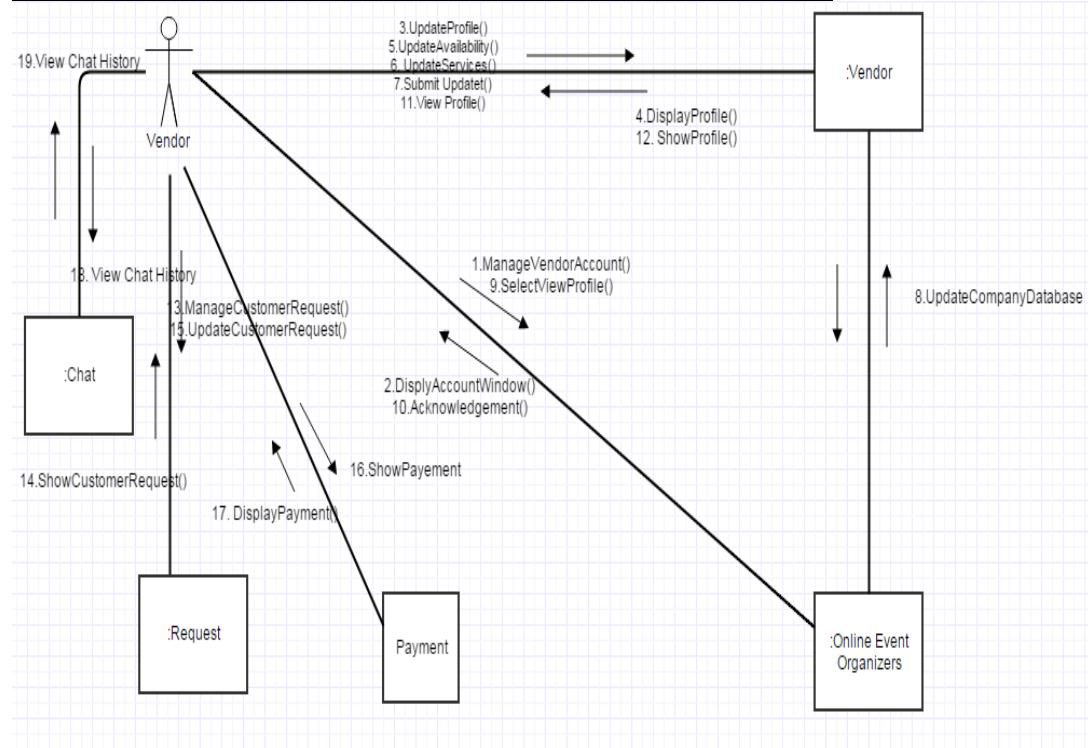


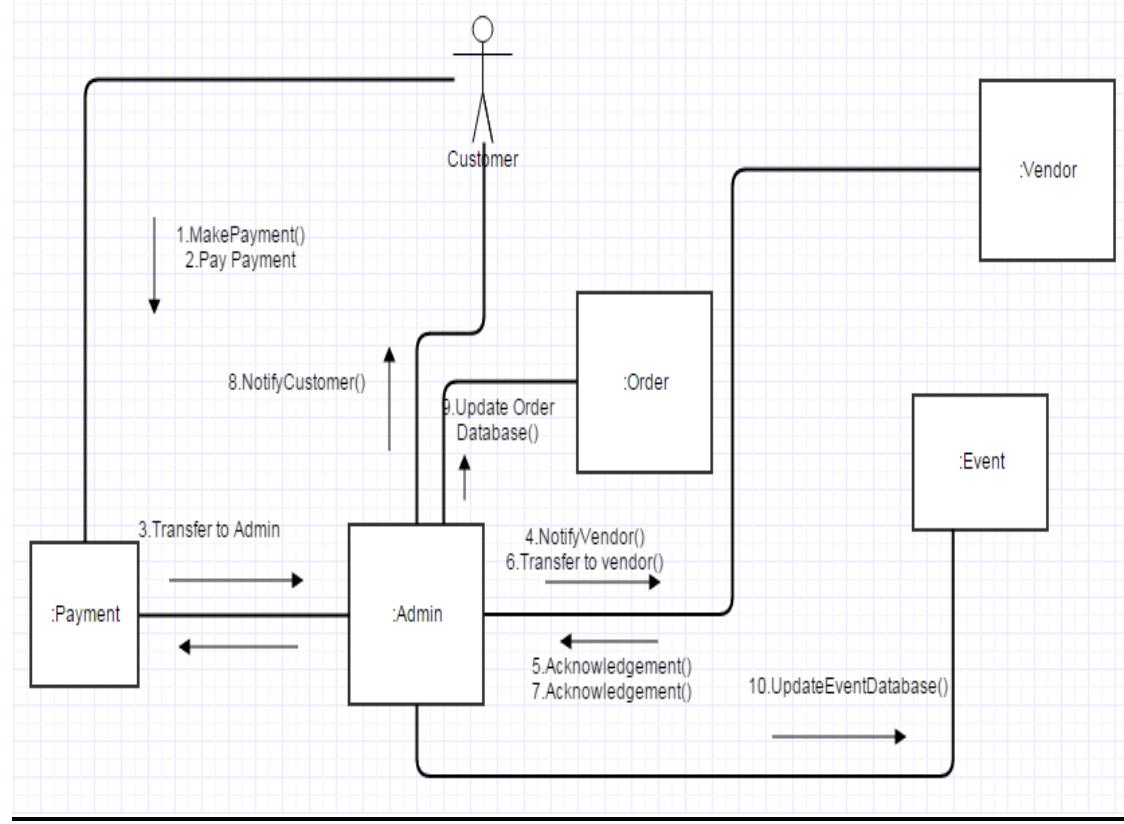
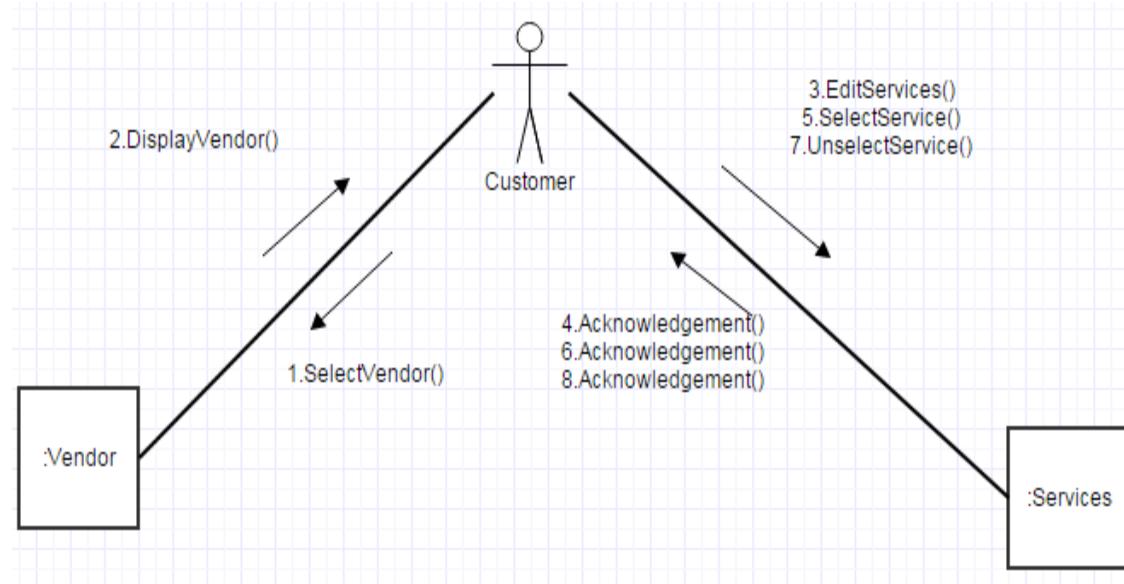
19.2-CollaborationDiagram#2(Manage Customer Profile):-

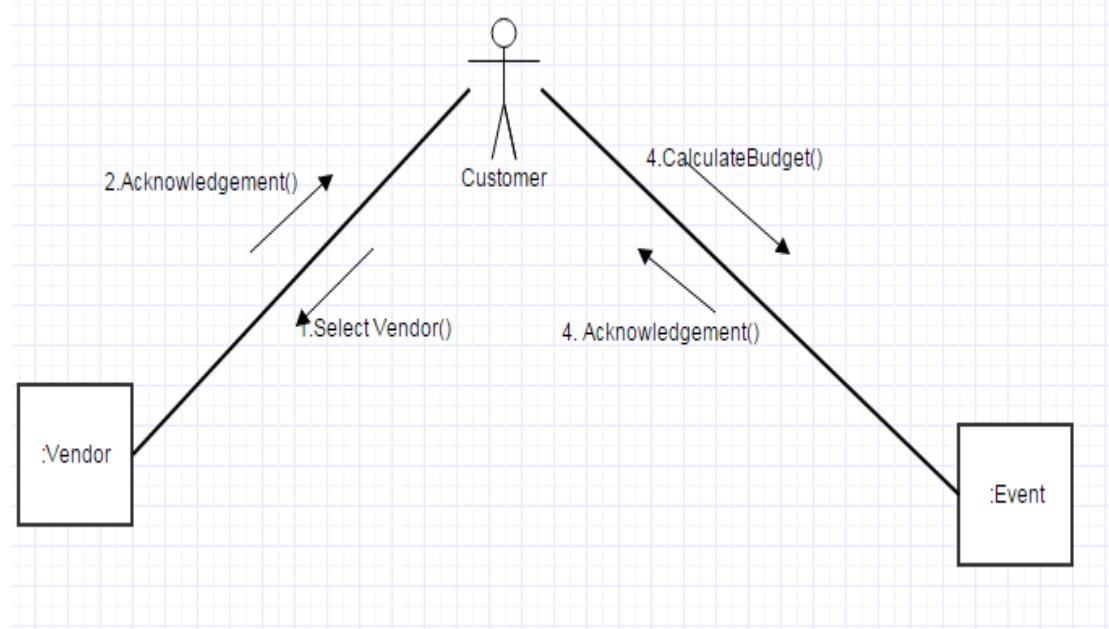
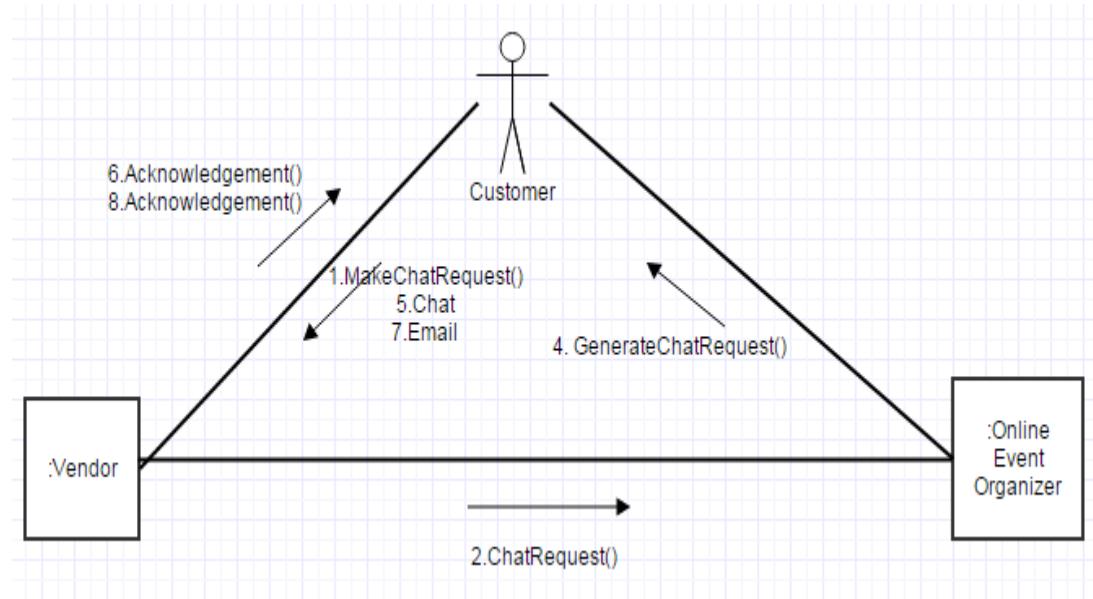


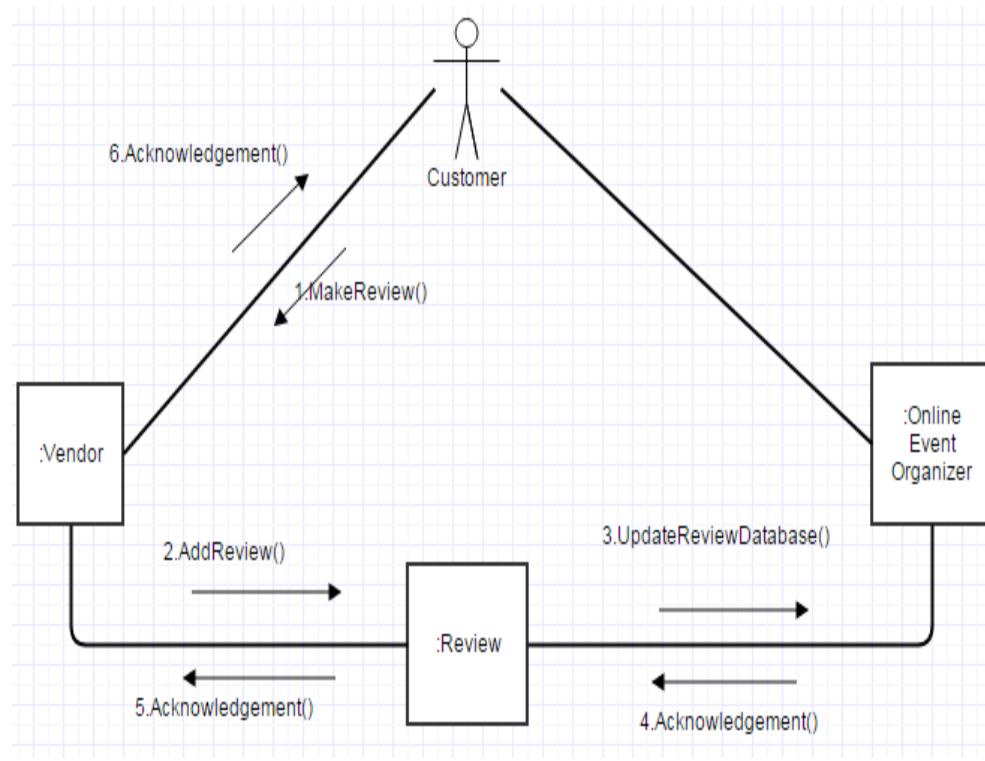
19.3- Collaboration Diagram#3 (Create Event):-**19.4- Collaboration Diagram#4 (Search Vendor):-**

19.5-CollaborationDiagram#5 (View Services Details):-**19.6- Collaboration Diagram#6 (Check Availability):-**

19.7- Collaboration Diagram#7 (Book Company):-**19.8-CollaborationDiagram#8(Manage Company Profile):-**

19.9-CollaborationDiagram#9(Manage Advance Payment):-**19.10- Collaboration Diagram#10 (Edit Services):-**

19.11-CollaborationDiagram#11(Calculate Total Budget):-**19.12-Collaboration Diagram#12(Communicate_Vendor_Customer):-**

19.13- Collaboration Diagram#13 (Rate Vendor):-

20- Operation Contracts:**20.1- Operation Contract#1:-****Name:**

SignupRequest()

Responsibilities:

Users have to sign-up to the website in order to avail all the facilities provided by the website. User can sign up as a customer and as a vendor. Specific functionalities will be available for logged out users.

Cross-Reference:

Use Case: Sign_Up

Pre-Conditions:

- User should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.

Exceptions:

- Unexpected System Failure.
- User doesn't select its role.
- Empty fields in sign up form.
- Repeated username or invalid username
- Invalid upload format.

Post-Conditions:

- User's profile as a customer will be created and can be logged in into the system by providing login username and password as selected.
- User's profile as a vendor will be created after verification of Administrator. Vendor or company will be authenticated by Admin before publishing.

20.2- Operation Contract#2:-**Name:**

manageCustomerAccount()

Responsibilities:

Customer is able to edit their profile details and manage them.

Cross-Reference:

Use Case: Manage_Customer_Profile

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.

- Connection with database is established.
- Customer has signed up on the system as a vendor or customer.
- Customer has logged in to the system.

Exceptions:

- Unexpected System Failure.
- Incomplete information or empty fields.

Post-Conditions:

- Modified details are updated in the database with an immediate effect.

20.3- Operation Contract#3:-**Name:**

createEvent()

Responsibilities:

User can create an event on the system and provides initial information related to the event.

Cross-Reference:

Use Case: Create_Event

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has signed up on the system as a customer.
- Customer has logged in to the system.

Exceptions:

- Unexpected System Failure.
- Enter past date and time for the event.
- Selection of vendor makes the budget out of range.

Post-Conditions:

- Event is created for the particular customer.

20.4- Operation Contract#4:-**Name:**

searchVendor()

Responsibilities:

Different filters will be available for users to search different companies. User can search companies on basis of Budget range, Event type, Company/Vendor type, Services type and Locations.

Cross-Reference:

Use Case: Search_Vendor

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.
- Customer has created the event.

Exceptions:

- Unexpected System Failure.
- Invalid Search query.

Post-Conditions:

- Search results will be shown to the customer according to the filters applied.

20.5- Operation Contract#5:-**Name:**

viewVendorServices()

Responsibilities:

Customer can view all details related to Company/Vendor and their Services related to the event.

Cross-Reference:

Use Case: View_Services_Details

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.
- Customer has created the event.

Exceptions:

- Unexpected System Failure.

Post-Conditions:

- Selected company/vendor details will be shown to the customer.

20.6- Operation Contract#6:-**Name:**

checkAvailability()

Responsibilities:

Customer can check availability of the Company on desired date and time and can make his selection accordingly.

Cross-Reference:

Use Case: Check_Availability

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.
- Customer has created the event.

Exceptions:

- Unexpected System Failure.
- Unavailability of vendor on event's date and time.

Post-Conditions:

- Availability status of the vendor is shown to the customer so that the vendor can be booked by the user.

20.7- Operation Contract#7:-**Name:**

bookVendor()

Responsibilities:

User can book the selected Company for the event. For this a request is made to the Company to book the event.

Cross-Reference:

Use Case: Book_Company

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.
- Customer has created the event.
- Customer has selected a company to book.

Exceptions:

- Unexpected System Failure.
- Cancellation of booking.

Post-Conditions:

- Selected vendor is booked for the even upon approval by the concerned vendor. In case of rejection, customer is notified about it.

20.8- Operation Contract#8:-**Name:**

manageVendorAccount()

Responsibilities:

Companies/Vendors will have a profile on the system on which they can modify details, services and availability. Vendor can view all the requests made by the customers and manage them effectively

Cross-Reference:

Use Case: Manage_Company_Profile

Pre-Conditions:

- Vendor should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Vendor has logged in to the system.

Exceptions:

- Unexpected System Failure.
- Incomplete information or empty fields.

Post-Conditions:

- Modified details are updated in the database with an immediate effect.
- Requests are approved or rejected and concerned customers are notified.

20.9- Operation Contract#9:-**Name:**

makePayment()

Responsibilities:

In order to book the event, user has to pay some advance amount to book the concerned company/vendor. For this payment handling will be managed.

Cross-Reference:

Use Case: Manage_Advance_Payment

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.
- Customer has created the event.
- Customer has booked a vendor for the event.

Exceptions:

- Unexpected System Failure.
- Customer wants to cancel the deal before vendor approval.

Post-Conditions:

- Advance payment will be transferred to vendor for final confirmation.

20.10- Operation Contract#10:-**Name:**

editServices()

Responsibilities:

While booking some company/vendor, users will have the facility to select their own desired services they want to avail in order to make their budget as efficient as possible.

Cross-Reference:

Use Case: Edit_Services

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.
- Customer has created the event.
- Customer has booked a vendor for the event.

Exceptions:

- Unexpected System Failure.
- No Edit Services feature available for Customer.

Post-Conditions:

- Cost of the vendor is reduced according to the services and facilities selected and the request is sent to the vendor accordingly.

20.11- Operation Contract#11:-**Name:**

calculateBudget()

Responsibilities:

Total event cost will be calculated and shown to the user upon selections of all the services and vendors booked for the concerned event.

Cross-Reference:

Use Case: Calculate_Total_Budget

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.
- Customer has created the event.

Exceptions:

- Unexpected System Failure.
- Budget exceeds the budget range.

Post-Conditions:

- Total budget of the system will be calculated and shown to the user.

20.12- Operation Contract#12:-**Name:**

makeChatRequest()

Responsibilities:

Customer can easily communicate with the concerned vendor/Company via Chat boxes and emails.

Cross-Reference:

Use Case: Communicate_Vendor_Customer

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.
- Both customers and vendors should be online to the system.

Exceptions:

- Unexpected System Failure.
- Offline status of customer or vendor

Post-Conditions:

- Communication between vendor/company and customer.

20.13- Operation Contract#13:-**Name:**

makeReview()

Responsibilities:

Company/Vendor Rating and Reviews can be made by the customers in order to enhance their ratings.

Cross-Reference:

Use Case: Rate_Vendor

Pre-Conditions:

- Customer should visit the website or runs mobile application.
- The application should be in running state on web browser or on Android Mobile.
- Connection with database is established.
- Customer has logged in to the system.

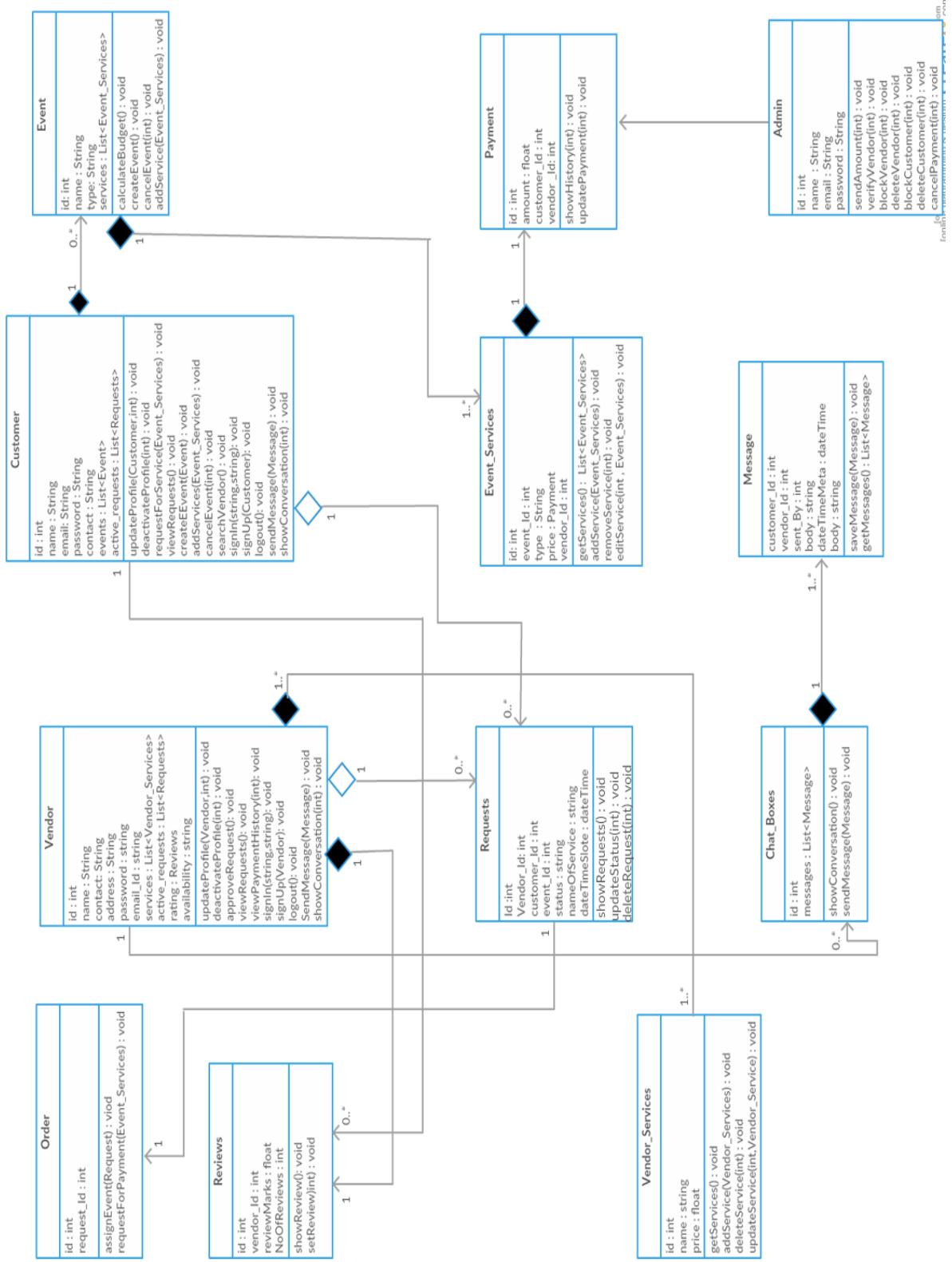
Exceptions:

- Unexpected System Failure.

Post-Conditions:

- Ratings and reviews will be shown in company profiles.

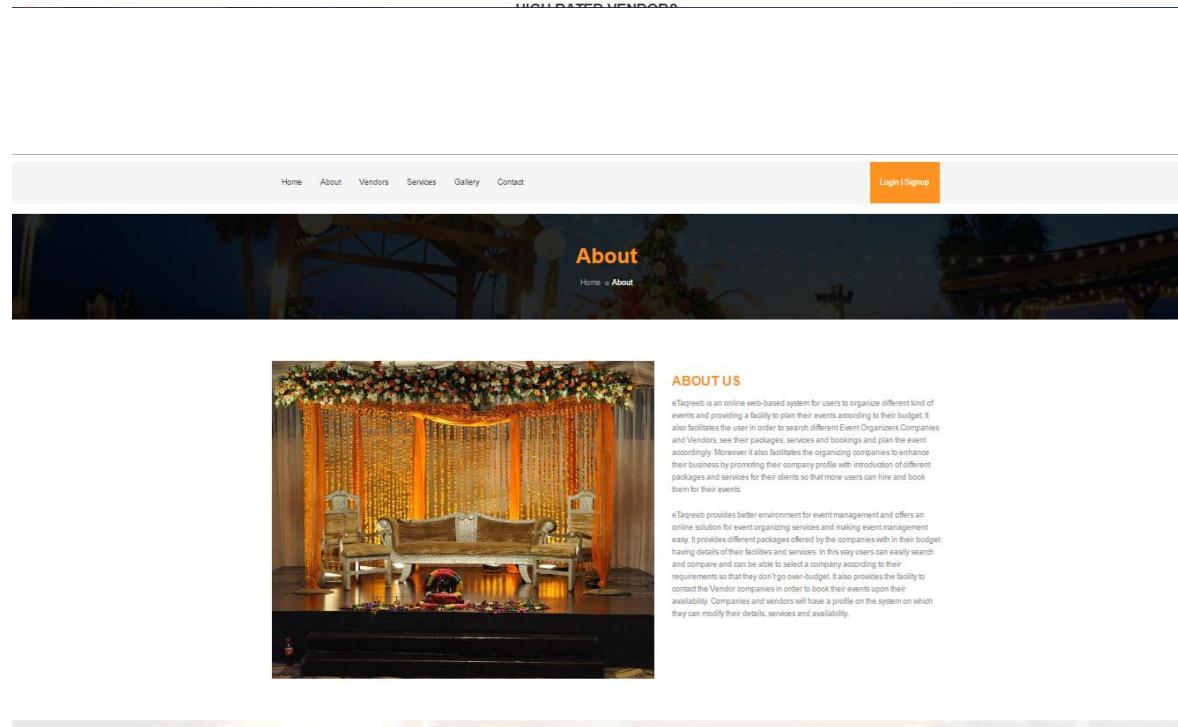
21- Design Class Diagram:



22- Data Model:



23- Screen Shots:



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	DAIGI CATERING Samanqand Events Other Services»	Rs. 800	Pricing: Per Head Category: Caterers	Details	<input type="text" value="Click to Search"/> Q
	PARTY DECORATION Samanqand Events Other Services»	Rs. 10000	Pricing: Package Price Category: Decorators	Details	SEARCH BY <input checked="" type="radio"/> Show All <input type="radio"/> Service Name <input type="radio"/> Vendor Name
	PHOTOGRAPHER Samanqand Events Other Services»	Rs. 15000	Pricing: Package Price Category: Photography	Details	PRICE RANGE(RS) --Select--

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	DAIGI CATERING Samanqand Events Other Services»	Rs. 800	Pricing: Per Head Category: Caterers	Details	<input type="text" value="Click to Search"/> Q
	PARTY DECORATION Samanqand Events Other Services»	Rs. 10000	Pricing: Package Price Category: Decorators	Details	SEARCH BY <input checked="" type="radio"/> Show All <input type="radio"/> Service Name <input type="radio"/> Vendor Name
	PHOTOGRAPHER Samanqand Events Other Services»	Rs. 15000	Pricing: Package Price Category: Photography	Details	PRICE RANGE(RS) --Select--

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CREATE EVENT!

Name: **Type:**

Date (MM/DD/YY): **Shift:**

Budget (Rs.): **No. of Guests:**

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Customer Requests

Details

Service Name: Daigi Catering

#	Customer Name	Customer Email	Event Name	Event Date	Event Shift	Current Status	Choose Action
1	hassan	bsef12m014@pucit.edu.pk	Farewell F12	07/14/2016	Afternoon	Confirm	<input type="button" value="Select"/>
2	hassan	bsef12m014@pucit.edu.pk	Mehndi	06/24/2016	Night	Confirm	<input type="button" value="Select"/>

Service Name: Party Decoration

No requests so far!

Service Name: Photographer

#	Customer Name	Customer Email	Event Name	Event Date	Event Shift	Current Status	Choose Action
1	hassan	bsef12m014@pucit.edu.pk	Mehndi	06/24/2016	Night	Not confirm	<input type="button" value="Select"/>



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Update Event Profile

UPDATE EVENT!

Name	Type
<input type="text" value="Farewell F12"/>	<input type="text" value="Function"/>
Date (MM/DD/YY)	Shift
<input type="text" value="07/14/2016"/>	<input type="text" value="Afternoon"/>
Budget (Rs.)	No. of Guests:
<input type="text" value="120000"/>	<input type="text" value="100"/>

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Your Events

Select Your Event!

#	Event Name	Event Date	Show Details	Edit Event	Select Event
1	Farewell F12	07/14/2016	Show	<input type="button" value="Edit"/>	<input type="button" value="Select"/>
2	Mehndi	06/24/2016	Show	<input type="button" value="Edit"/>	<input type="button" value="Select"/>

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Your Services

Manage Services!

#	Name	Price/Head	Show Details	Update Service	Delete Service
1	Daigi Catering	Rs. 800	Show	Update	Delete
2	Party Decoration	Rs. 10000	Show	Update	Delete
3	Photographer	Rs. 15000	Show	Update	Delete

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Update Service

UPDATE SERVICE!

Service Name:	Service Price/Head:
Daigi Catering	800
Service Type:	Pricing:
Caterers	Per Head

Update



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Password	Confirm Password
...	...
Email	Contact
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Service Name: Service Price/Head:

Service Type: Pricing:

Service Image: No file chosen

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Customer Requests

Details

Service Name: Dalgi Catering

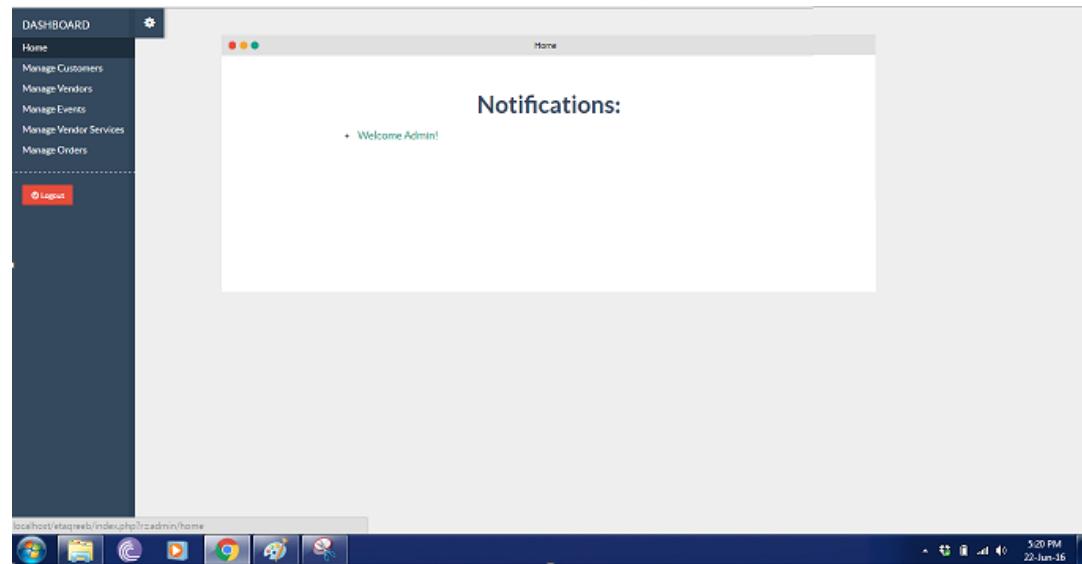
Customer #	Name	Customer Email	Event Name	Event Date	Event Shift	Current Status	Choose Action
1	hassan	bsef12m014@pucl.edu.pk	Farewell F12	07/14/2016	Afternoon	Confirm	<input type="button" value="---Select---"/>
2	hassan	bsef12m014@pucl.edu.pk	Mehndi	06/24/2016	Night	Confirm	<input type="button" value="---Select---"/>

Service Name: Party Decoration

No requests so far!

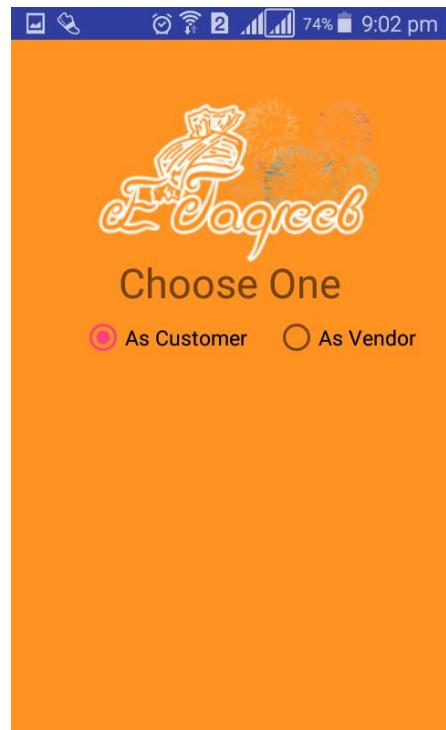
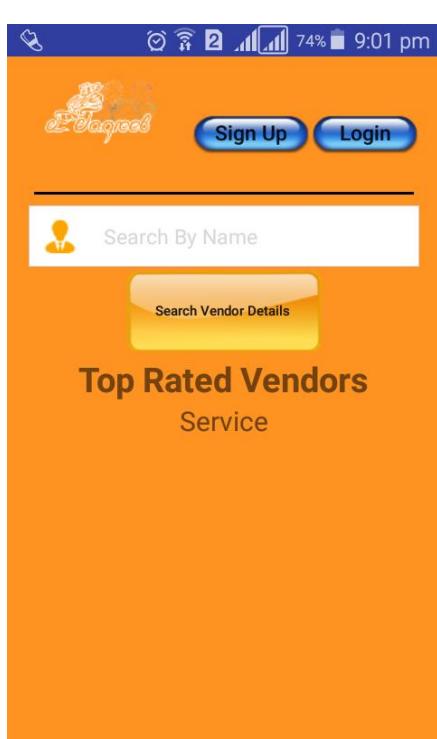
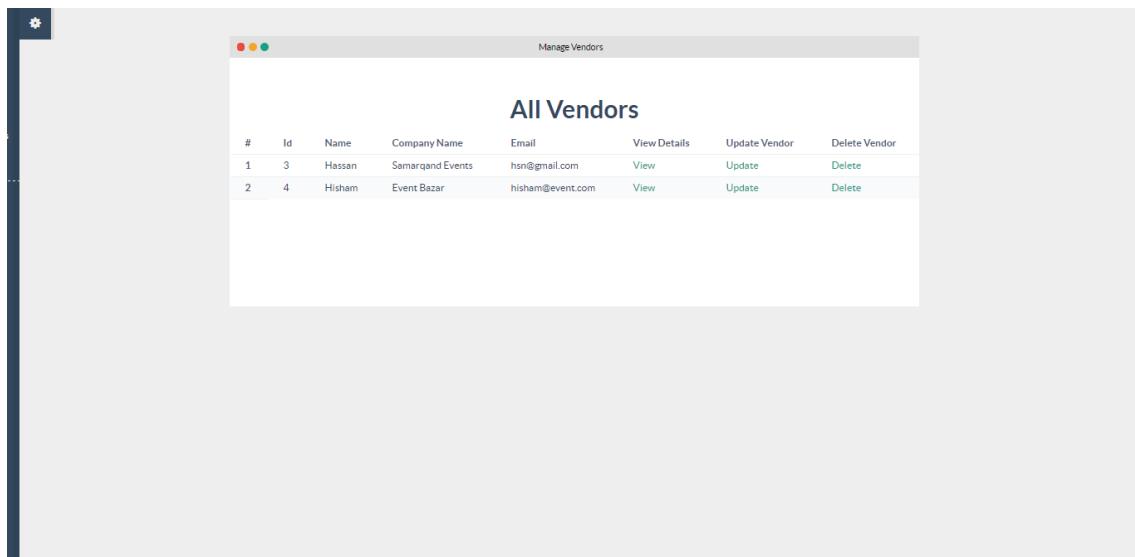
Service Name: Photographer

Customer #	Name	Customer Email	Event Name	Event Date	Event Shift	Current Status	Choose Action
1	hassan	bsef12m014@pucl.edu.pk	Mehndi	06/24/2016	Night	Not confirm	<input type="button" value="---Select---"/>



All Customers							
#	Id	Name	Email	Contact	View Details	Update Customer	Delete Customer
1	9	hassan	bsef12m014@pucit.edu.pk	03244563233	View	Update	Delete
2	10	Raza	raza@gmail.com	+87578	View	Update	Delete

All Events								
#	Id	Name	Type	Date	Customer Details	View Details	Update Event	Delete Event
1	1	Farwell F12	Function	07/14/2016	hassan	View	Update	Delete
2	2	Mehndi	Wedding	06/24/2016	hassan	View	Update	Delete



Sign up as Customer

Name

Username

Password

Email

Contact

Sign Up

Vendor Name

Company Name

Company Address

Landline Number

Mobile Number

Email

User Name

Password

Sign Up

eTaareeb

UserName

Password

Customer Vendor

Login

Not have an account? [SignUp](#)

Create Event

Event Name

Date

Total Budget

Day

Catering

CREATE EVENT

Name
Hisham

Username
Hisham Zahid

Email
Hisham@gmail.com

Password
Hisham

Contact
03211234567

Update

Service	Price	Type	Edit Service
dj	1000	mariage	Edit
abc	1000	mariage	Edit

abc

Add New Service **Customer Request**

Name
hisham

Company Name
abc

Company Address
hhjj

Landline Number
0852

Mobile Number
123

Email
g@gmail.com

Username
abc

Password

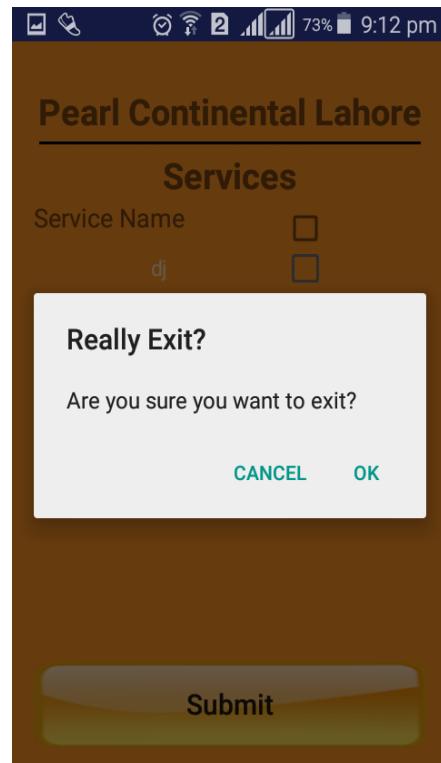
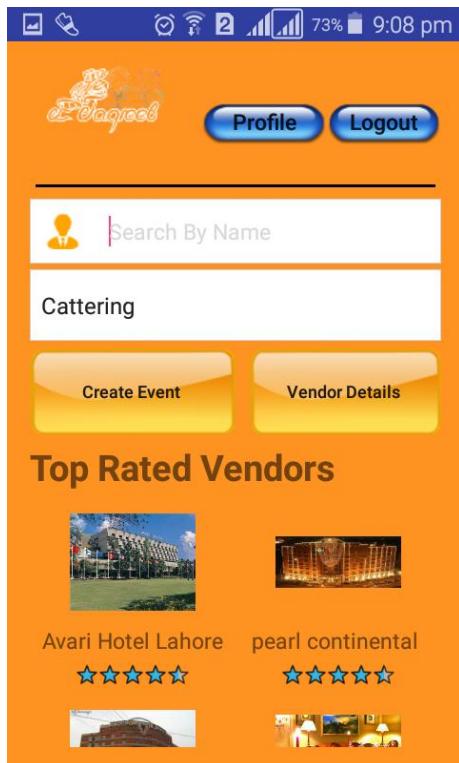
Submit

Pearl Continental Lahore

Services

Service Name	<input type="checkbox"/>
dj	<input type="checkbox"/>
abc	<input type="checkbox"/>

Submit



SE-F12-13

Online Event Organizers

BSSE. Fall 2012-2016