Title of the Project: Event Management System

Group Number: 14

Group Members: 02

Student ID	Student Name
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System Request

Project sponsor:

- Kalleen - Founder and CEO
- Tony Stark - Chief Financial Officer

Business need:

This project has been initiated to reach organizations and allow them to increase their business facilities and offer better service to web consumers for those who want a personalized event to be hosted or held at their chosen time.

Business requirements:

Customers will be able to host a personalized event by visiting this website. Below are the features that the program will provide:

- Sign In and Sign Up for both organizations and customers.
- Organizers can put pictures of their events.
- Customers can view previous hosted events pictures from the organizer.
- Customers can customize their needs. For example event's place, time, decorator, catering service, food menu, sound system, photographer, cinematographer, etc.
- The system will show an estimation of the total cost of the event.
- Promo Deals and Special offers for customers.
- Customers can send their feedback or show reviews of other users.
- Digital payment systems like credit card or bKash etc.
- Customers can hire security services for the event.

Business Value:

We can make profits from vendors. For example, we can generate revenue from food, decor, photography, sound, media service, card printing, and so on at a wedding event. Our customers can choose the venue of their event from the vast list of our clients or they can host an event in their place.

Tangible values:

Per Event:

10% commission will be taken from catering services, sound system providers, and venue.

10% commission will be taken from the decorator and rent a car service.

5% commission will be taken from the photographer, cinematographer, artist.

Intangible values:

We will ensure quality service with the aid of customer reviews, which will help us to win the confidence and reputation of people. For that cause, there will be more vendors involved in collaborating with us.

Special issues or constraints:

As most of the event occurs in the winter season. This project needs to finalize before the second week of December.

Requirement Analysis

Event Management System

We have managed to develop a website for both our clients and customers so that they can create/pick their services quickly. We also added some functionality based on what we are going to start working on.

Functional Requirement:

1. **Registration:**

   To enter into this site user has to register himself first. Requirements of registration are first name, last name, username, email-id, password, confirm password.

2. **User Login:**

   The System provides the facility to login into the system. Users have to input their username and password to get into the home page.

3. **Logout:**

   The system provides the facility to logout from the site. The users will get a logout button to sign out from the system.

4. **Forgot Password:**

   The user can send a reset link to the mail id to reset the password. By inputting an email id a reset link will send to that address.

5. **Notification/updates:**

   Users will get to know any notification, recent updates, or important messages, or promotional deals through e-mail.

6. **Sort by price, rating:**

   Users will be able to sort their service by price or by rating or both together.

7. **Cost estimation based on demand:**

   Users will be able to customize their service and they will get the estimated cost for each service they choose.

8. **Catalog based on service and product:**

   Users will be able to see catalogs of services and vendors. From that users will be able to select services according to their choice and select their preferred vendors and vice versa.

9. **Search Engine:**

   Users can search for products, vendors, and services.

10. **Time Slots:**

    Time slots for the availability of a place or venue on which event going too held.

11. **Customer Rating:**

    Users will have the ability to rate services and vendors so that we can improve the system and understand the user's needs.

Non Functional Requirement:

Operational:

1. For both customers and sellers, the system should support the latest versions of all popular web browsers.
2. Webpage should be developed base on Web Content Accessibility Guidelines (WCAG) 2.1 Standard.

Performance:

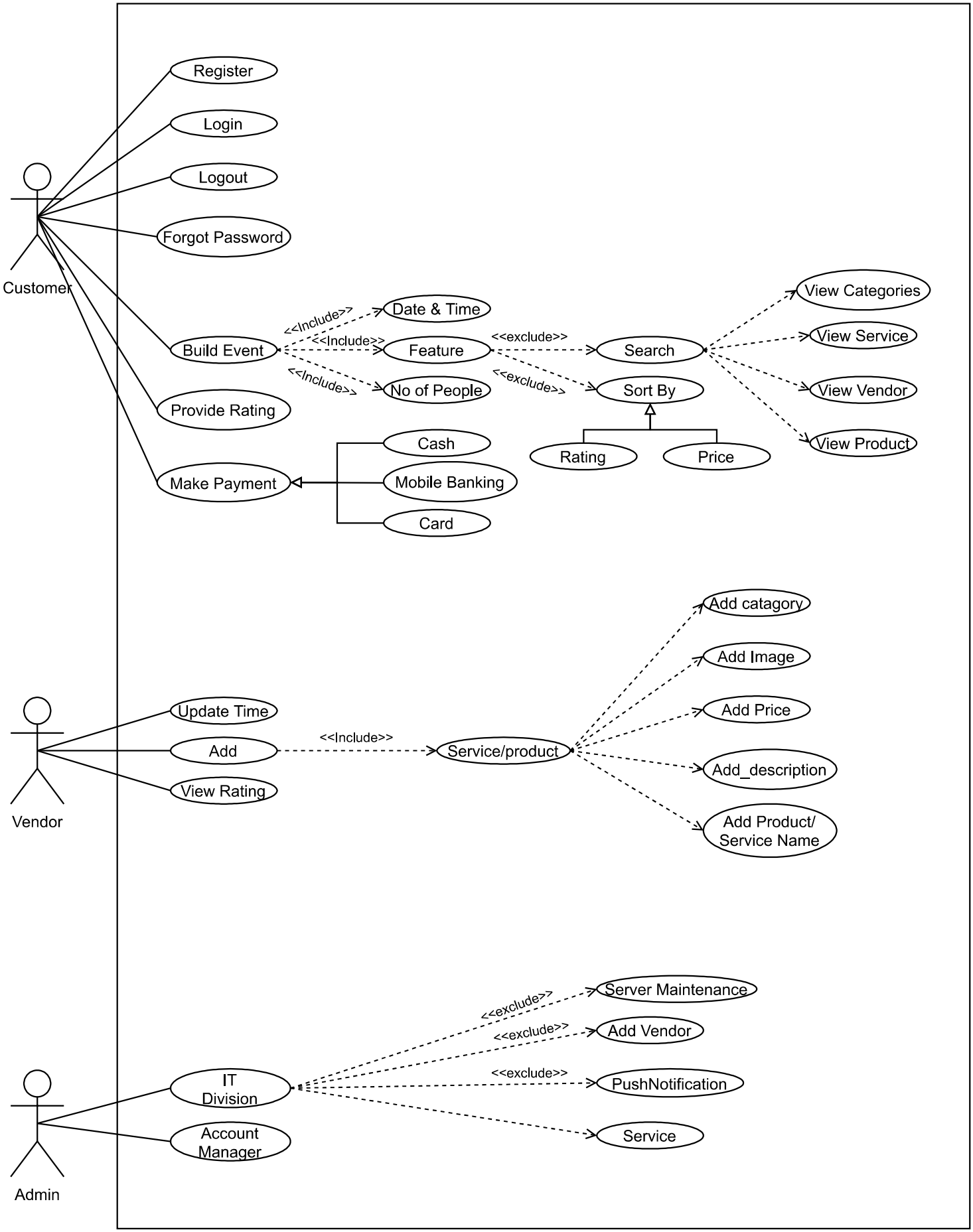
1. 24/7 Live customer support center.
2. The system will receive updated schedule information every 2 seconds.
3. Servers should be situated in Bangladesh for low latency.
4. Any interaction between the user and the system should not exceed 2 seconds.

Security:

1. All digital transactions should be secured with SSL protocol.
2. The user's password should be stored encrypted by bcrypt algorithm.
3. The system will automatically log out users every 15 days.
4. Email alert for login from a new device.
5. At least two copies of backup of the whole database should be kept.
6. Two Factor Authentication support for both the phone number and email.
7. Should integrate DDoS protection.
8. All traffic should be routed through HTTPS.

Cultural and political:

1. Illegal products or events promotion should be banned.
2. The system should not hurt any social, cultural, or religious sentiments.
3. The system will only support the customer who is from Bangladesh.
4. Should support both English and Bengali language.
5. The system should abide by the local government money transaction policy.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Login
Logout
Forgot Password
Customer
Build Event
Provide Rating
Make Payment
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<<Include>>
<<Include>>
Date & Time
Feature
No of People
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Sort By
Rating
Price
View Categories
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Add Price
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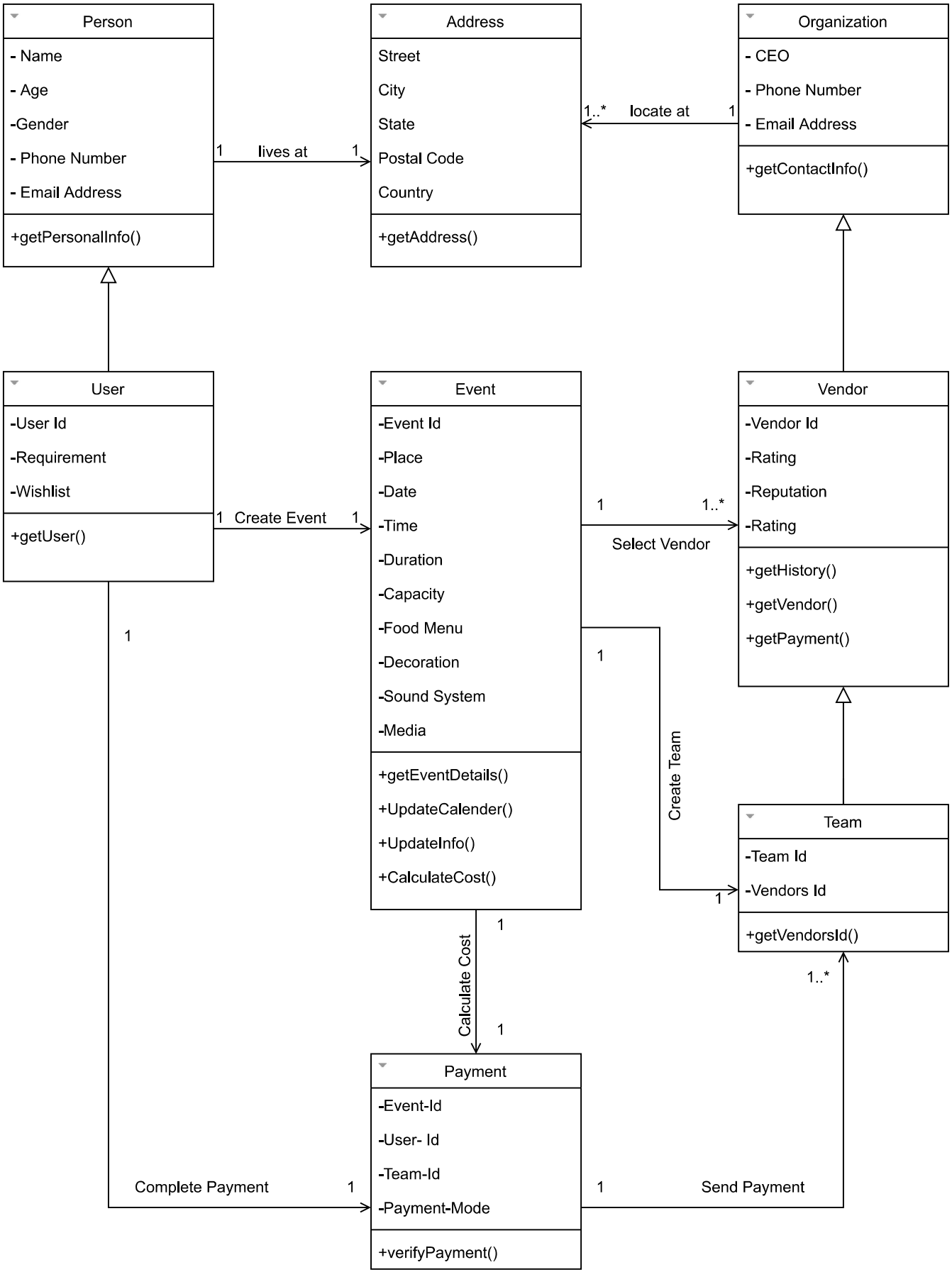
Server Maintenance
Add Vendor
PushNotification
Service


Person
- Name
- Age
-Gender
- Phone Number
- Email Address
+getPersonalInfo()
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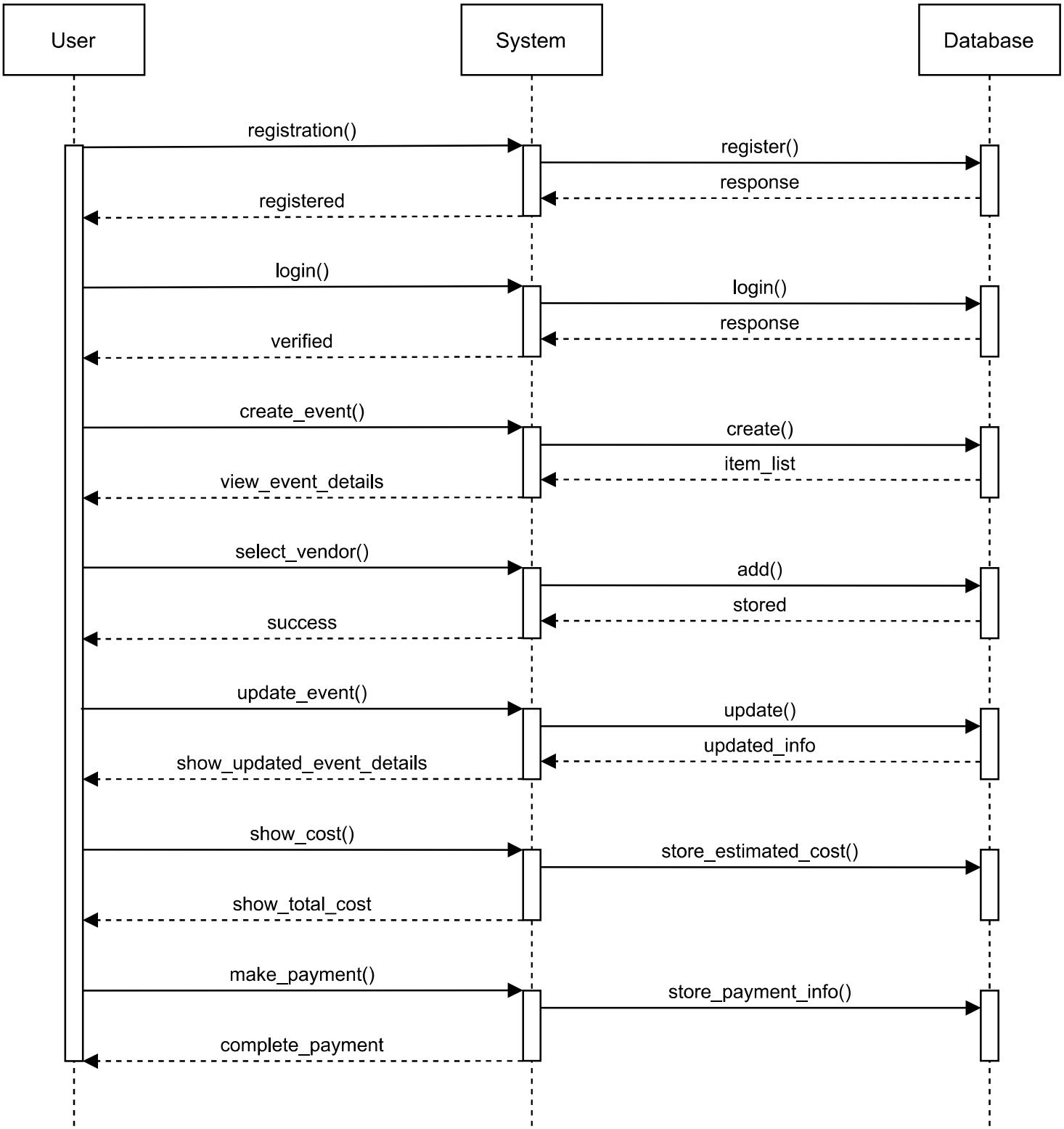
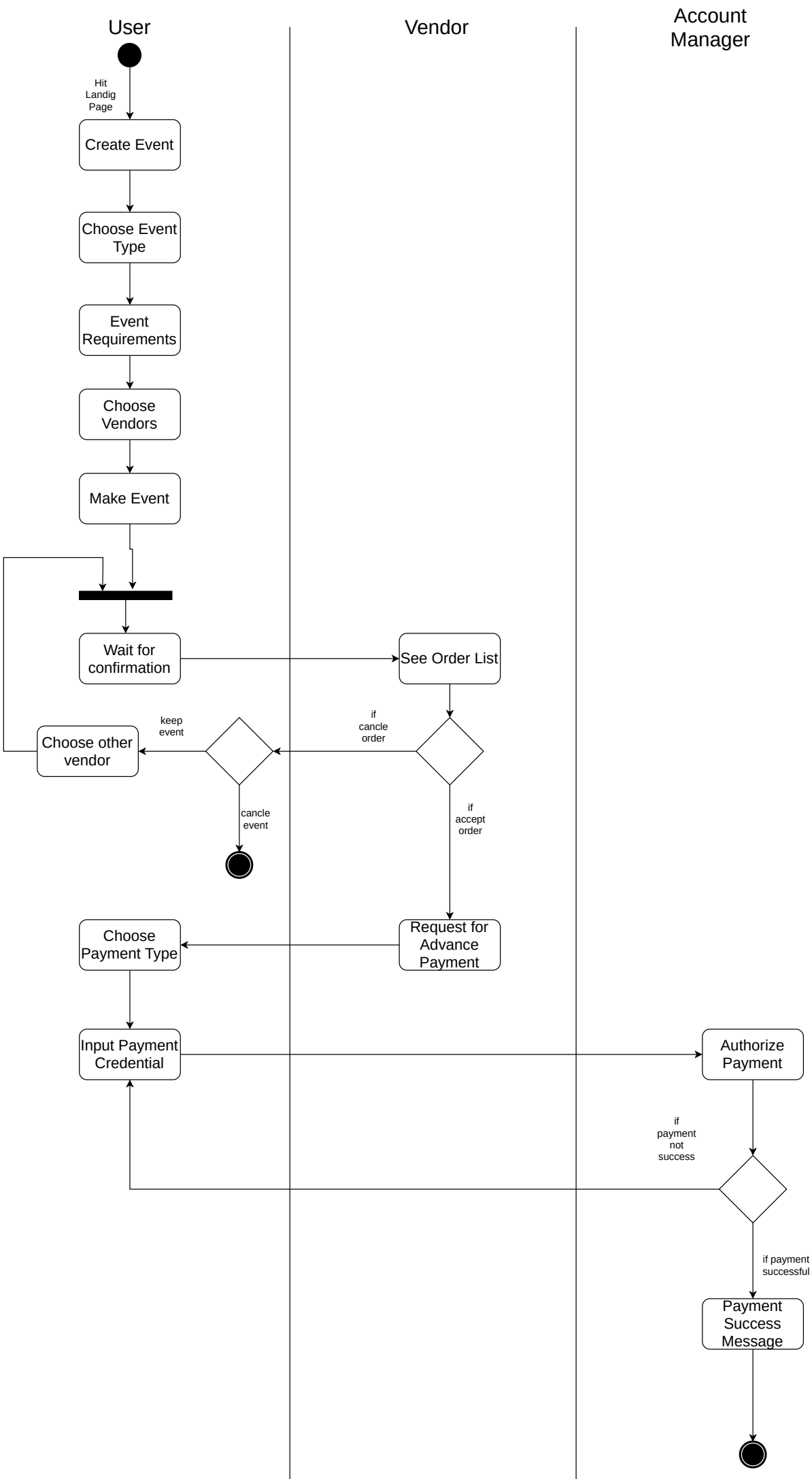
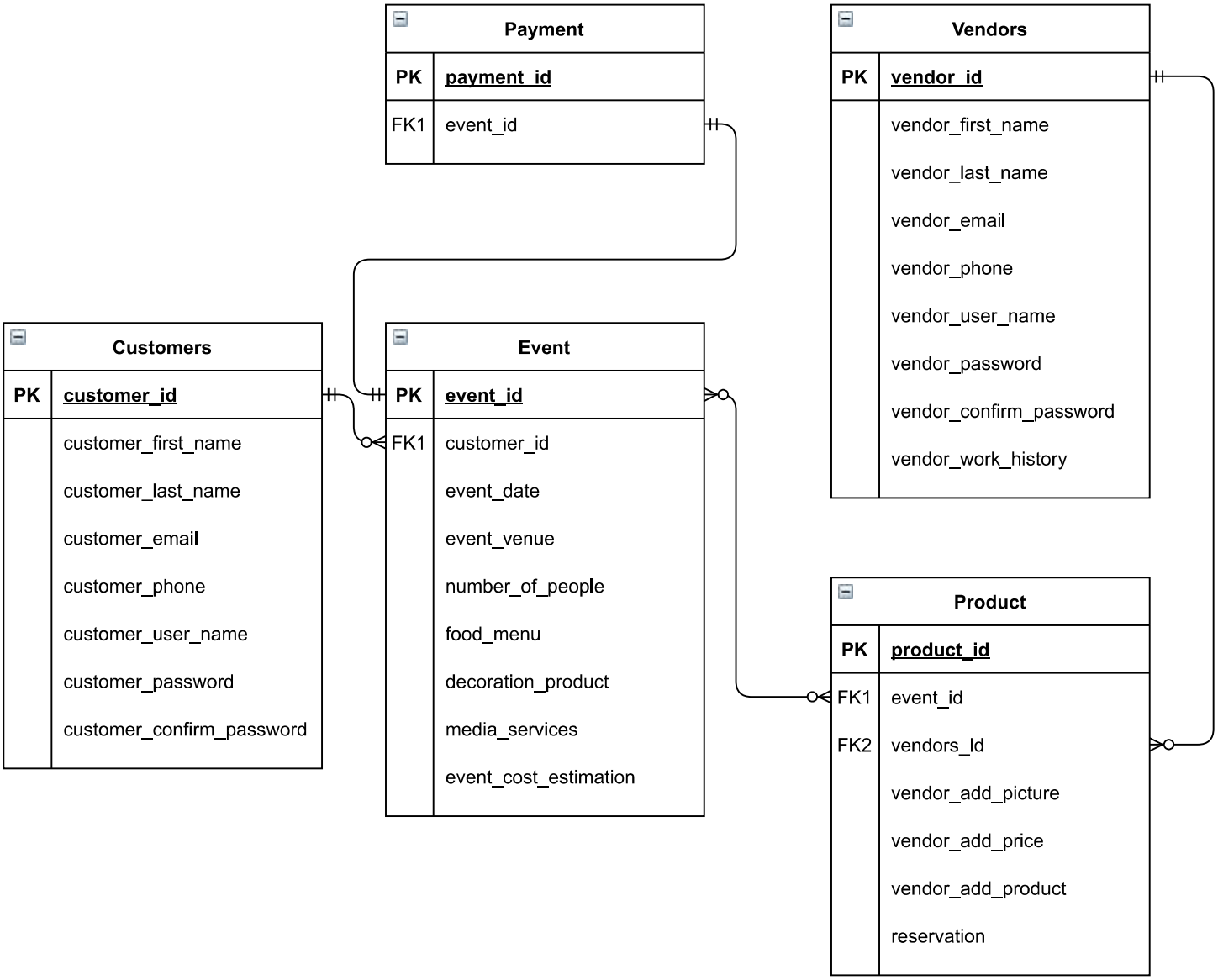
lives at
1
Address
Street
City
State
Postal Code
Country
+getAddress()
1..*
locate at
1
Organization
- CEO
- Phone Number
- Email Address
+getContactInfo()
User
-User Id
-Requirement
-Wishlist
+getUser()
1
Create Event
1
Event
-Event Id
-Place
-Date
-Time
-Duration
-Capacity
-Food Menu
-Decoration
-Sound System
-Media
+getEventDetails()
+UpdateCalender()
+UpdateInfo()
+CalculateCost()
1
Select Vendor
1..*
Vendor
-Vendor Id
-Rating
-Reputation
-Rating
+getHistory()
+getVendor()
+getPayment()
1
Create Team
1
Team
-Team Id
-Vendors Id
+getVendorsId()
1..*
1
Calculate Cost
1
Payment
-Event-Id
-User- Id
-Team-Id
-Payment-Mode
+verifyPayment()
1
Complete Payment
1
Send Payment


User
System
Database
registration()
register()
response
registered
login()
login()
response
verified
create_event()
create()
item_list
view_event_details
select_vendor()
add()
stored
success
update_event()
update()
updated_info
show_updated_event_details
show_cost()
store_estimated_cost()
show_total_cost
make_payment()
store_payment_info()
complete_payment


User
Vendor
Account Manager
Hit Landig Page
Create Event
Choose Event Type
Event Requirements
Choose Vendors
Make Event
Wait for confirmation
See Order List
keep event
if cancle order
Choose other vendor
cancle event
if accept order
Request for Advance Payment
Choose Payment Type
Input Payment Credential
Authorize Payment
if payment not success
if payment successful
Payment Success Message


Payment
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payment_id
FK1
event_id
Vendors
PK
vendor_id
vendor_first_name
vendor_last_name
vendor_email
vendor_phone
vendor_user_name
vendor_password
vendor_confirm_password
vendor_work_history
Customers
PK
customer_id
customer_first_name
customer_last_name
customer_email
customer_phone
customer_user_name
customer_password
customer_confirm_password
Event
PK
event_id
FK1
customer_id
event_date
event_venue
number_of_people
food_menu
decoration_product
media_services
event_cost_estimation
Product
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FK1
event_id
FK2
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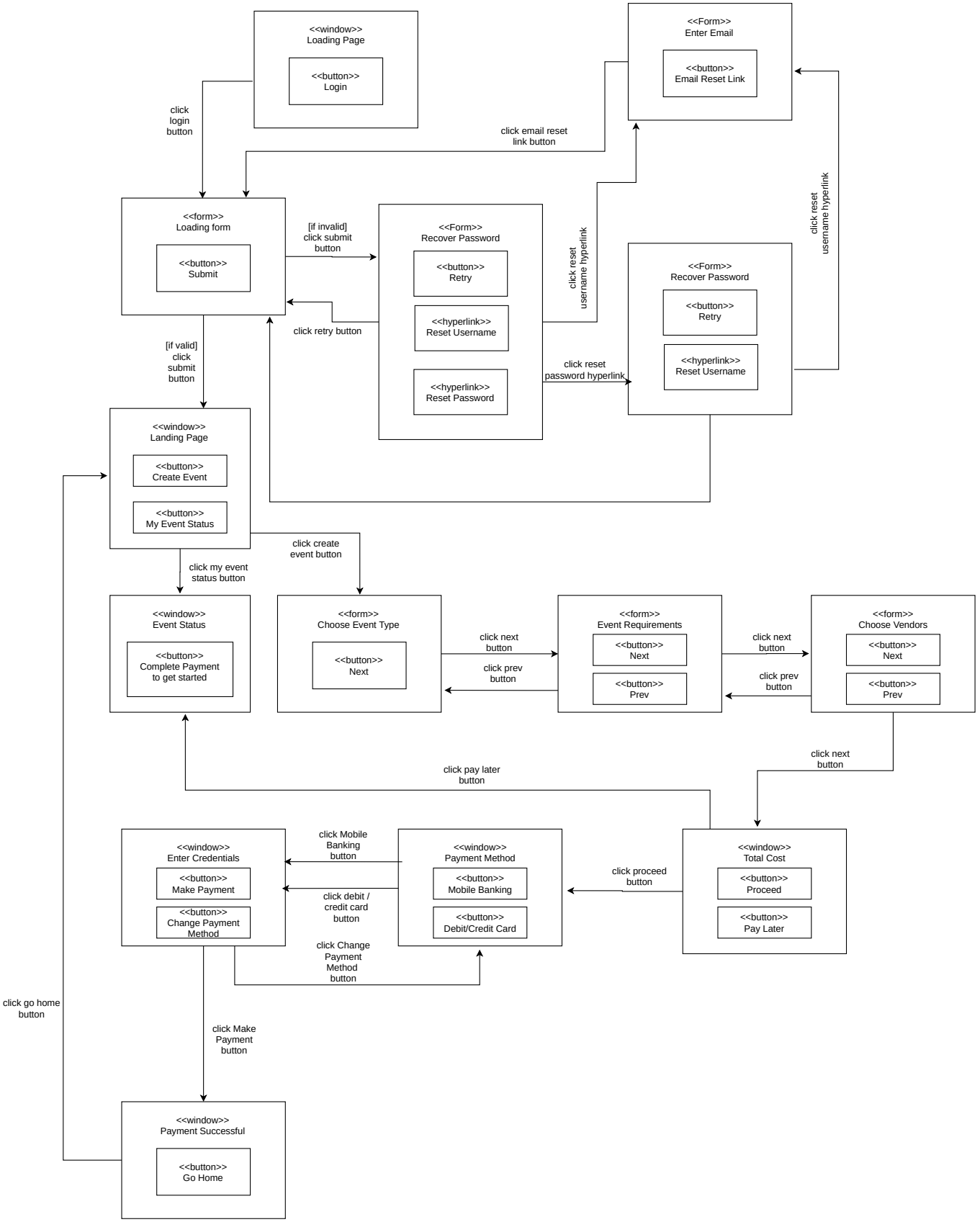
reservation

WND USER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Login
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Enter Email
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Email Reset Link
click
login
button
click email reset
link button
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Submit
[if invalid]
click submit
button
<<Form>>
Recover Password
<<button>>
Retry
<<hyperlink>>
Reset Username
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Reset Password
click retry button
click reset
username hyperlink
<<Form>>
Recover Password
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Landing Page
<<button>>
Create Event
<<button>>
My Event Status
click create
event button
click my event
status button
<<window>>
Event Status
<<button>>
Complete Payment
to get started
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Choose Event Type
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Next
click next
button
click prev
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<<form>>
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Next
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Prev
click next
button
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Choose Vendors
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Next
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Prev
click next
button
click pay later
button
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Make Payment
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Change Payment
Method
click Mobile
Banking
button
click debit /
credit card
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Total Cost
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Proceed
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Pay Later
click go home
button
click Make
Payment
button
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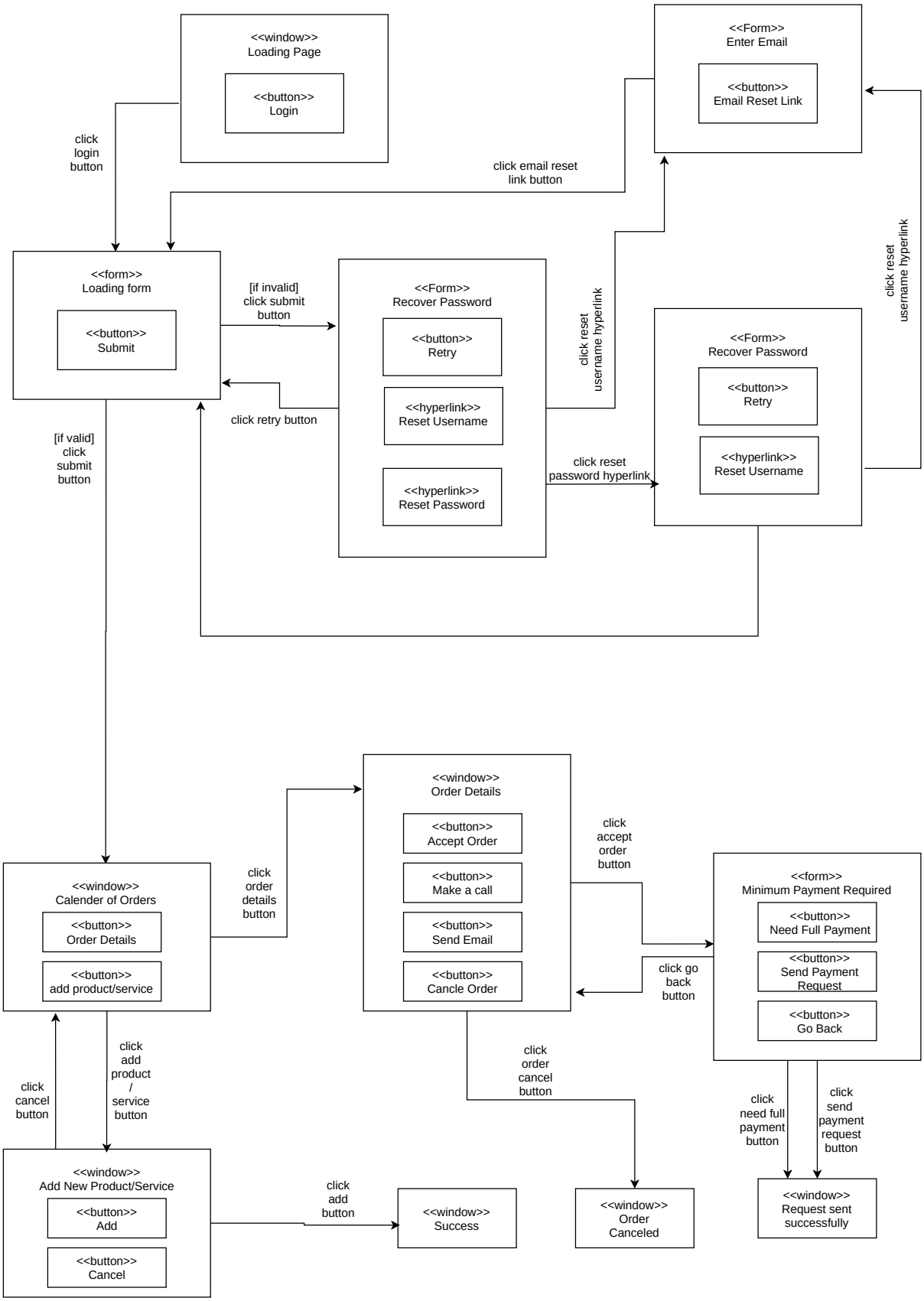
Payment Successful
<<button>>
Go Home

WND Vendor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button
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Send Email
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click
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order
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Order Details
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add product/service
click
order
details
button
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Minimum Payment Required
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Need Full Payment
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Send Payment
Request
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Go Back
click go
back
button
click
cancel
button
click
add
product
/
service
button
click
order
cancel
button
click
need full
payment
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click
add
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Success
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Order
Canceled
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Request sent
successfully