



GROUP PROJECT II
GROUP G32

SCS 3214 / IS 3113: Group Project II - 2022

Interim Report

Proposed Project Title: Entero

Project Group Details

1. Group number: G32

2. Group members:

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Details of Project Supervisor, Co-supervisor, Advisors and Clients

Proposed Project Supervisor (Academic Staff of UCSC):

Name of the supervisor: Ms. Mathangi Krishnathan

Signature of the supervisor:

Date:

Proposed Project Co-Supervisor (Assigned by Course Coordinator):

Name of the co-supervisor: Ms. Yasmi Himaya

Signature of the co-supervisor:

Date:

Project Advisors: (External industry advisors, if any)

(Please provide, Name, Organization, email address and institute)

1.
2.
3.

The client of the Project

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Project Details:

1. Project title:

Entero – All in one (Event Management System)

2. The goal:

The main goal of the project ‘Entero’ is to provide a web-based platform for event management which facilitate and satisfy the users towards various services. System ‘Entero’ assist the service providers to reach and promote their business as well as customer to fulfill their needed services through this single system.

3. Objectives:

- To provide user friendly system to the users.
- To facilitate the customer to receive the required service from the service providers.
- To facilitate the customer to schedule appointments by checking available time slots.
- To facilitate the customer to make online bookings for event services.
- To provide chat facility to maintain the communication with service providers.
- Design a system to provide and view the reviews and feedbacks regarding the services.

4. Problem definition and Motivation

- Finding event services and proper arrangement for an event had been more complicated.
- Customers are not aware about the service providers or contractors to contact or book for the event services.
- Customers are not ensured about the services whether they provide the services according to our requirements or needs and the service standard assurance will be shallow.
- Mainly there were no single system which provide event services together in Sri Lanka.

5. The scope of the project

5.1. In-Scope

5.1.1. *Users (possible actors) of the system:*

- Admin
- Customers
- Service Providers

5.1.2. *Main functionalities of the system:*

Admin

- View past and pending events
- View and remove (if needed) customers
- View and blacklist (if needed) service providers
- View feedback and ratings
- Able to generate reports
- Update business policies
- Update terms & conditions
- Manage service charges
- View and answer the questions asked in contact us page

Customers

- Register
- Manage customer account details
- Customers can search events
- Search for services
- Make bookings for services
- Make appointments with the service providers
- Chat with the service providers
- View privacy and policy
- View terms & conditions
- Update the status of the event service
- Provide ratings and feedbacks
- Use contact us page for questioning

Service providers

- Register to the system
- Manage account
- Create and manage organizational portfolios

- Manage and schedule appointments
- View and confirm bookings
- Chat with the customers
- Update the service status
- View privacy and policy
- View terms & conditions
- View ratings and feedback
- Pay service charges
- Use contact us page for questioning

5.2. Out of scope

- Mobile application
- Trilingual interface
- The system does not cater for monetary transactions for bookings since we are getting a service charge from the service providers.

6. Feasibility study

We have conducted the following feasibility studies about our system.

- Technical feasibility
- Operational feasibility
- Economic feasibility
- Schedule feasibility
- Legal and Ethical feasibility

6.1. Technical feasibility

The system we expected to design is a web-based software. We are planning to develop it with for the front end React JS with tailwind while for the back end Express JS as a middleware. Database for the system is PostgreSQL. Also, we will be using NodeJS as our web server environment to test the system. These are free accessible technologies. As for hosting this system Heroku will be used and also to share source code we will be using GitHub.

Online collaboration tools such as Google drive, Google docs, Trello, Zoom, WhatsApp are also used to collaborate with team members during times when the members cannot physically meet. The above-mentioned technologies are readily available for development, and our team is willing to enhance our project through learning skills on certain technologies that we are not experienced in.

With the use of these technologies, our main aim is to build an effective and efficient website to provide users a platform to deal with events and services. From this website we are determined to make users comfortable and secure to communicate and book. The proposed solution is feasible, the technologies are free, and as a team, we are eager to improve our skills and understanding in this scope in order to match the system's criteria. As a result, our website is theoretically and technically feasible.

6.2. Operational feasibility

Entero is a website-based application which is easy to learn and it will require a very short time to learn the operations and functionalities. The graphical user interface would be developed in a very user-friendly manner and could be easily operated. Customers are able to find the services that they want from a one place. When this system is achieved with complete automation, all the user related information will be managed well and it would provide maximum ease in usage to all users.

The chatting system would assist the users to create a community between organization. Not a lot of training would be needed for people with minimal computer knowledge. The admin would get continuous reports which would help in taking decisions to plan future tasks of the company. Customers are able to find organizational services and manage their event services easily. The services provided by this system would be flexible and expandable.

6.3. Economic feasibility

Development cost

- There will be no consultation fee as we are provided supervisors, there will be no development and software costs and also, we are using free open source technologies.
- But we are planning to deploy the project then there will be a certain cost for maintenance hence for that we will be collecting a service charge from the service providers by using that amount we will be able to cover the maintenance cost.

Operational cost

- This web application is hosted on Heroku free of charge.

Therefore, it can be stated that the system will bear next to zero costs during development phases, and hence it is economically feasible.

6.4. Schedule feasibility

The development of the website should be completed by the end of the academic first semester. Since it is allowed to use frameworks, the development process will be fast and efficient. We are using the iterative waterfall method for development process where we finish the documentation and go for the development phase. We will divide workload and complete the project. This 15 weeks' timeline is believed to be sufficient to complete the project.

Work time allocation

No of weeks	15
Working hours in week days per person	4 hrs
Working hours in weekends per person	6 hrs
Time allocated on the project per week by a single member	10 hrs
Total time allocated on the project by a single member	150 hrs
Total time allocated by the group (5 members) for the project	750 hrs

6.5. Legal and Ethical feasibility

This system is designed only for Event management and service booking. This system does not violate rules and regulations under the law of Sri Lanka.

- Sensitive data of users that collect by the system will not disclose to unauthorized viewers.
- User information such as organization portfolio, user information, contact numbers, etc. will not be sold to any third party.

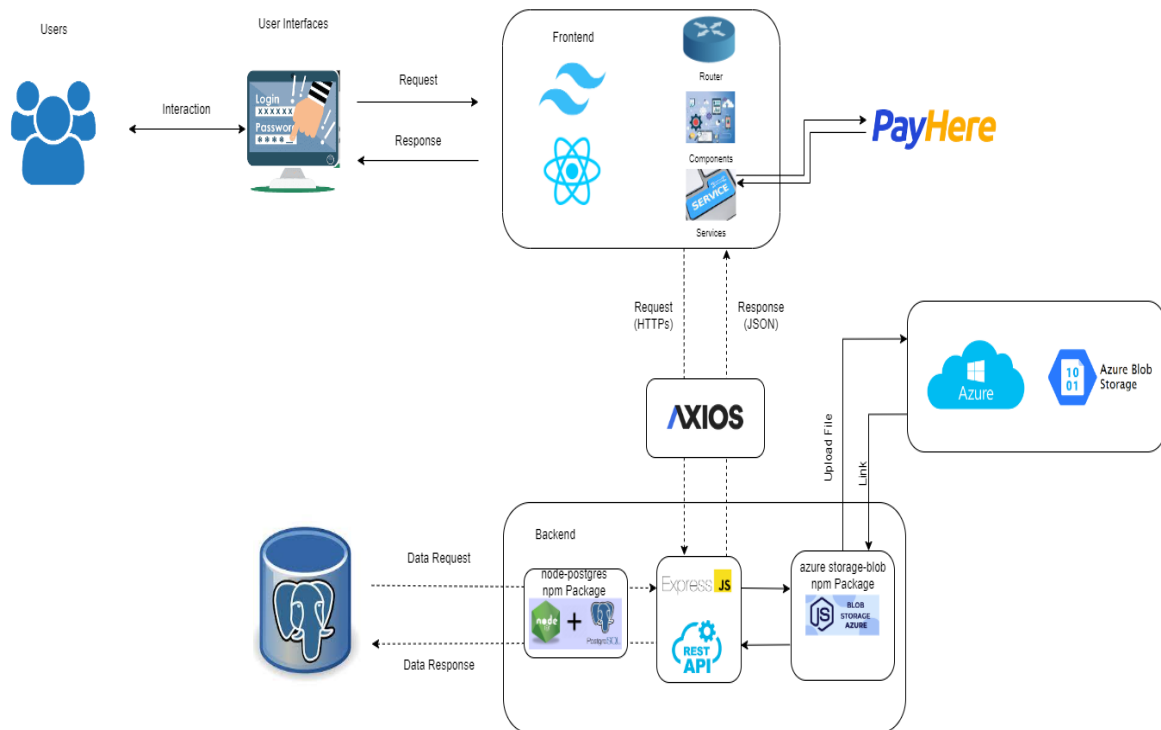
When considering legal side of open source software,

- Node Js, React JS and Express JS uses MIT license. As all these three technologies are under MIT license there won't be conflicts between the licensing so no legal issues in using these open source technologies.
- We are going to use the components of the MERN stack except the database, as we are using PostgreSQL for database, MERN stack is a well-known stack used for industrial project so there will be no conflicts in license in between the Node JS, React JS and Express JS.
- When it comes to database, PostgreSQL is released under the PostgreSQL License, a liberal Open Source license, similar to the BSD or MIT licenses. Where it says "Permission to use, copy, modify, and distribute this software and

its documentation for any purpose, without fee, and without a written agreement is hereby granted.”

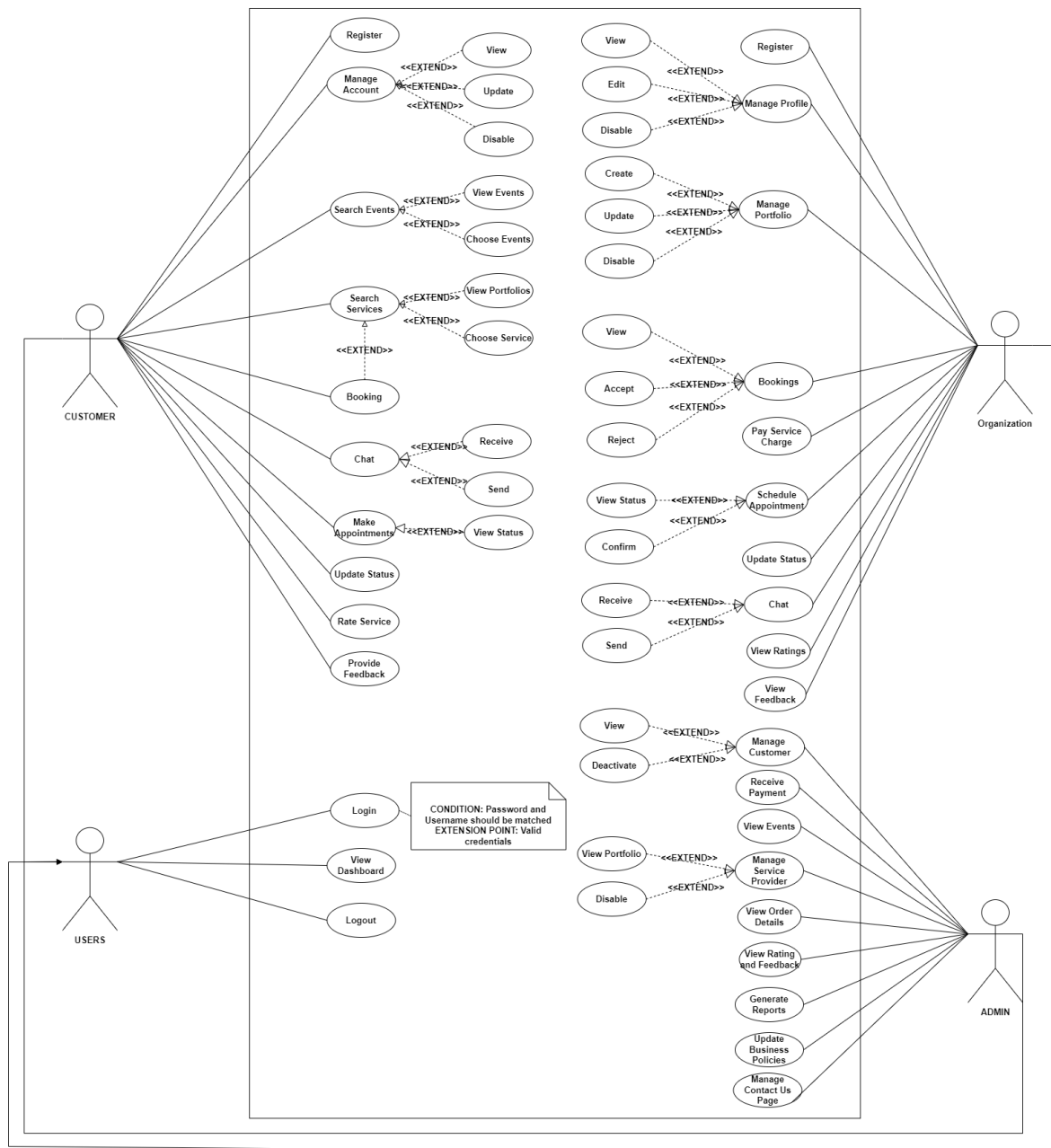
The above facts state this system is legally feasible

7. System Architecture



8. Requirements Specification

8.1. Use case Diagram



8.2. Use case narratives

8.2.1. All Users

Use Case	Login
Summary	Users will be directed to their profiles according to the user roles
Actors	Users (Admin, Customer, Service Provider)
Preconditions	Users should be registered into the system
Description	The users should provide the valid username and password as given in the registration. According to the user credentials, they will be redirected to their interfaces.
Exceptions	User is not register or username or password is invalid
Postconditions	Users can access the system according to their user roles.

Use Case	Logout
Summary	Users will be directed to the landing page
Actors	Users (Admin, Customer, Service Provider)
Preconditions	Users should be login into the system
Description	The users can end their session or exit the system by clicking the logout button which will redirect every user to the landing page.
Exceptions	The process not completed
Postconditions	After logout directed to the homepage

Use Case	View dashboard
Summary	Users (Admin, Customer, Service Provider)
Actors	Admin, Customer, Service Provider
Preconditions	User should be logged into the system
Description	Admin will be able to see an insight about the system. Customers can access the functionality that they are assigned. Service Providers can access the functionality that they are assigned.
Exceptions	Can't access another users' dashboard
Postconditions	System will display a sidebar so users can access their functionalities.

8.2.2. Admin

Use Case	Manage Customer
Summary	Admin can view and disable customers when needed
Actors	Admin
Preconditions	Customers should be registered to the system
Description	The admin is able to view the customer details, and is able to black list the customers if there are any valid complaints and suspicious activities.
Exceptions	If there are no customers that have been registered
Postconditions	Can make decisions regarding the customer

Use Case	View Customer
Summary	Admin is able to view the customer details and activities
Actors	Admin
Preconditions	There should be a registered customer
Description	Admin can view the customer details, booking, and their event status through the system
Exceptions	No registered customer
Postconditions	Can make decisions regarding the customer

Use Case	Manage Service Providers
Summary	Admin can view and disable the service providers when needed
Actors	Admin
Preconditions	Service providers should be registered to the system
Description	The admin is able to view the service providers portfolios, and is able to black list the service providers if there are any valid complaints and suspicious activities.
Exceptions	If no service providers have been registered, no complaints were given about the service providers
Postconditions	Database is updated and the service provider is notified.

Use Case	View portfolios
Summary	Customers and admin are able to view the service providers portfolios
Actors	Admin, customer
Preconditions	Service providers should have created the portfolios
Description	Admin and customers can view service portfolios to get information and able to choose the services by referring the portfolios
Exceptions	No portfolios have been created by the service providers
Postconditions	Can make decisions regarding the information in the portfolios

Use Case	Disable users (customer and service providers)
Summary	Admin can disable customer and service providers from the system
Actors	Admin
Preconditions	Complaints or any irrelevant behavior should be notified
Description	Customers and Service providers will be blacklisted in order to any valid complaints or irrelevant behavior through the system by the admin.
Exceptions	No users have been registered, no complaints or irrelevant activities found
Postconditions	Blacklisted user's user accounts will be blocked and they will not have the access to the system anymore

Use Case	Manage service charges
Summary	Admin can manage service charges
Actors	Admin, Service provider
Preconditions	Admin should login to the system
Description	End of an event services providers should pay service charges to the system and admin can see all service charges which are done by the service providers. Admin can send reminders if any service charges are not paid by service providers.
Exceptions	None
Postconditions	Service providers will receive a reminder if they didn't pay the service charges for relevant event.

Use Case	Update business policies
Summary	Admin edits provided information about the business policies to the system
Actors	Admin
Preconditions	Admin should be registered in the system
Description	Admin hits the 'edit business policies' button and changes the provided information and saves made changes.
Exceptions	If the Admin enters the edit page and changes nothing, original business policies will still be displayed in the system
Postconditions	Admin can edit the business policies

Use Case	Manage Contact Us
Summary	Users (Customer/service provider) can inquire or get to know anything they want to about the system through the contact us page. The admin will answer them and the reply will be sent via email.
Actors	Admin, User (Customer/service provider)
Preconditions	Admin should be logged in to answer the inquiries.
Description	Users (customer/service provider) will be given a form in the contact us page to send their message and necessary validations will be carried out such as for empty fields, invalid emails etc. After validating the database will be updated and the message will be passed to admin. Admin can reply or discard the message and if replied the reply would be sent in an email to the relevant user and the database will be updated with the reply.
Exceptions	If data is not validated, the message won't be passed or the database won't be updated.
Postconditions	Database is updated with the message and reply and an email will be sent.

Use Case	View feedback and ratings(admin)
Summary	Admin can view customers feedback and ratings for any events
Actors	Admin
Preconditions	Admin should login to the system
Description	After any event is done customer can rate their services and give feedbacks. Admin can see any customer ratings and feedbacks for relevant events.
Exceptions	None
Postconditions	Rating and feedbacks are shown for relevant event.

Use Case	Generate Report
Summary	Admin can view reports
Actors	Admin
Preconditions	Admin should be logged into the system
Description	Admin will be able to view reports and the system shall generate a report and display
Exceptions	Can't generate a report if an invalid data(future date) was added
Postconditions	Admin can review the progress of the given time duration

Use Case	View event
Summary	Admin can view past and current events.
Actors	Admin
Preconditions	Admin should be logged in
Description	Admin can view past and current events in the system.
Exceptions	None
Postconditions	The events will be shown.

8.2.3. Customer

Use Case	Register
Summary	Customer can create their own accounts to join the system Entero
Actors	Customer
Preconditions	Must be a new user who has not registered before
Description	Customer can click the sign-up button in the landing page to get registered to the system, after clicking a registration form customer can access their functionalities through the system.
Exceptions	The provided data is invalid.
Postconditions	Users will get access to login to the system.

Use Case	Search services
Summary	Customer search for services
Actors	Customer
Preconditions	Customer should be logged in to the system
Description	The customer hits the services button and searches for services. In each service, the customer can find every relevant service provider's portfolio links.
Exceptions	If no service providers are signed up to the relevant service, nothing will be displayed in the service page except for a 'nothing to show' message
Postconditions	Customers can search for services.

Use Case	Choose services
Summary	Customer select for services
Actors	Customer
Preconditions	Customer should be logged in to the system
Description	The customer can find every relevant service provider's portfolio links when clicking on the service button. They can view portfolios of the service providers and get an idea of the service history. Then customers can request from Service providers to book the service.
Exceptions	If no service providers are signed up to the relevant service, nothing will be displayed in the service page except for a 'nothing to show' message

Postconditions	Customers can choose for services.
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Use Case	View event
Summary	Customer can view past and current events.
Actors	Customer
Preconditions	Customer should be logged in
Description	Customer can view past and current events in the system.
Exceptions	None
Postconditions	The events will be shown.

Use Case	Booking services
Summary	Customers can book needed services for their events.
Actors	Customer
Preconditions	Customers should be logged in.
Description	The booking form will be provided when the customer wants to book a particular service, then the customer can fill the form and the input data will be validated. The service provider will be notified of the booking.
Exceptions	If the input data fails the validation, the booking cannot be made.
Postconditions	Database is updated and the service provider is notified.

Use Case	Chat
Summary	Customer can use chat option
Actors	Customer
Preconditions	User should login to the system
Description	Users can use the chat component to build their conversation and it will be more facilitated to share their requirements and additional details.
Exceptions	None
Postconditions	Users can book the if they both agree

Use Case	Schedule Appointment
Summary	Customer schedules an appointment with a service provider to discuss the services.
Actors	Customer
Preconditions	Customer should be logged in to the system
Description	Customer fills a form with necessary information (date, location and time) to request an appointment. The system validates provided information and if valid send a request to service providers, if not displays an error message
Exceptions	Customers cannot book the same appointment again with the same time and date. Can't select a previous date or time for the appointments.
Postconditions	Customer receives an email stating whether or not the appointment has been approved.

Use Case	View Appointment Status
Summary	User will be able to see the appointment status through the system
Actors	Customer
Preconditions	Appointment request should be done
Description	Service providers can view the customer requested appointment slot and customers can view whether the slot is confirmed or not
Exceptions	No appointments have been scheduled
Postconditions	Users can confirm their appointments and proceed

Use Case	Update the service status
Summary	Customers edit the status whether it is cancelled or ended.
Actors	Customer
Preconditions	Customer should be registered in the system
Description	Customer hit the 'edit' button and change the status of the services and save made changes.
Exceptions	If the customer enters the edit page and change nothing, original service status will be still displayed in the system
Postconditions	Customer can edit the services status

Use Case	Ratings and Feedbacks
Summary	Customers can rate the services that they acquired and also write a review.
Actors	Customer
Preconditions	Customers should be logged in.
Description	Customers can rate the service provider in the service provider portfolio and write a review as a form will be provided if the customer wishes to. Database is updated and the feedback will be passed to the service provider after notifying them.
Exceptions	The form will be validated and if failed the feedback cannot be posted.
Postconditions	Database is updated, and the feedback is passed to the service provider after notifying.

8.2.4. Service Provider

Use Case	Register
Summary	Service provider can create their own accounts to join the system Entero
Actors	Service provider
Preconditions	Must be a new user who has not registered before
Description	Service provider can click the sign-up button in the landing page to get registered to the system, after clicking a registration form will pop up, there they can select their user roles.
Exceptions	The provided data is invalid, the Service provider's account is not approved by the admin.
Postconditions	Users will get access to login to the system, and get an email verification when the account is successfully created.

Use Case	Manage Portfolios
Summary	Service providers can manage their company portfolio
Actors	Service provider
Preconditions	Service providers should register to the system
Description	After registration service providers will be able to create their company portfolios by the provided template in the system and also can update or delete the portfolio
Exceptions	Service provider not registered
Postconditions	Users are able to view the Portfolio

Use Case	Create Portfolios
Summary	Service providers create their company portfolio
Actors	Service provider
Preconditions	Service providers should register to the system
Description	After registration service providers will be able to create their company portfolios by the provided template in the system, they are able to mention the details and promote their company and they can create service packages in the portfolios
Exceptions	Service provider not registered
Postconditions	Users are able to view the Portfolio

Use Case	Disable Portfolios
Summary	Service providers can disable their company portfolio
Actors	Service provider
Preconditions	Service providers should have created a portfolio
Description	Service providers are able to disable their own portfolios which won't show up after disabling
Exceptions	Service provider not created a portfolio
Postconditions	Company portfolio will be disabled from the system

Use Case	Handle Bookings
Summary	Service providers can manage the bookings through the system
Actors	Service Provider
Preconditions	Booking should be done
Description	The Service Provider is able to view the bookings and he can accept or reject the bookings according to the requirement.
Exceptions	No bookings are available
Postconditions	The status of the bookings will be updated

Use Case	Accept Bookings
Summary	Service providers can accept the bookings through the system
Actors	Service Provider
Preconditions	Booking should be done
Description	Service Provider can accept the bookings after viewing the requirements
Exceptions	No bookings are available
Postconditions	The bookings will be scheduled in the system

Use Case	Reject Bookings
Summary	Service provider can reject the bookings through the system
Actors	Service Provider
Preconditions	Booking should be done
Description	Service Provider can reject the bookings after viewing the requirements
Exceptions	No bookings are available
Postconditions	The system will notify the status

Use Case	Pay service charge
Summary	Service charge should be paid by service providers for bookings
Actors	Service provider
Preconditions	At Least one booking have to be confirmed for the service provider
Description	Service providers have to pay the required amount of service charge according to their bookings, the service charge will be collected from the service provides for per bookings
Exceptions	No bookings have been confirmed
Postconditions	Service providers can continue their services through the system

Use Case	Review scheduled appointments
Summary	Service providers will review received applications for a meeting and have the access to approve or reject.
Actors	Service provider
Preconditions	Service providers should be logged into the system
Description	Service providers will review the details provided by the customer and decide whether to accept or reject them according to the availability of their schedule.
Exceptions	If the provided information is not valid, the system sends a rejection notice(email) with the reason.
Postconditions	System sends a notice(email) to the applied customer with the time and date.

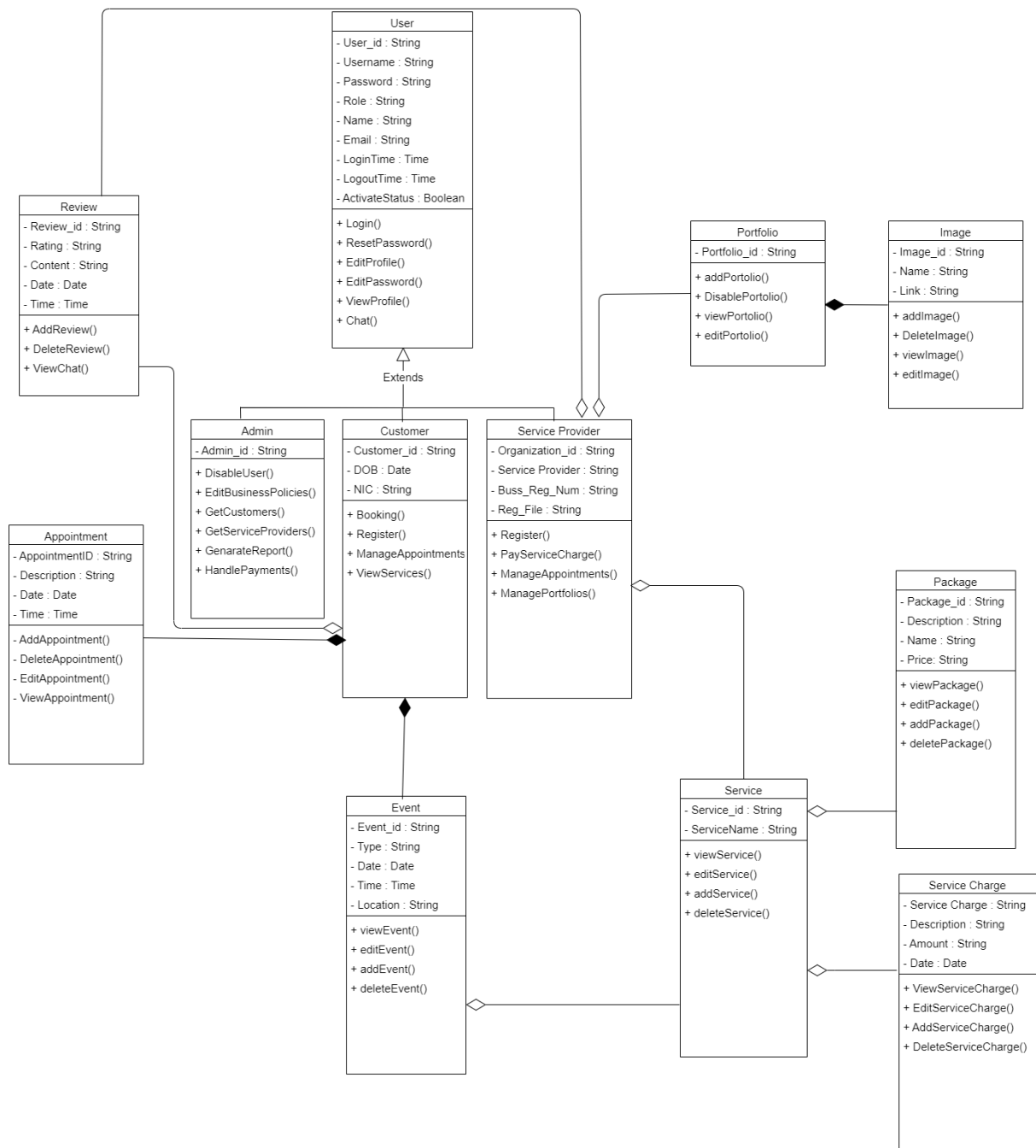
Use Case	View Appointment Status
Summary	User will be able to see the appointment status through the system
Actors	Service Provider
Preconditions	Appointment request should be done
Description	Service providers can view the customer requested appointment slot and customers can view whether the slot is confirmed or not
Exceptions	No appointments have been scheduled
Postconditions	Users can confirm their appointments and proceed

Use Case	Confirm Appointment
Summary	Service provider can confirm the appointment request
Actors	Service provider
Preconditions	Appointment request should be updated
Description	Service providers can view the appointment requests by the customers and they can confirm the appointment date and it will be updated in their calendars
Exceptions	No appointments have been scheduled
Postconditions	Calendar will be updated

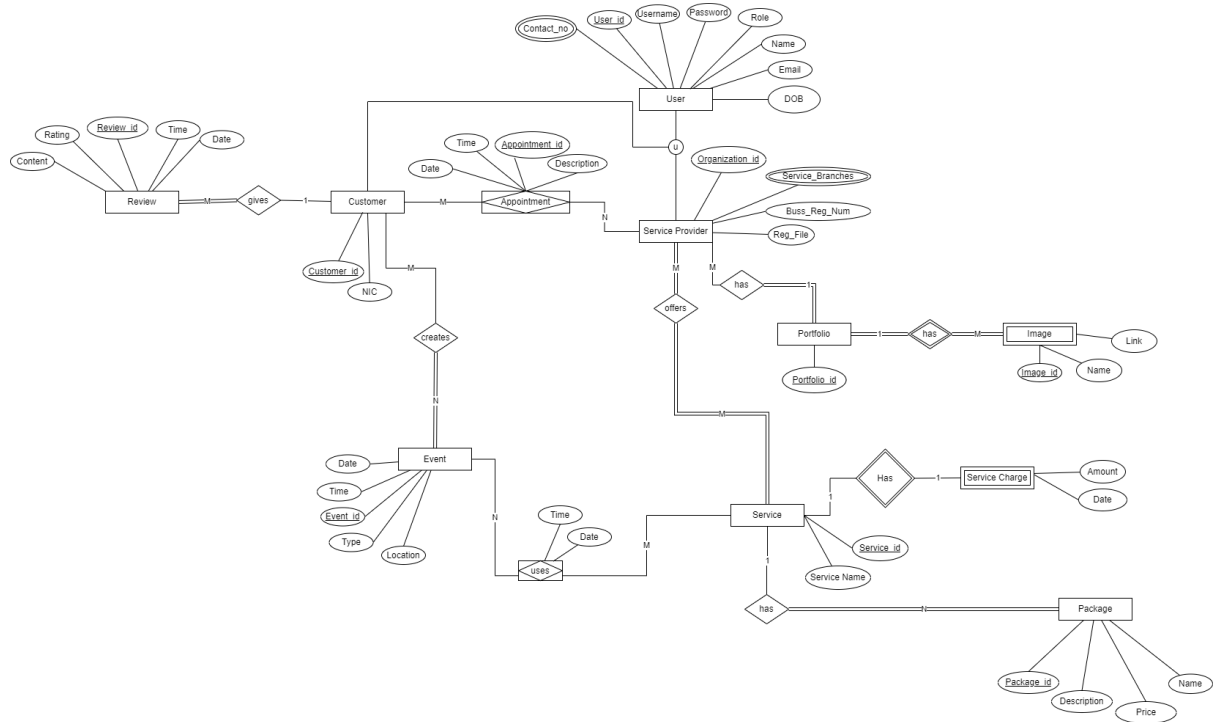
Use Case	Update the service status
Summary	Service providers and customers edit the status whether it is cancelled or ended.
Actors	Service providers and customer
Preconditions	Service providers and customers should be registered in the system
Description	Service providers and customers hit the 'edit business policies' button and change the status of the services and save made changes.
Exceptions	If the service providers and customer enter the edit page and change nothing, original service status will be still displayed in the system
Postconditions	Service providers and customers can edit the services status

Use Case	Chat
Summary	Service providers can use chat option
Actors	Service provider
Preconditions	User should login to the system
Description	Service provider can use the chat component to build their conversation and it will be more facilitated to share their requirements and additional details.
Exceptions	None
Postconditions	Users can book the if they both agree

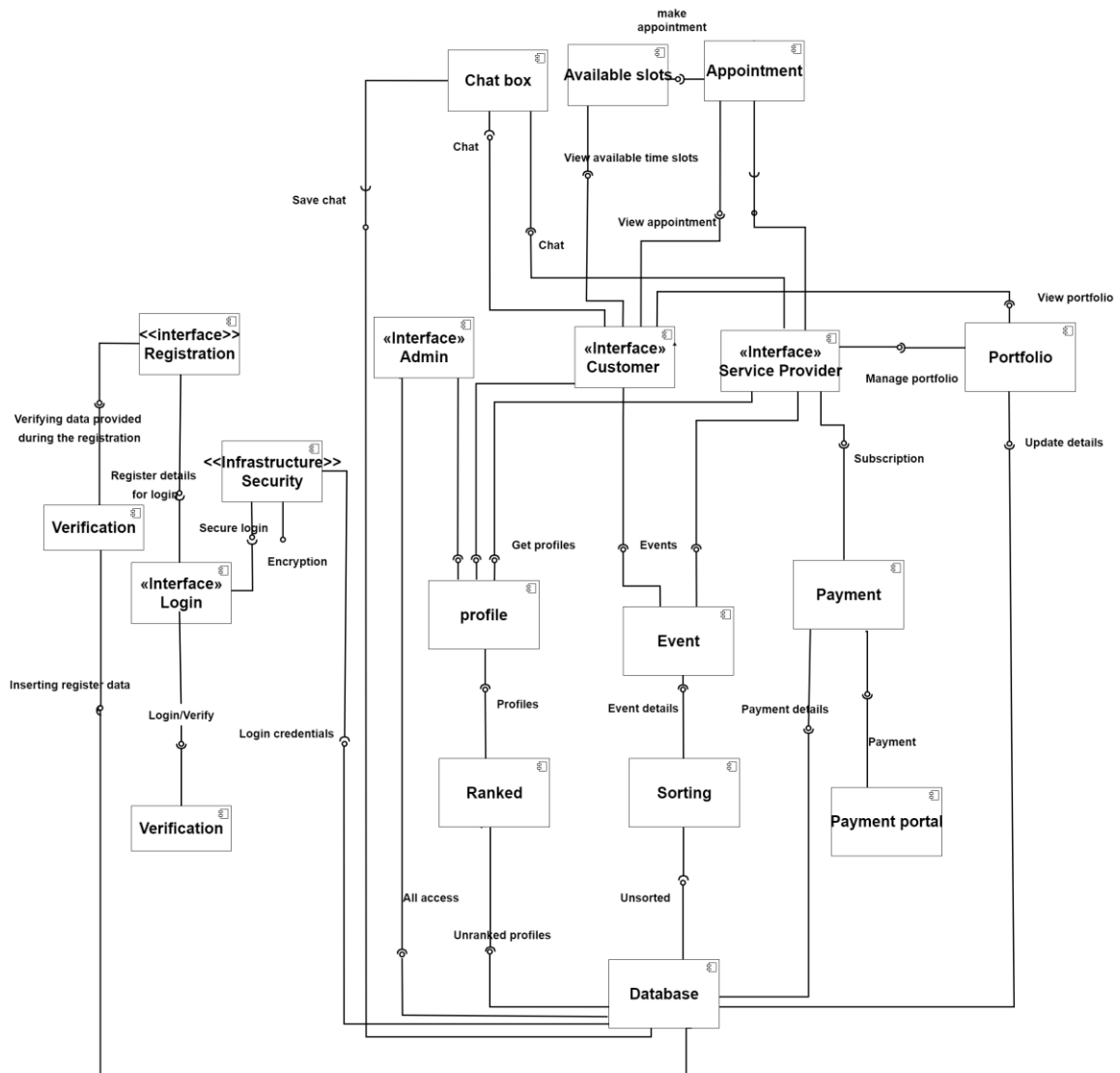
8.3. Class Diagram.



8.4. EER Diagram



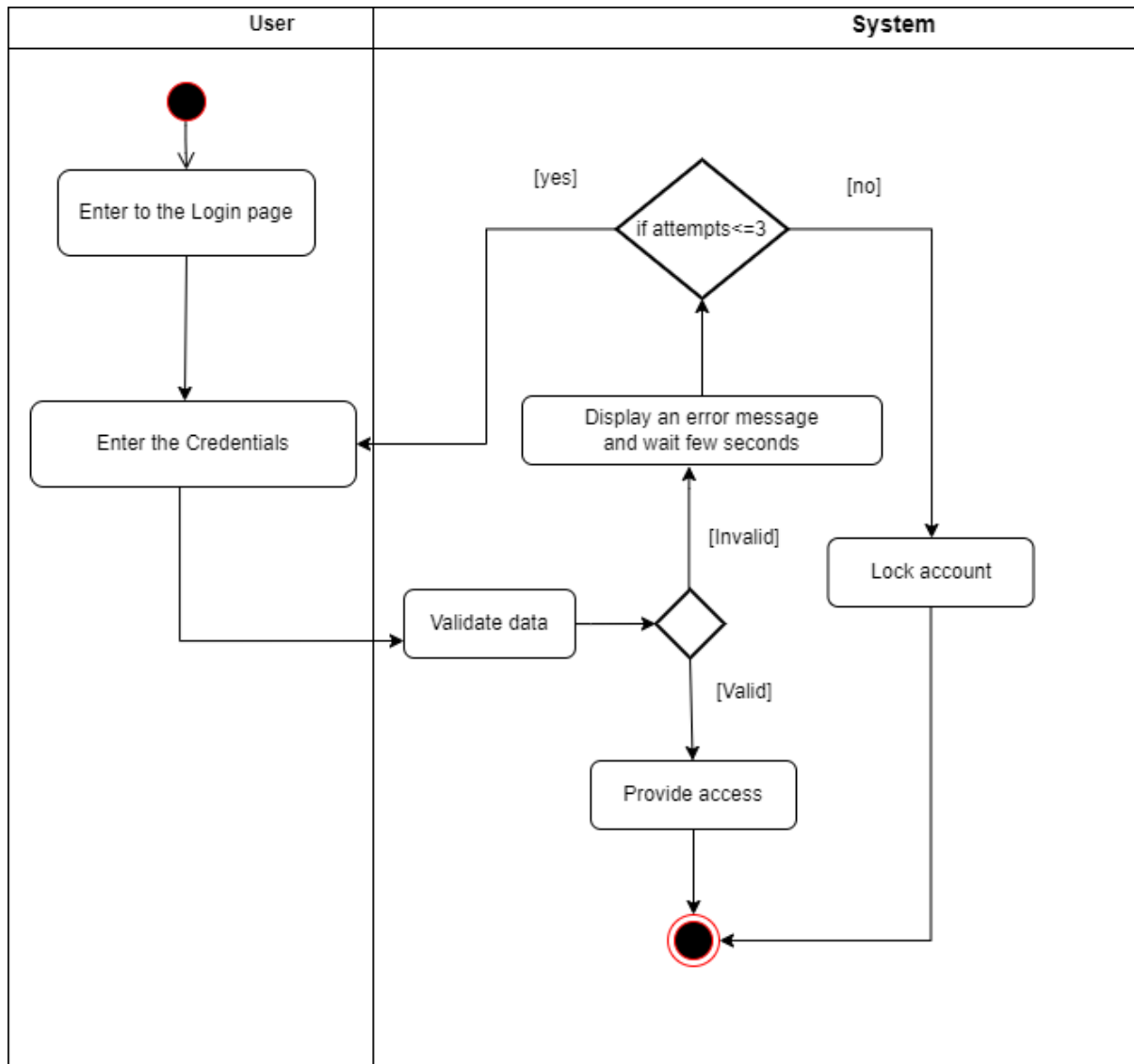
8.5. Component Diagram.



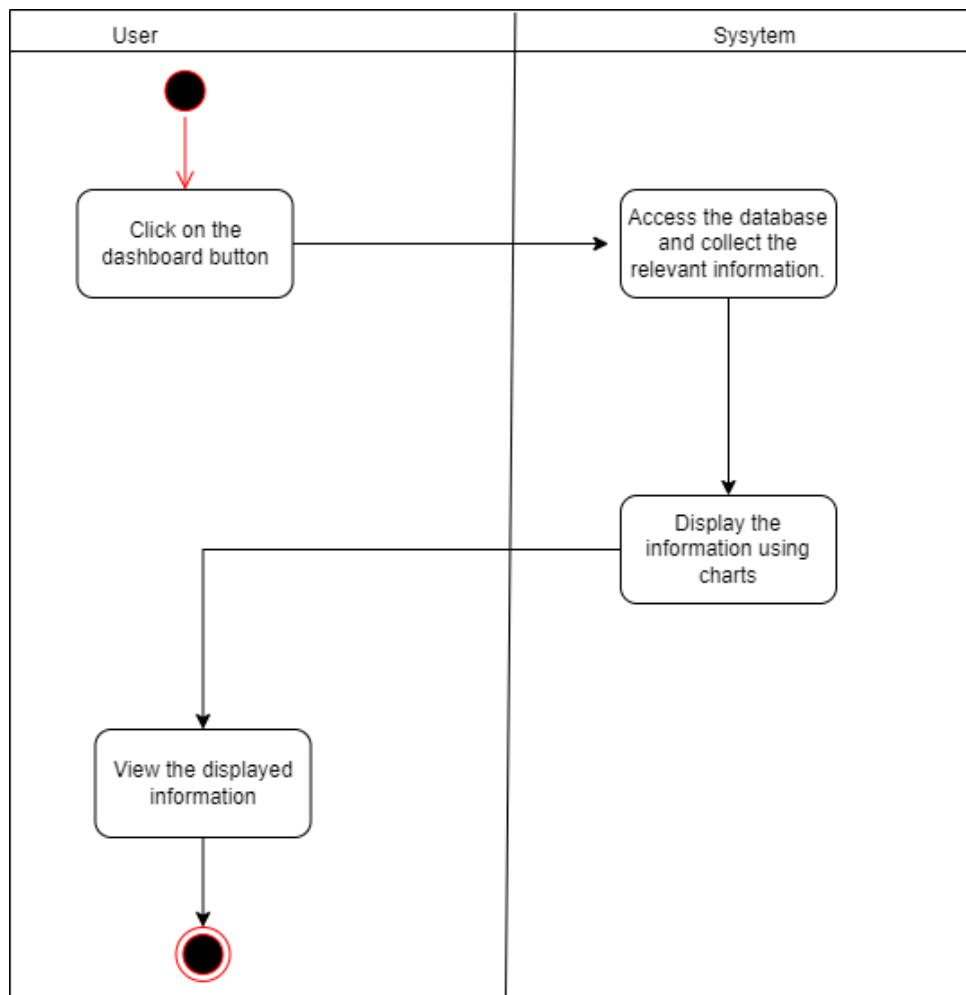
8.6. Activity Diagrams.

8.6.1. All Users

Login

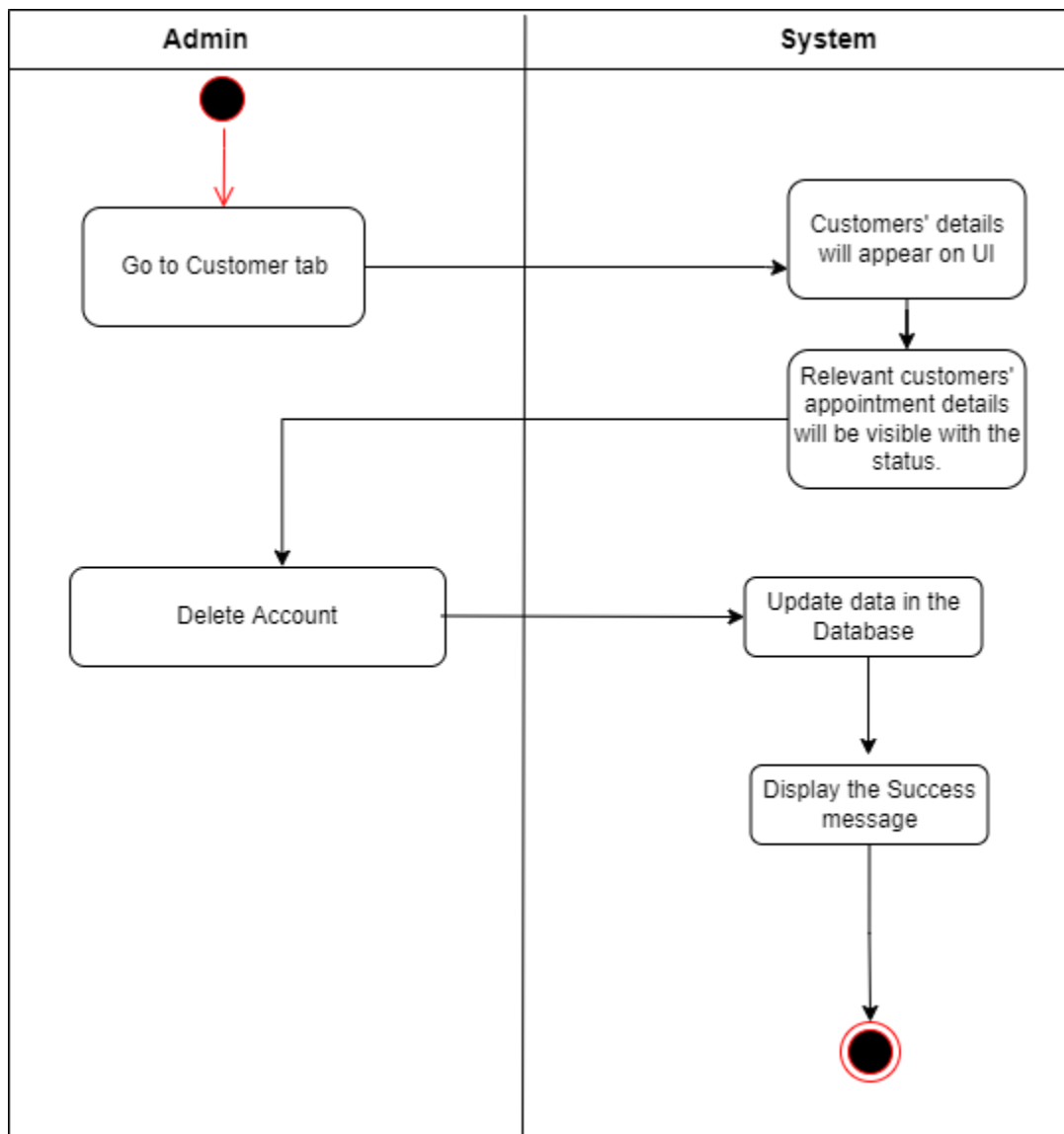


View dashboard

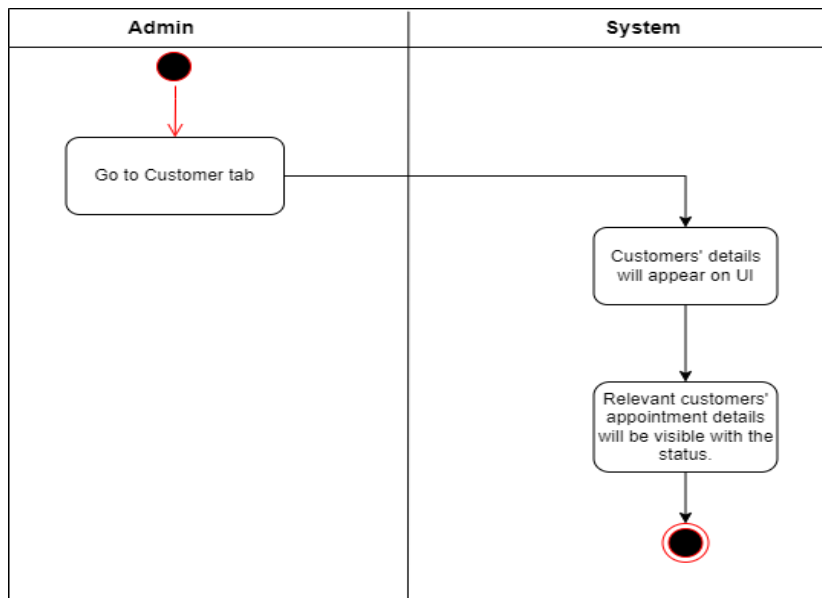


8.6.2. Admin

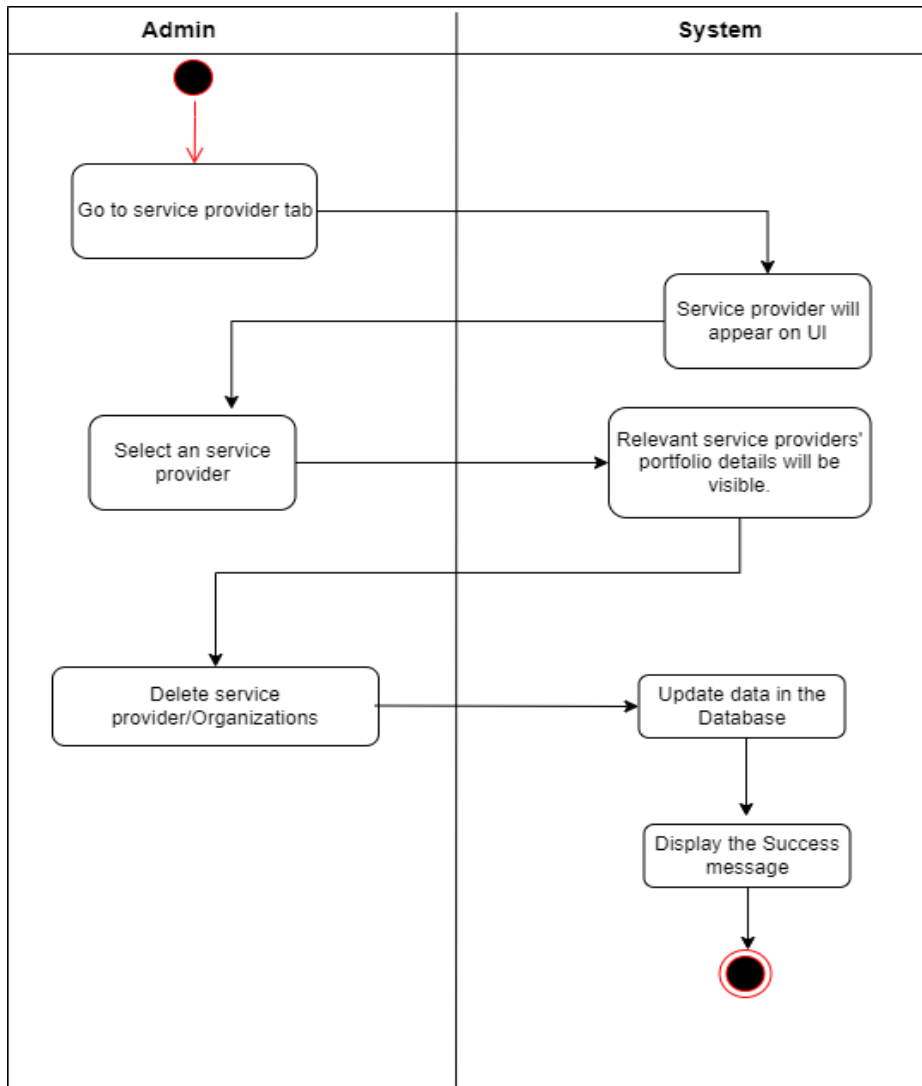
Manage customer



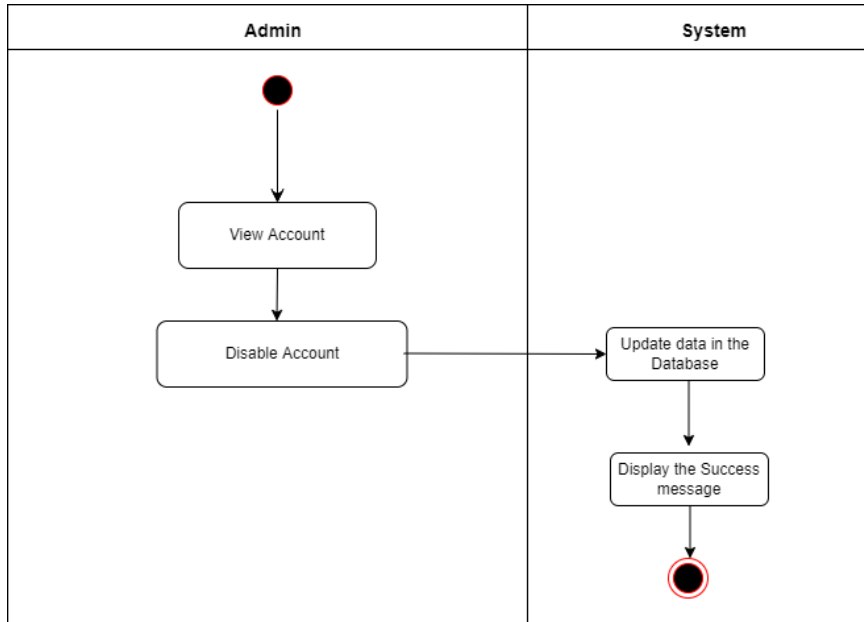
View customer



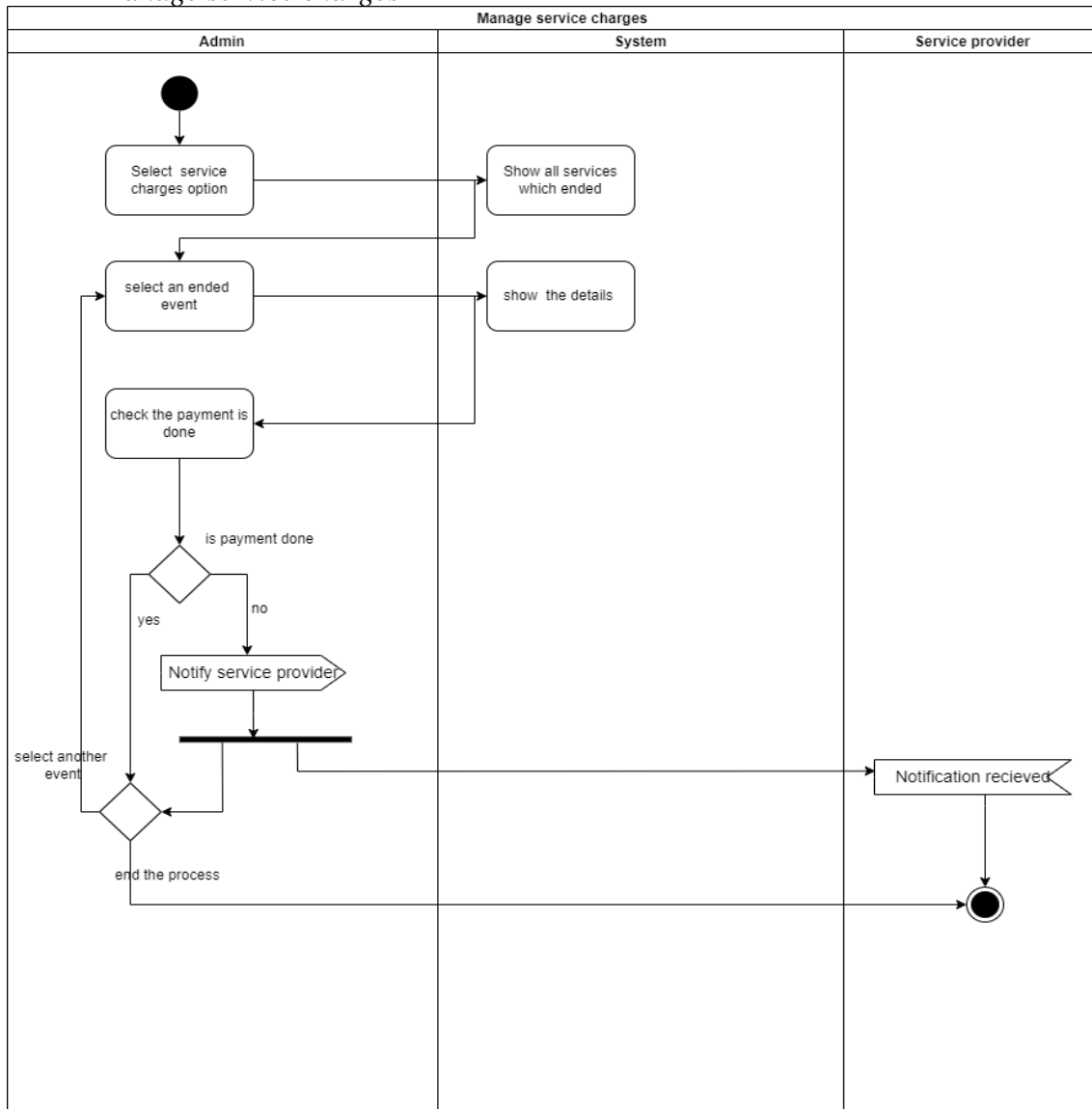
Manage service providers



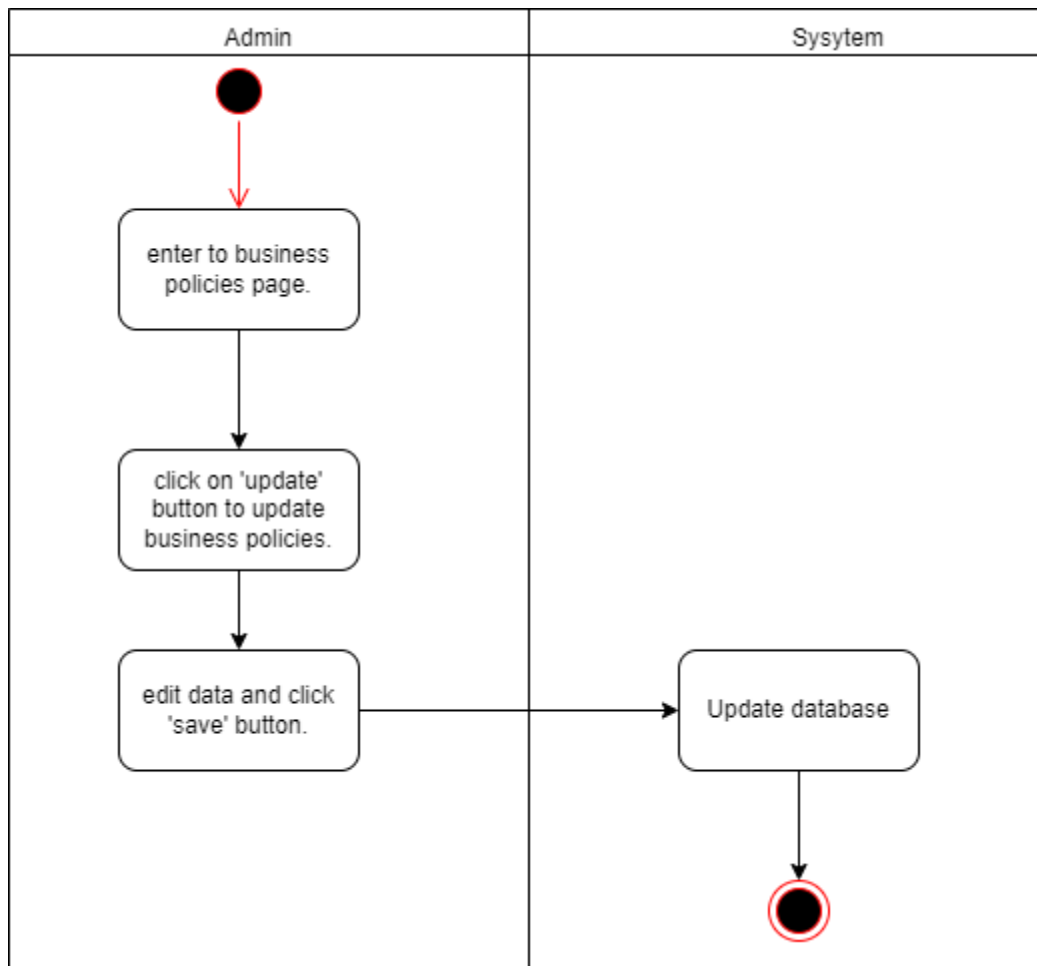
Disable users



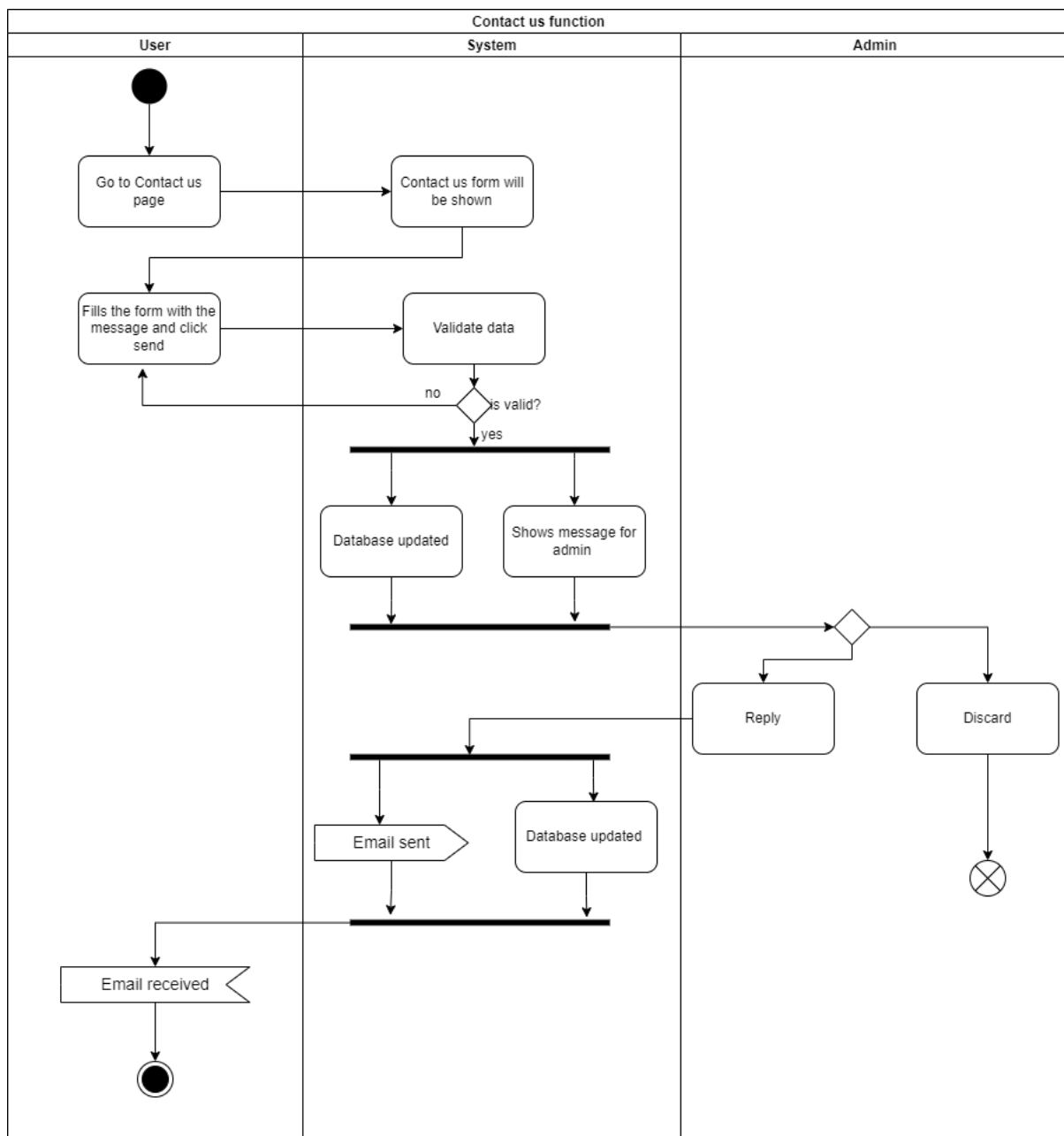
Manage service charges



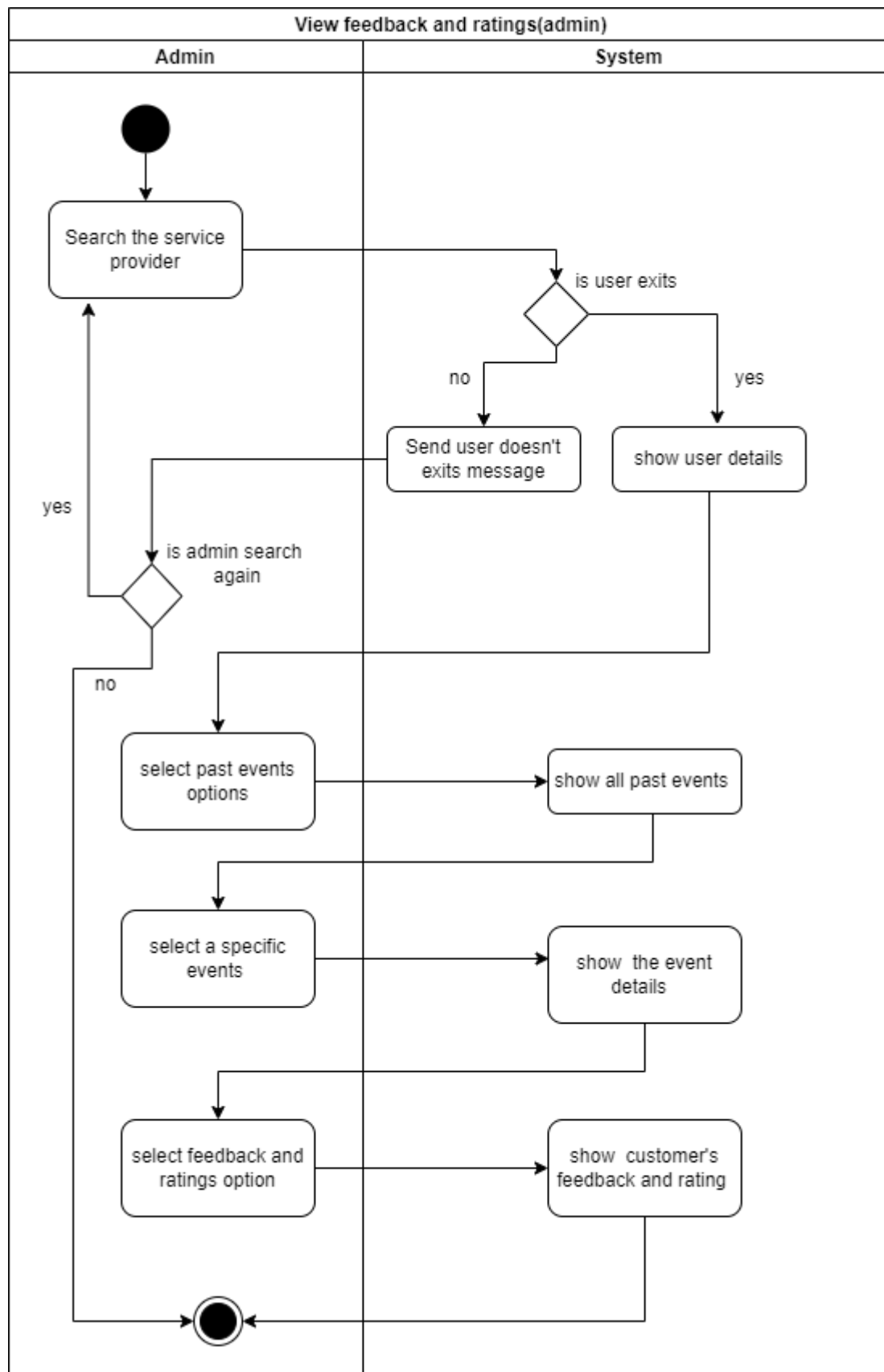
Update business policies



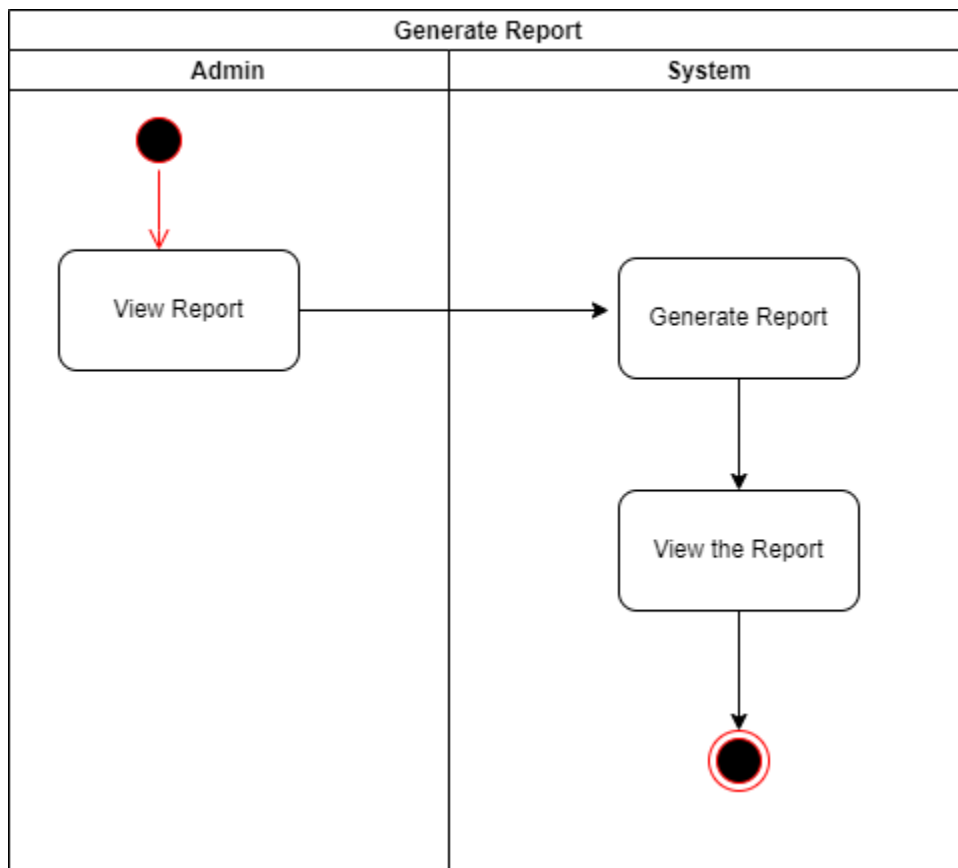
Manage contact us



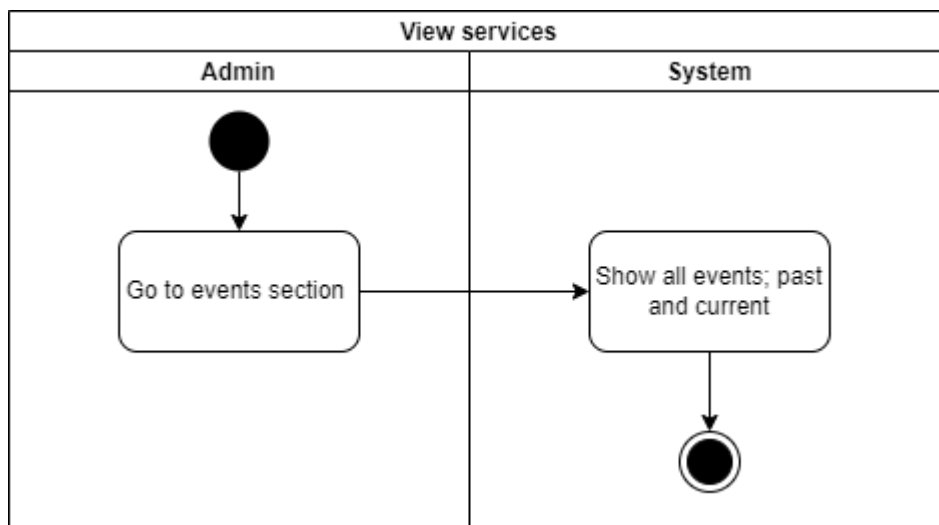
View feedback and ratings



Generate report

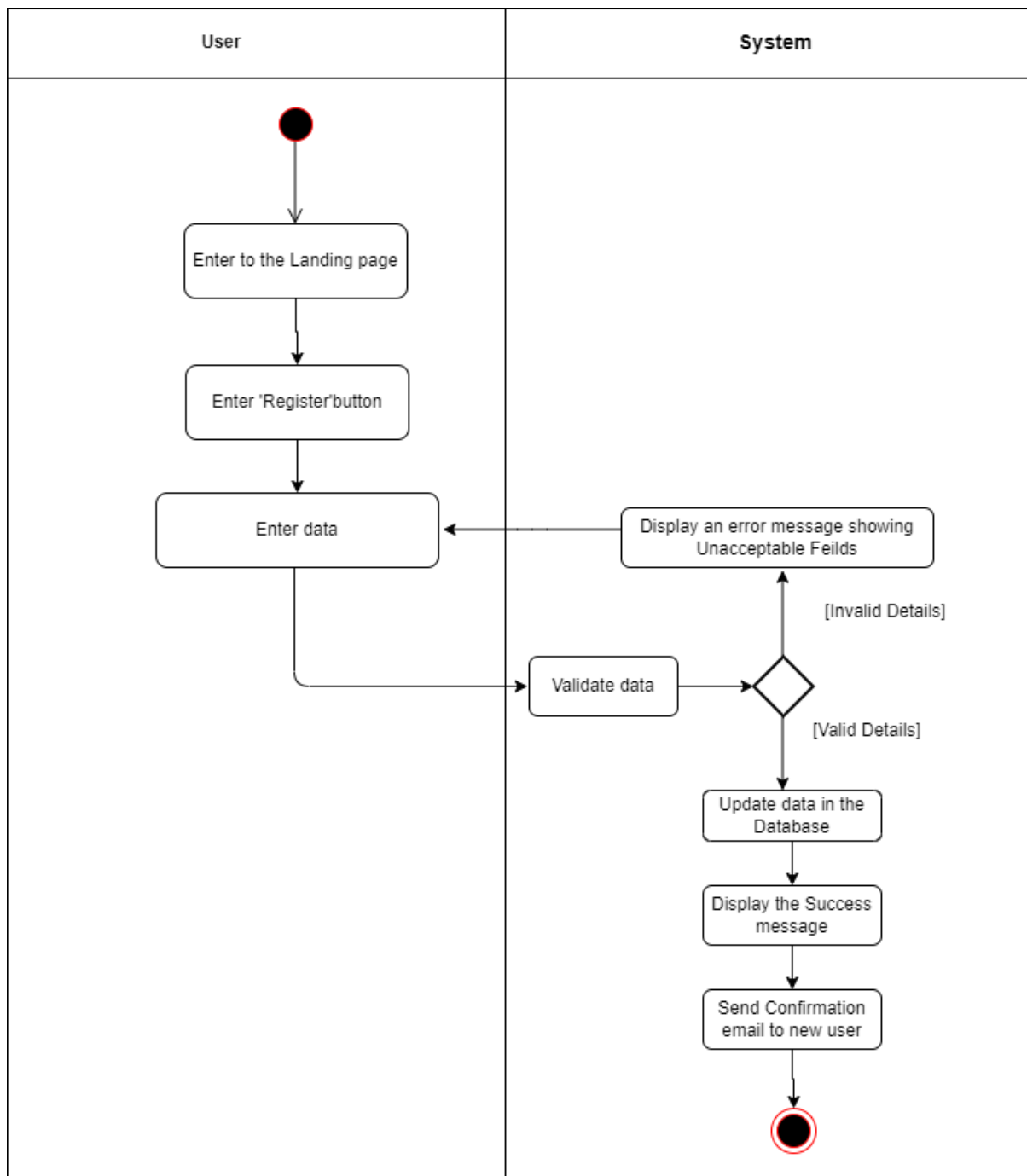


View event

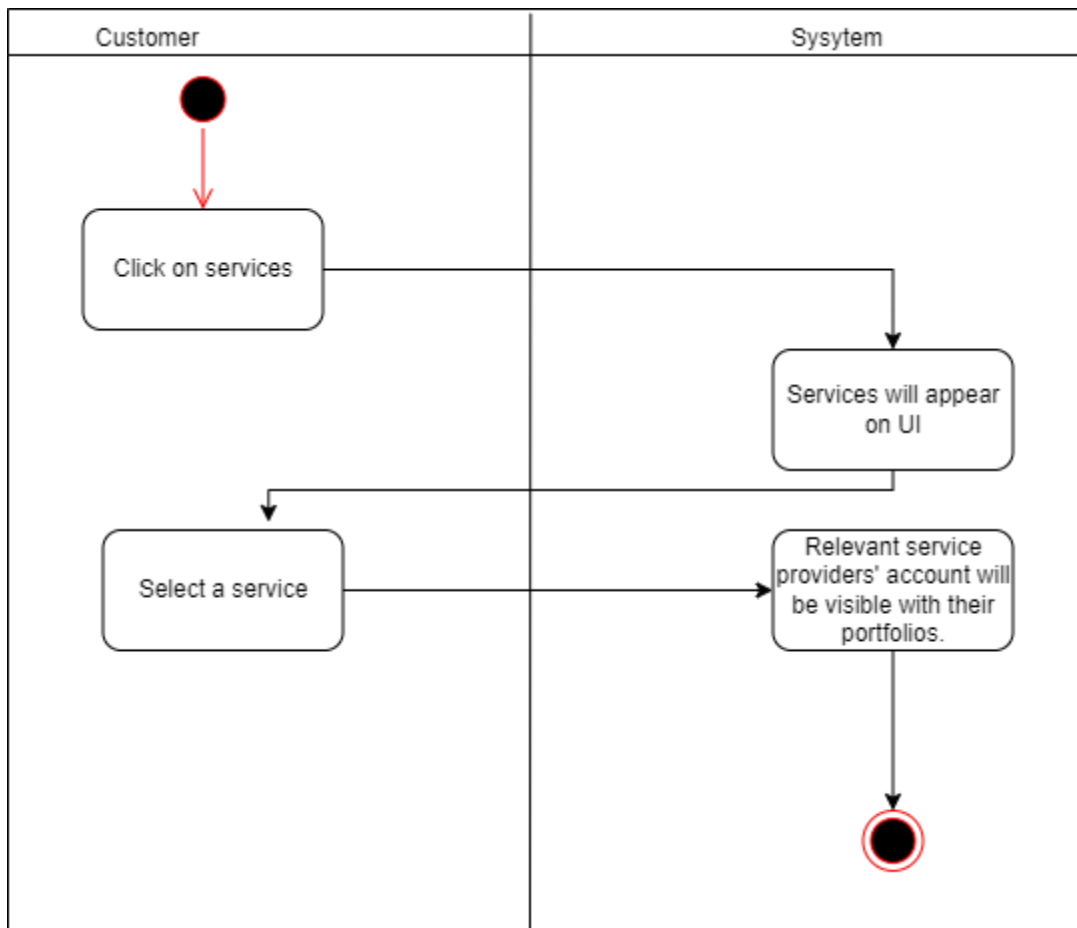


8.6.3. Customer

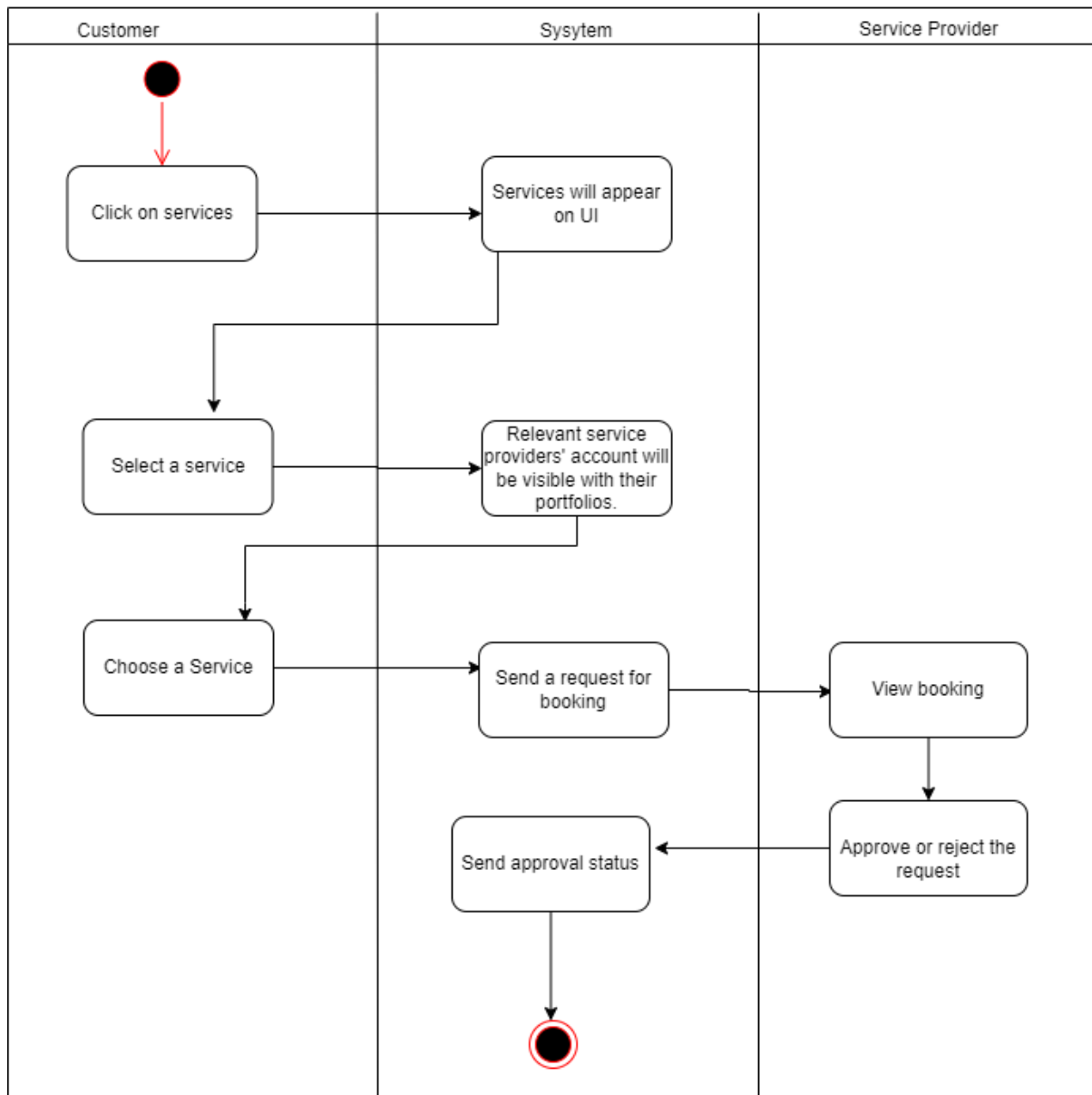
Register



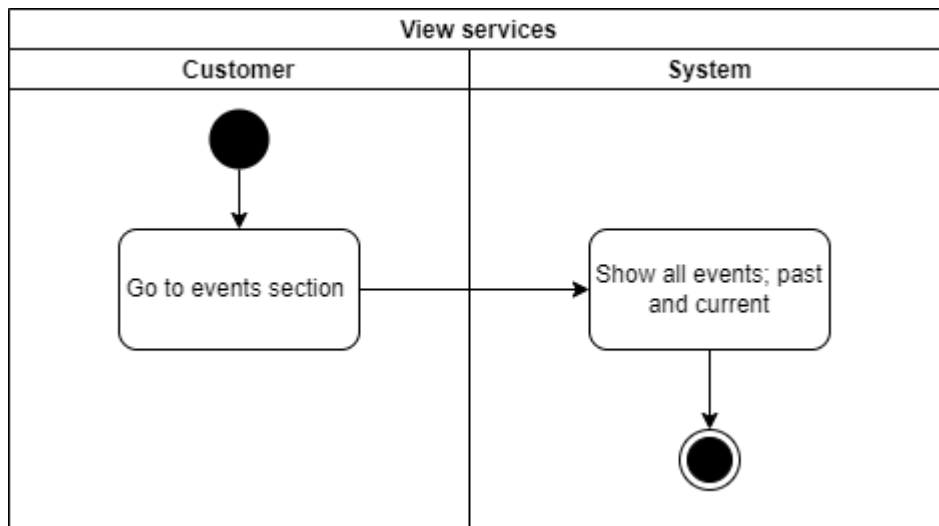
Search services



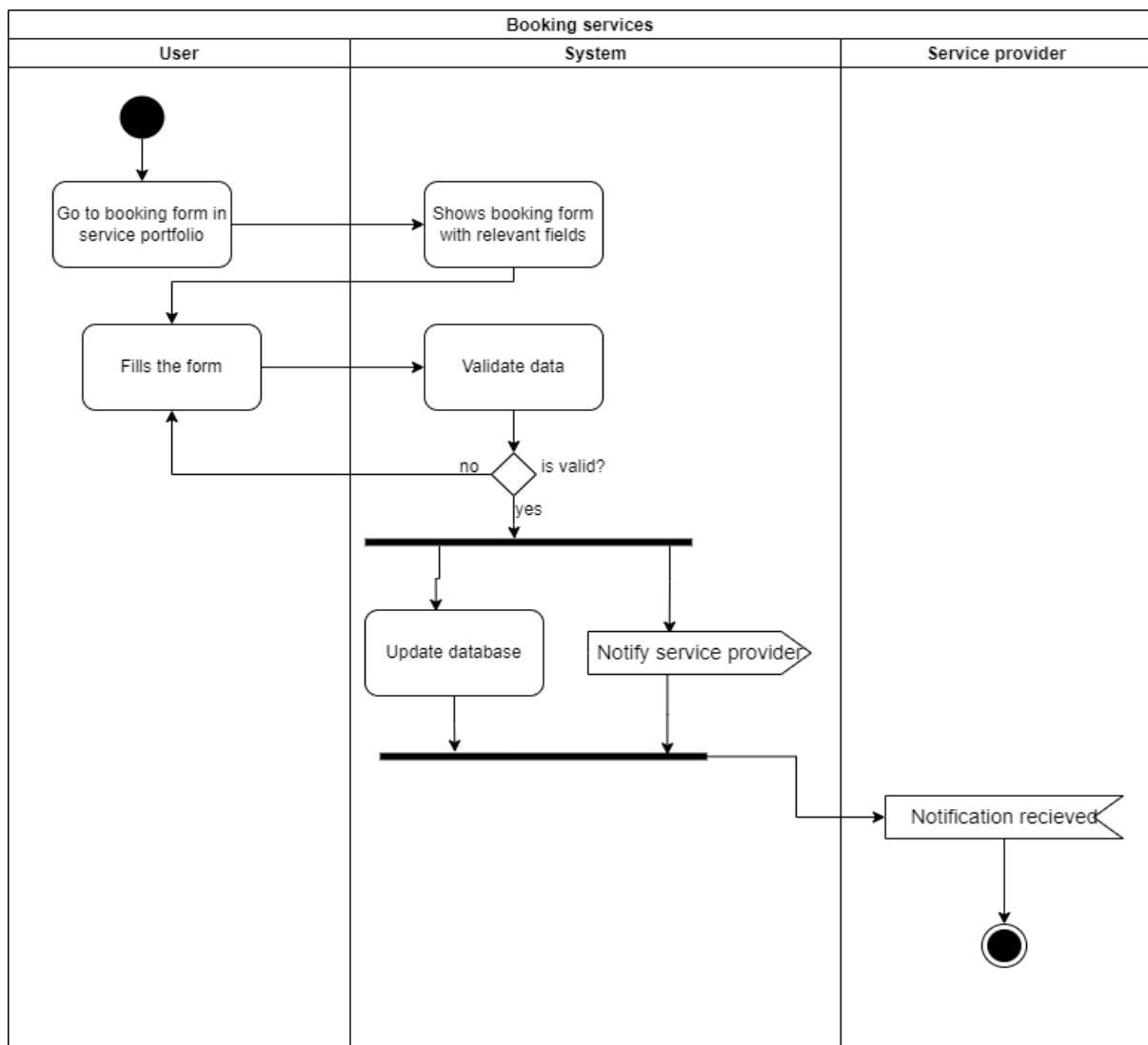
Choose services



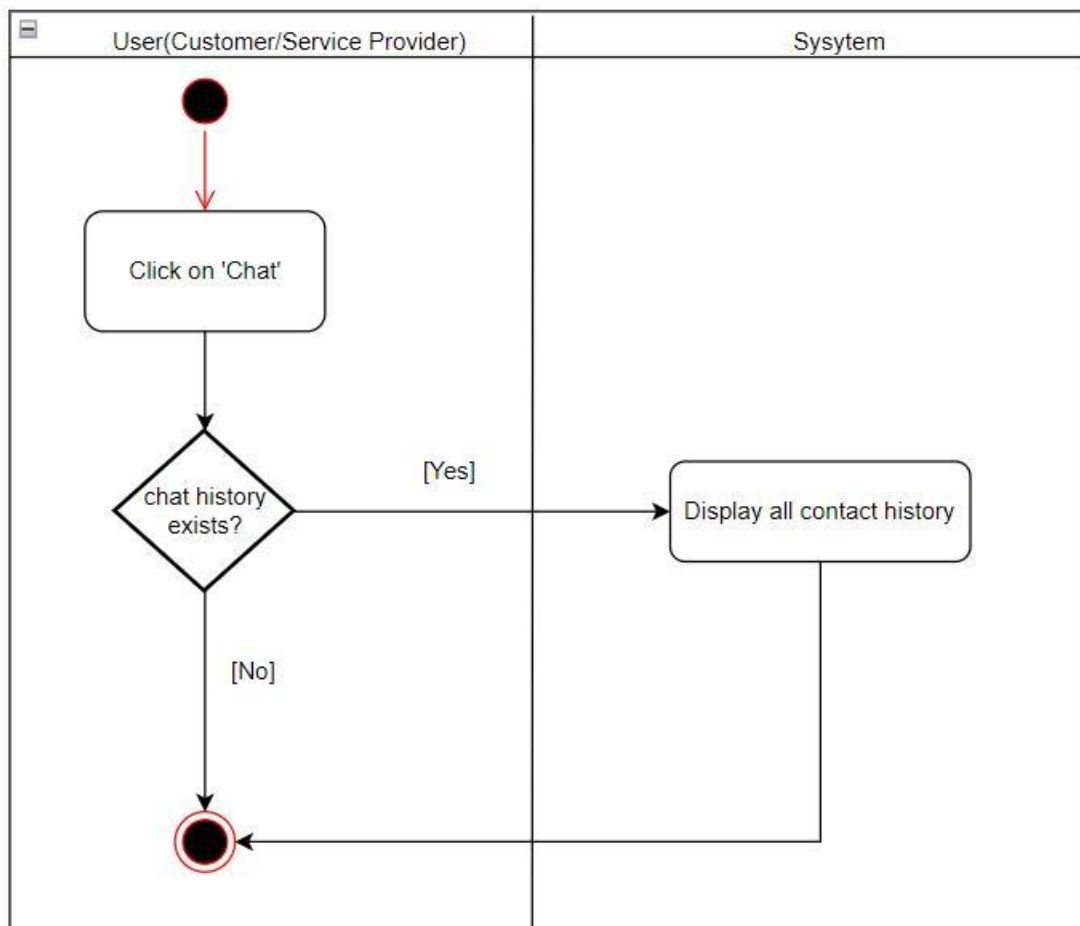
View event



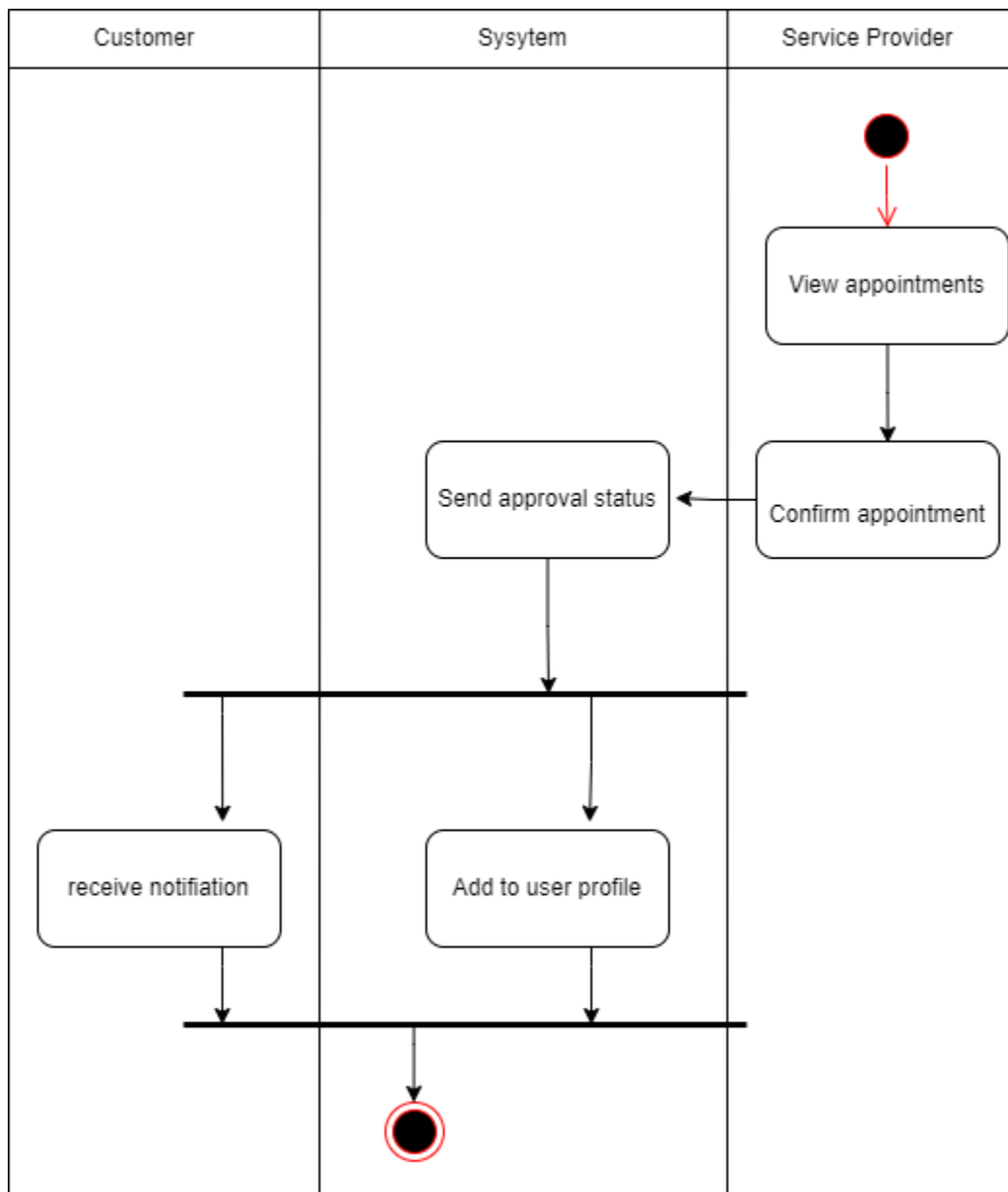
Booking services



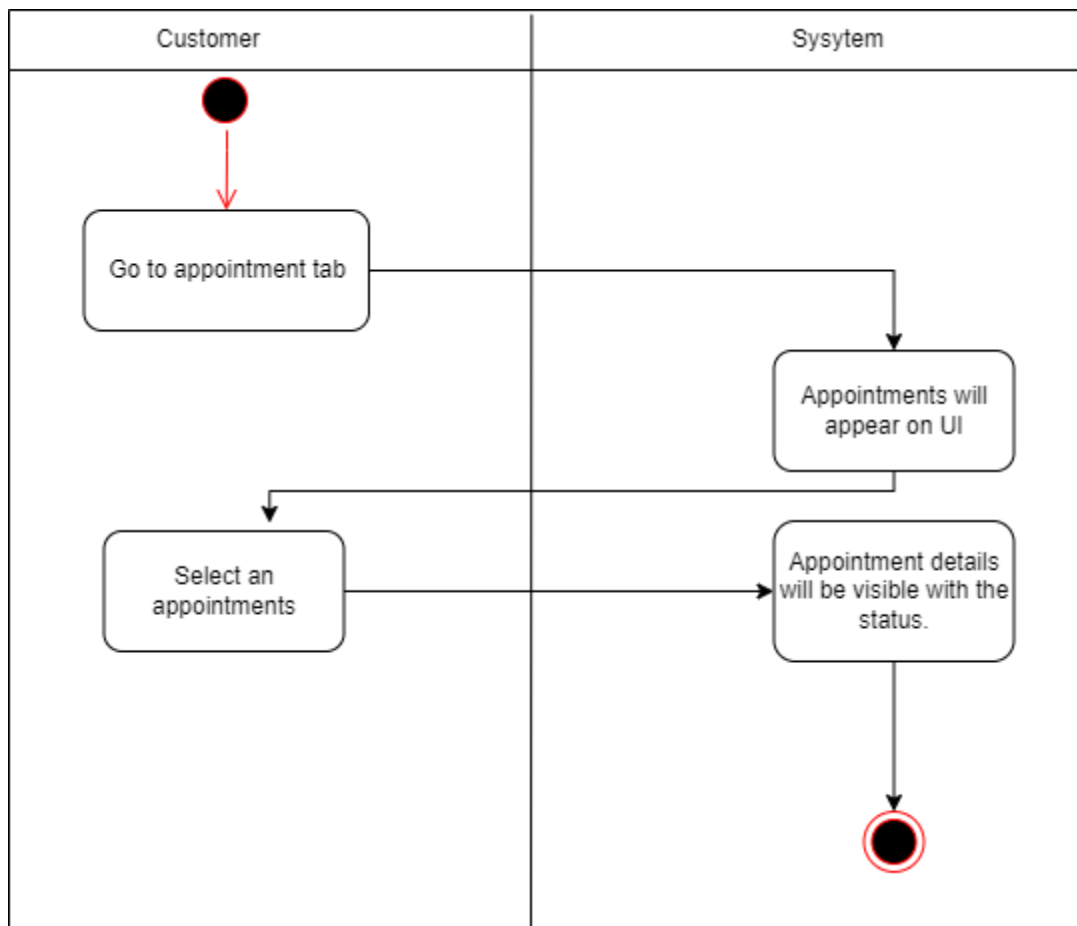
Chat



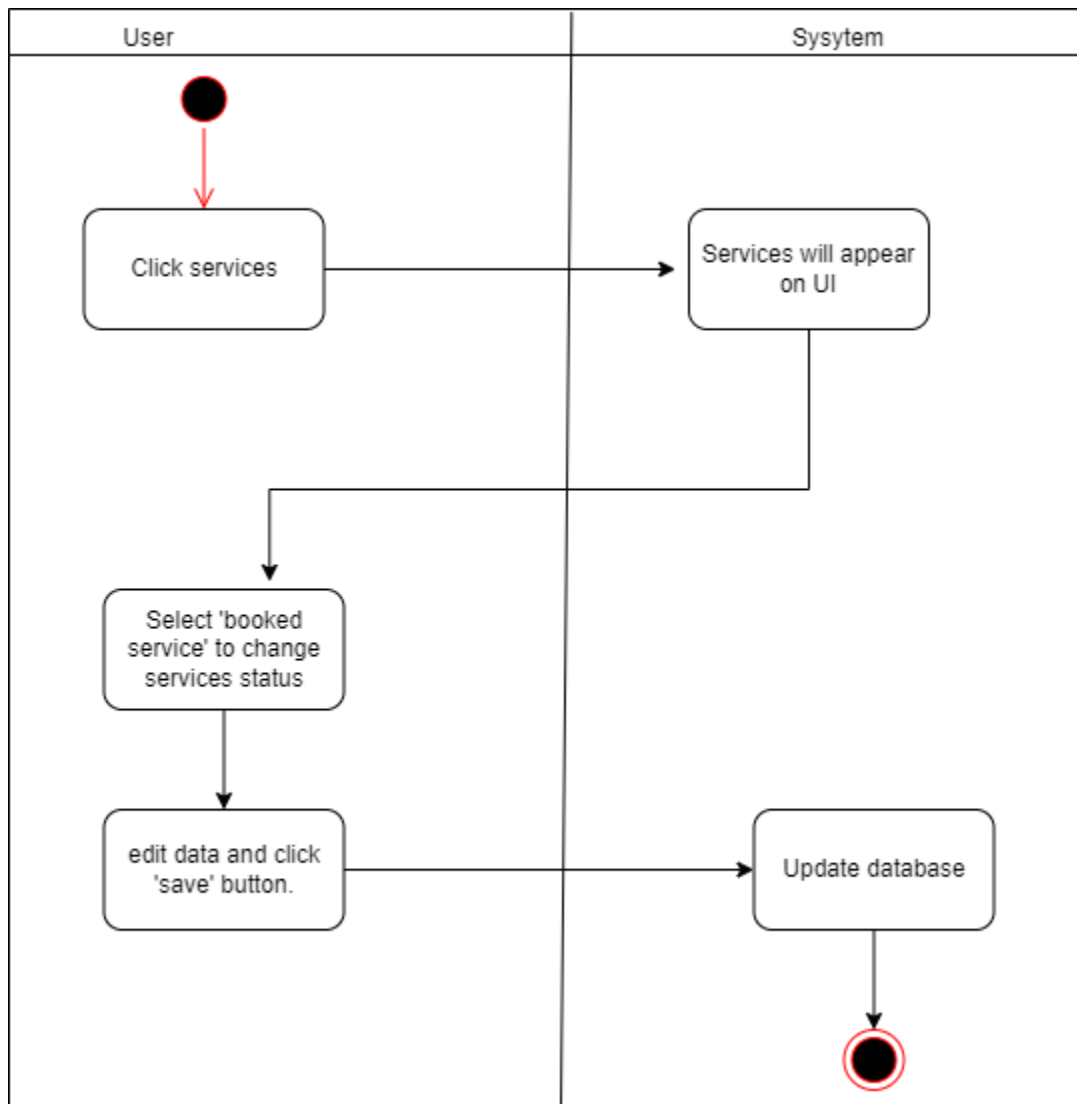
Schedule appointment



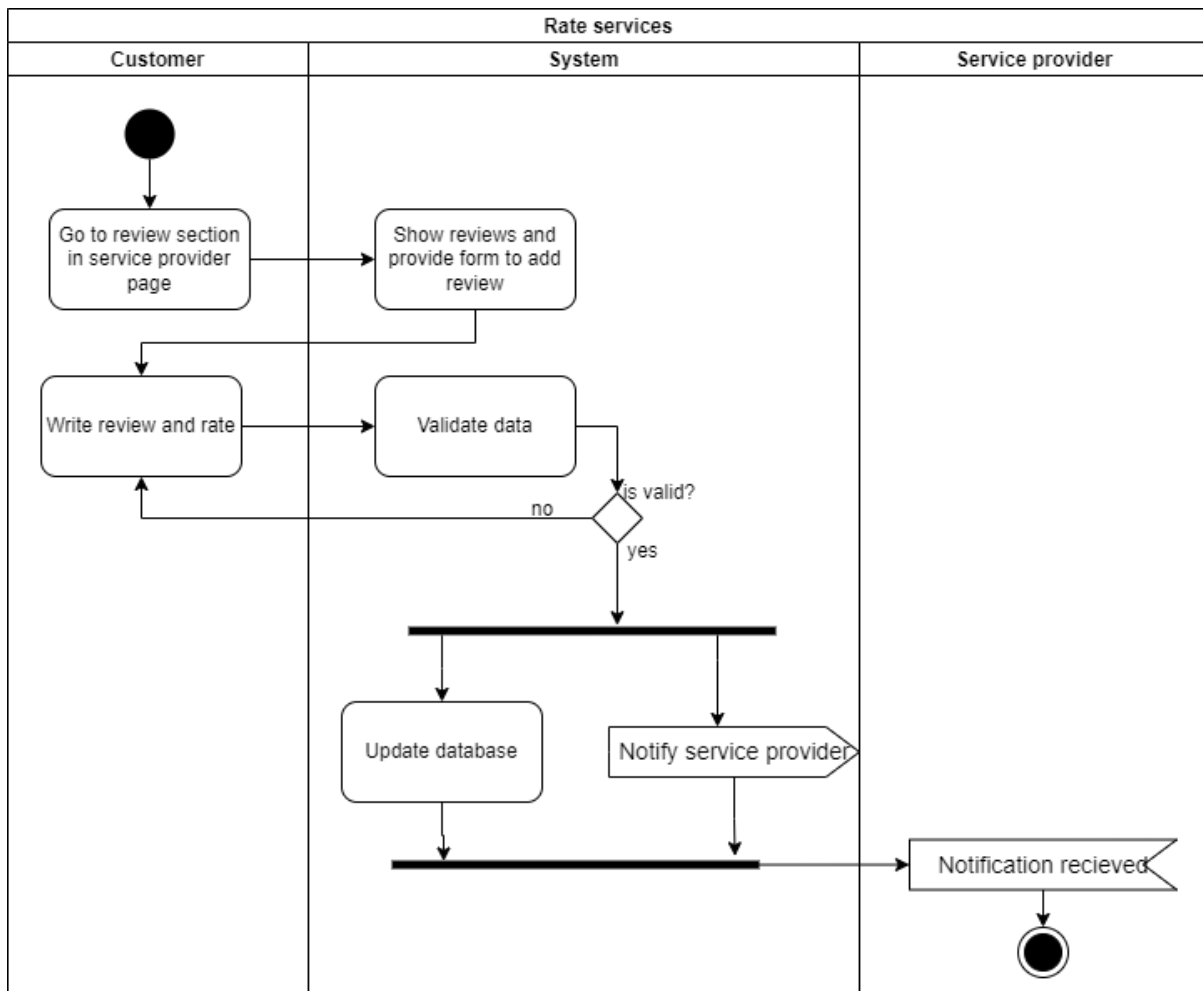
View appointment status



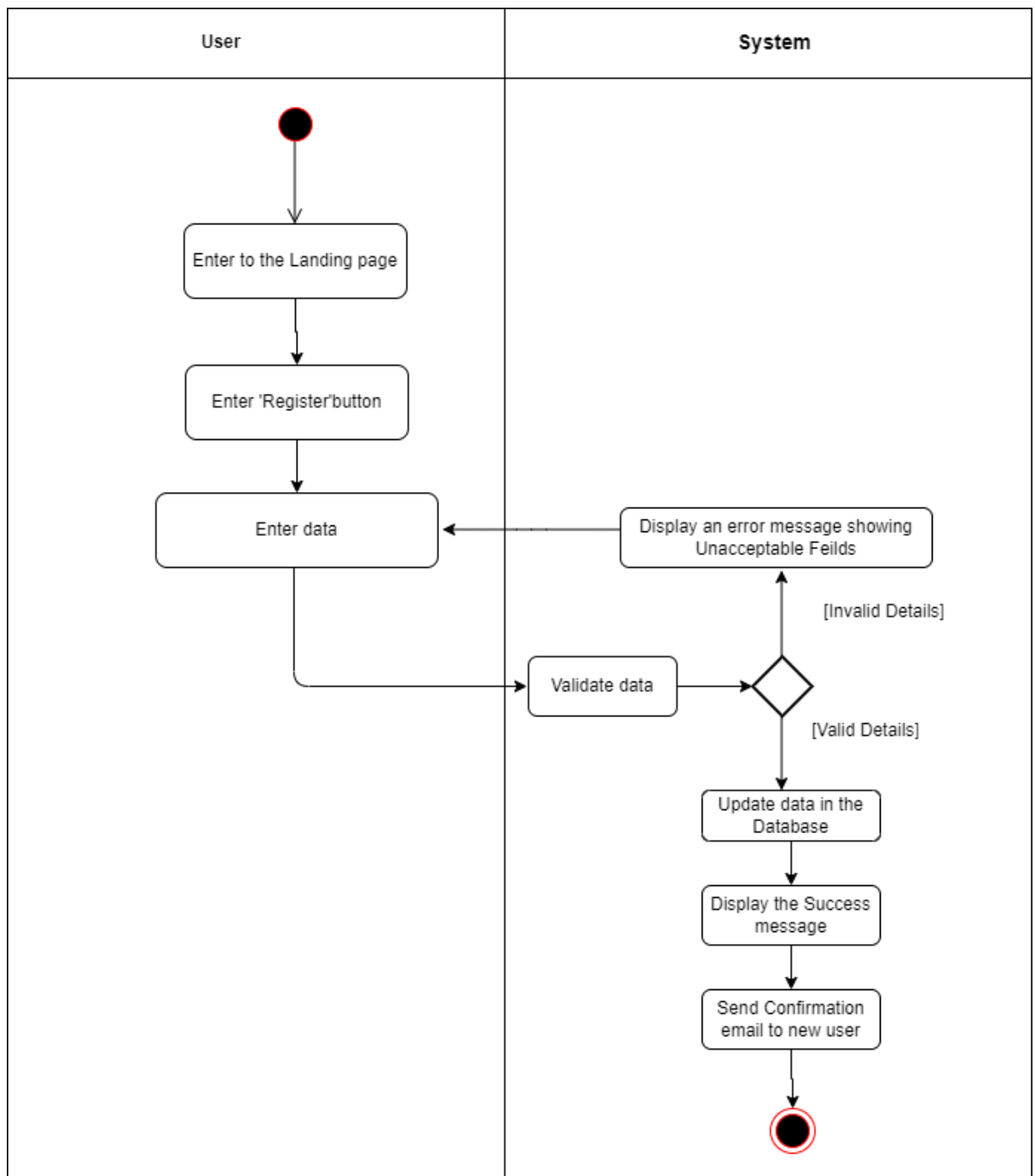
Update the service status



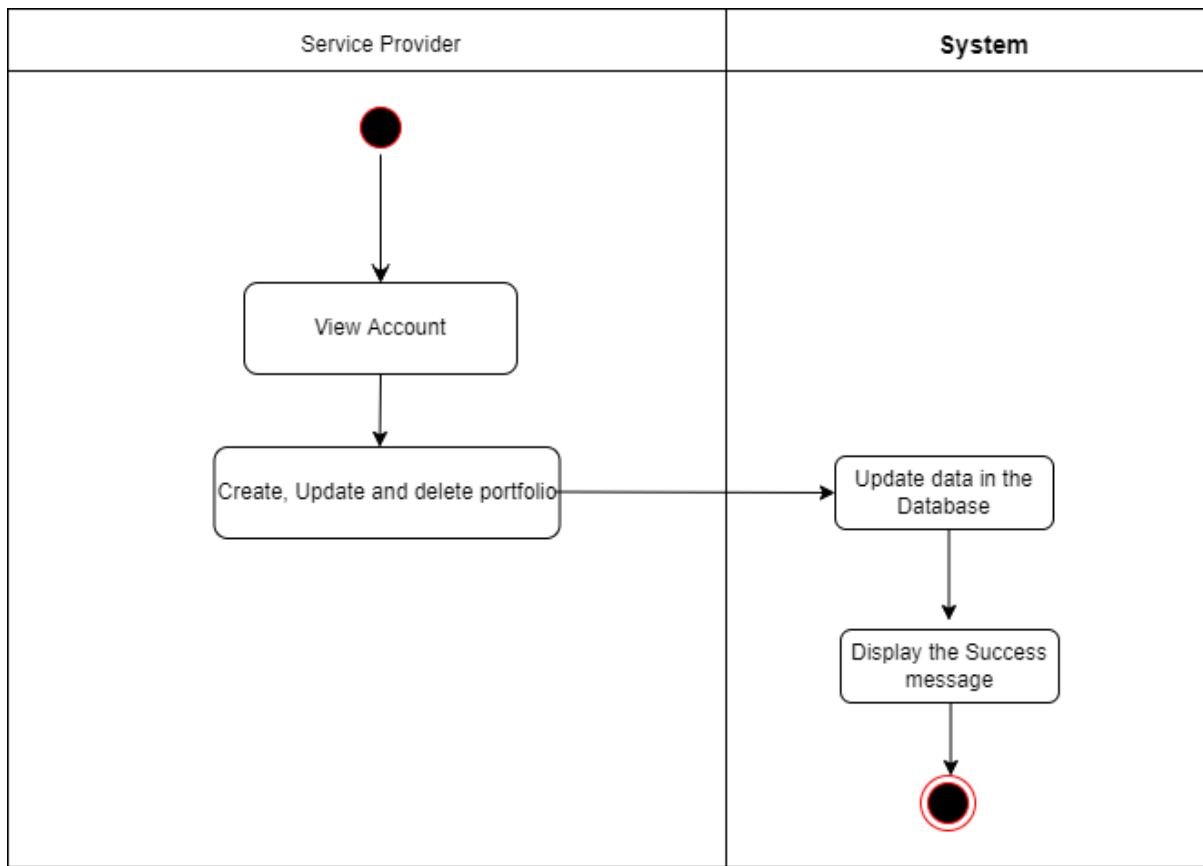
Ratings and feedbacks



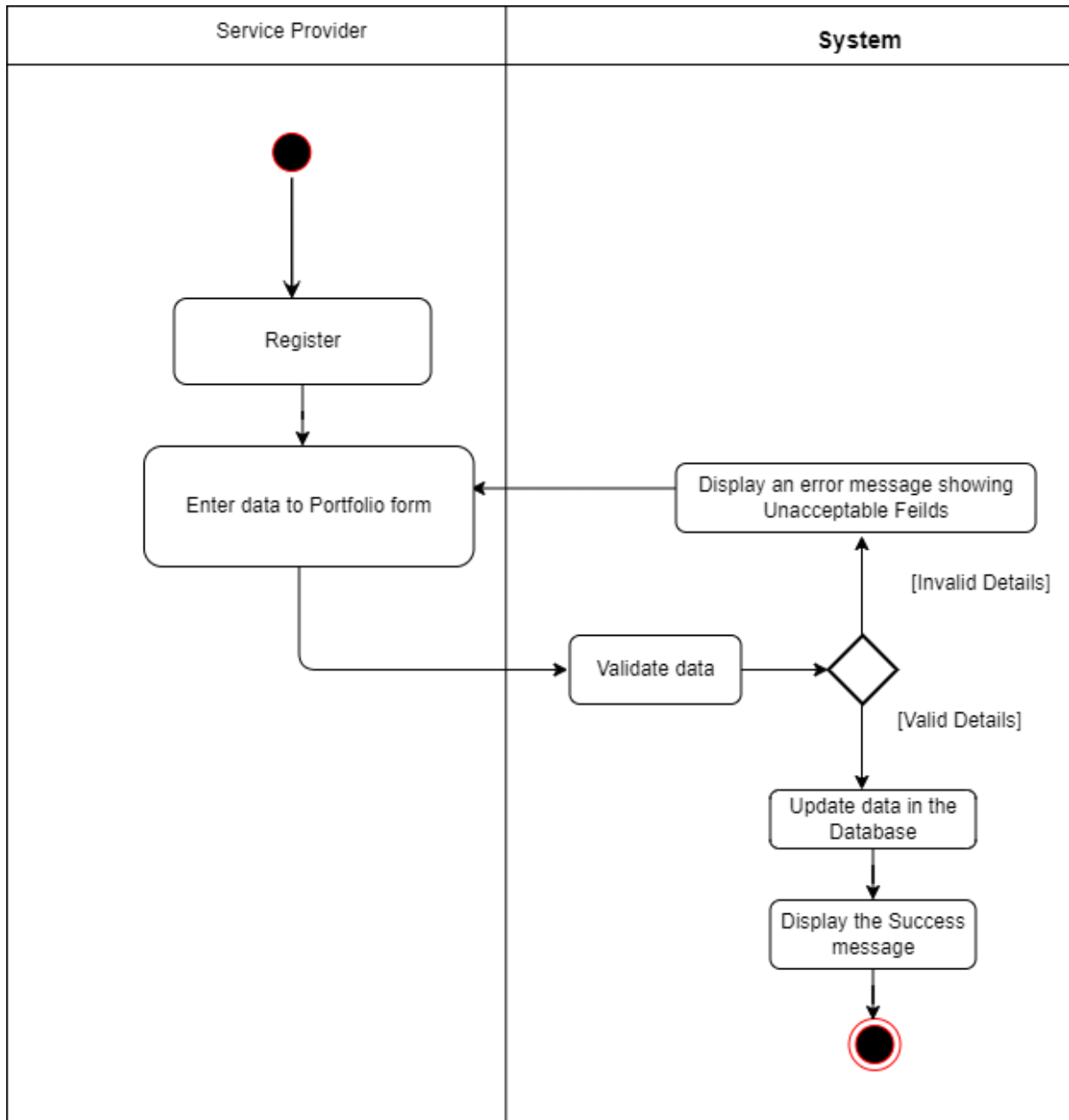
8.6.4. Service Provider Register



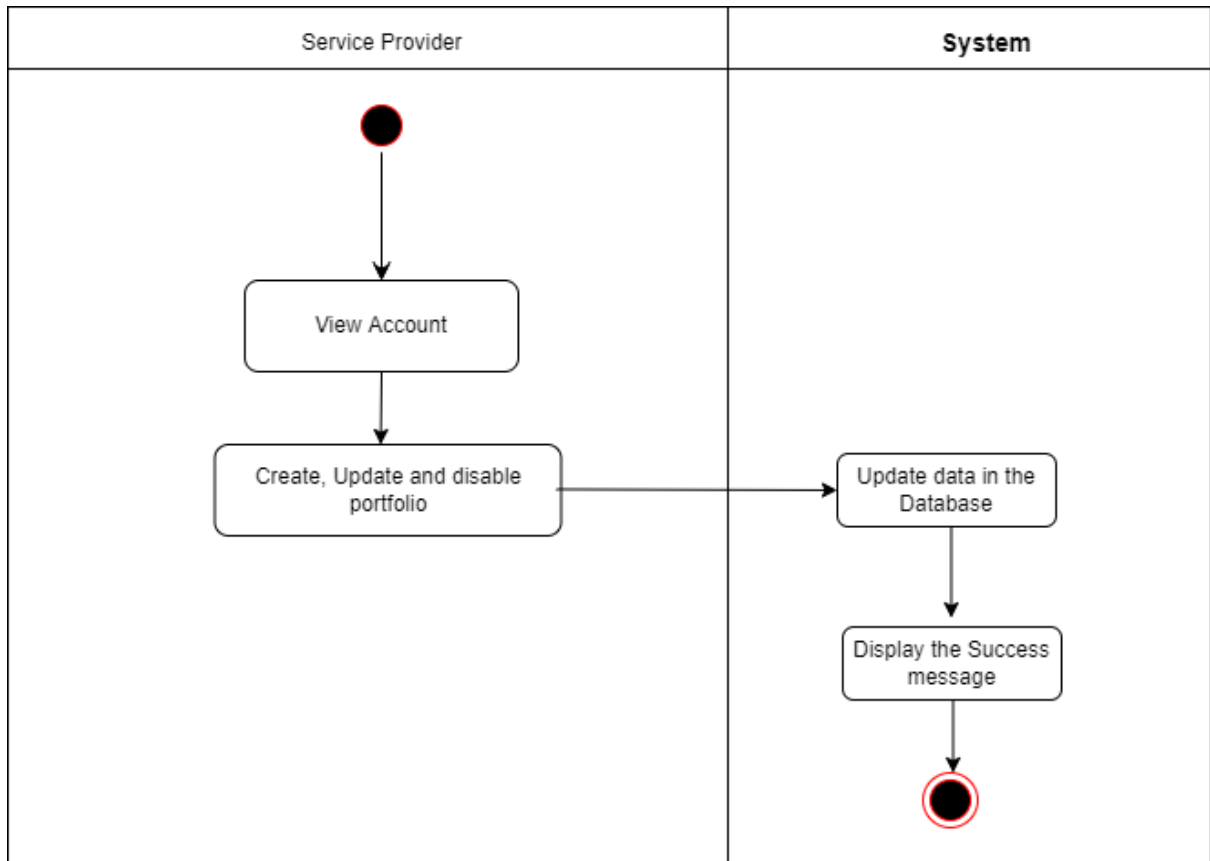
Manage portfolios



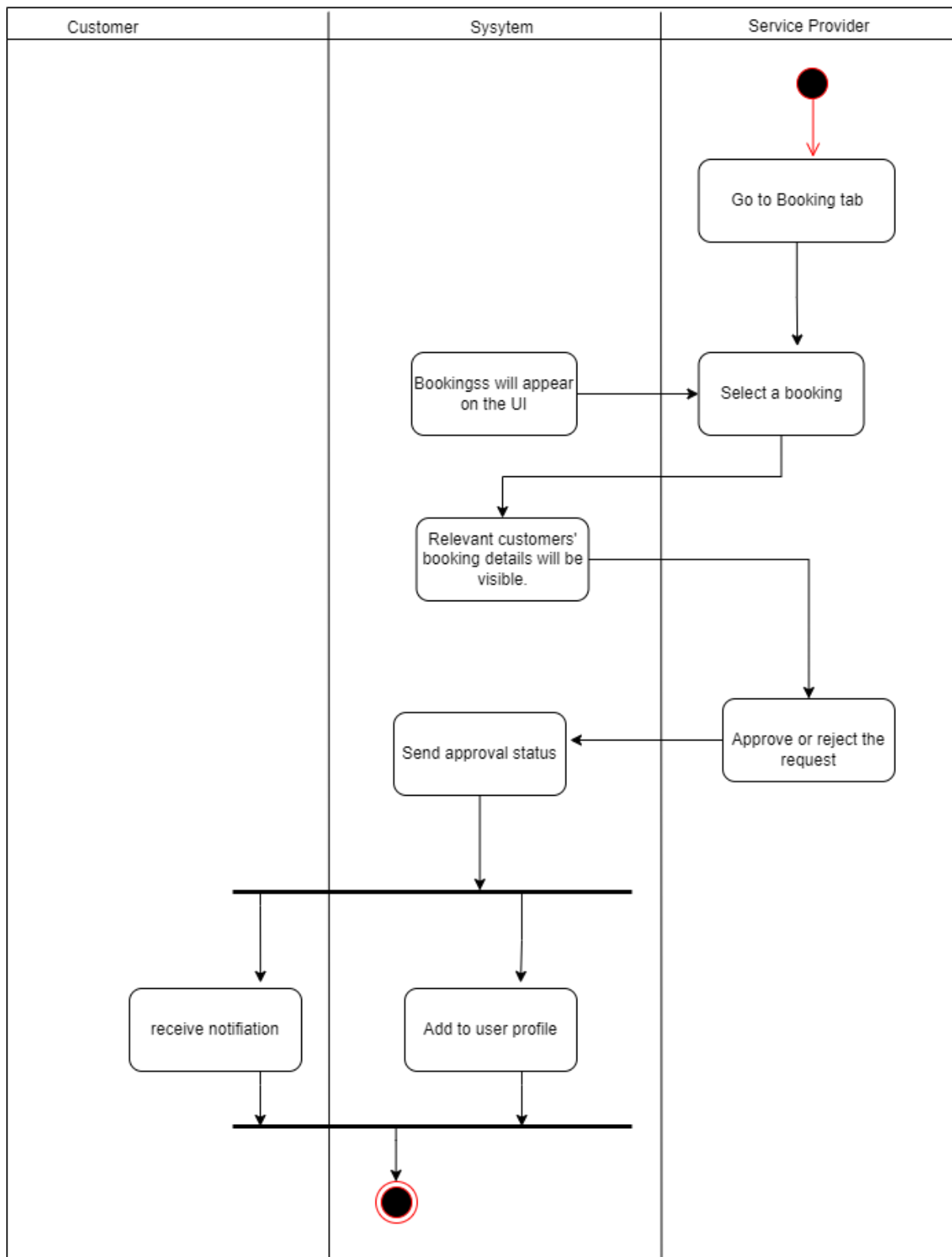
Create portfolios



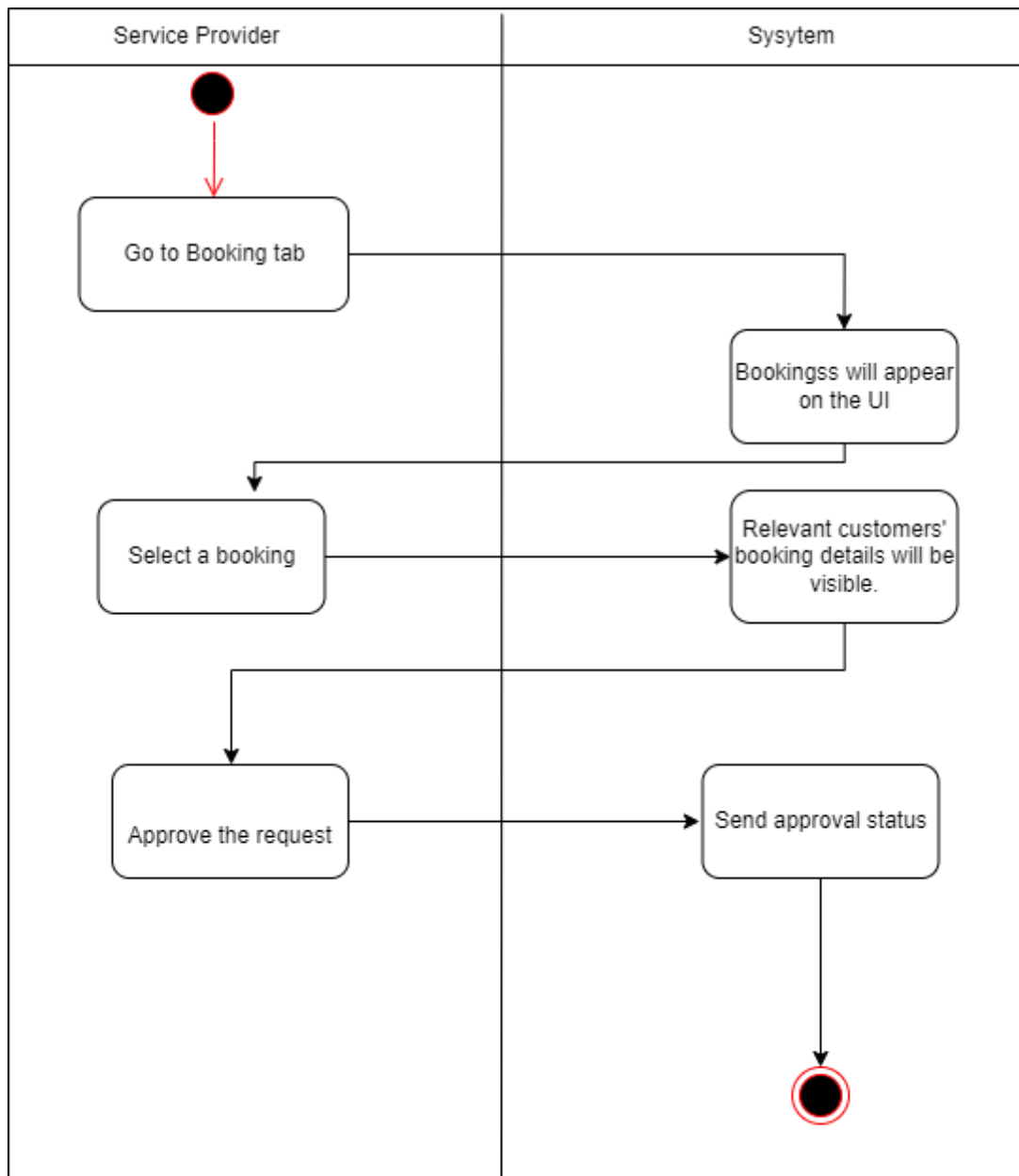
Disable portfolios



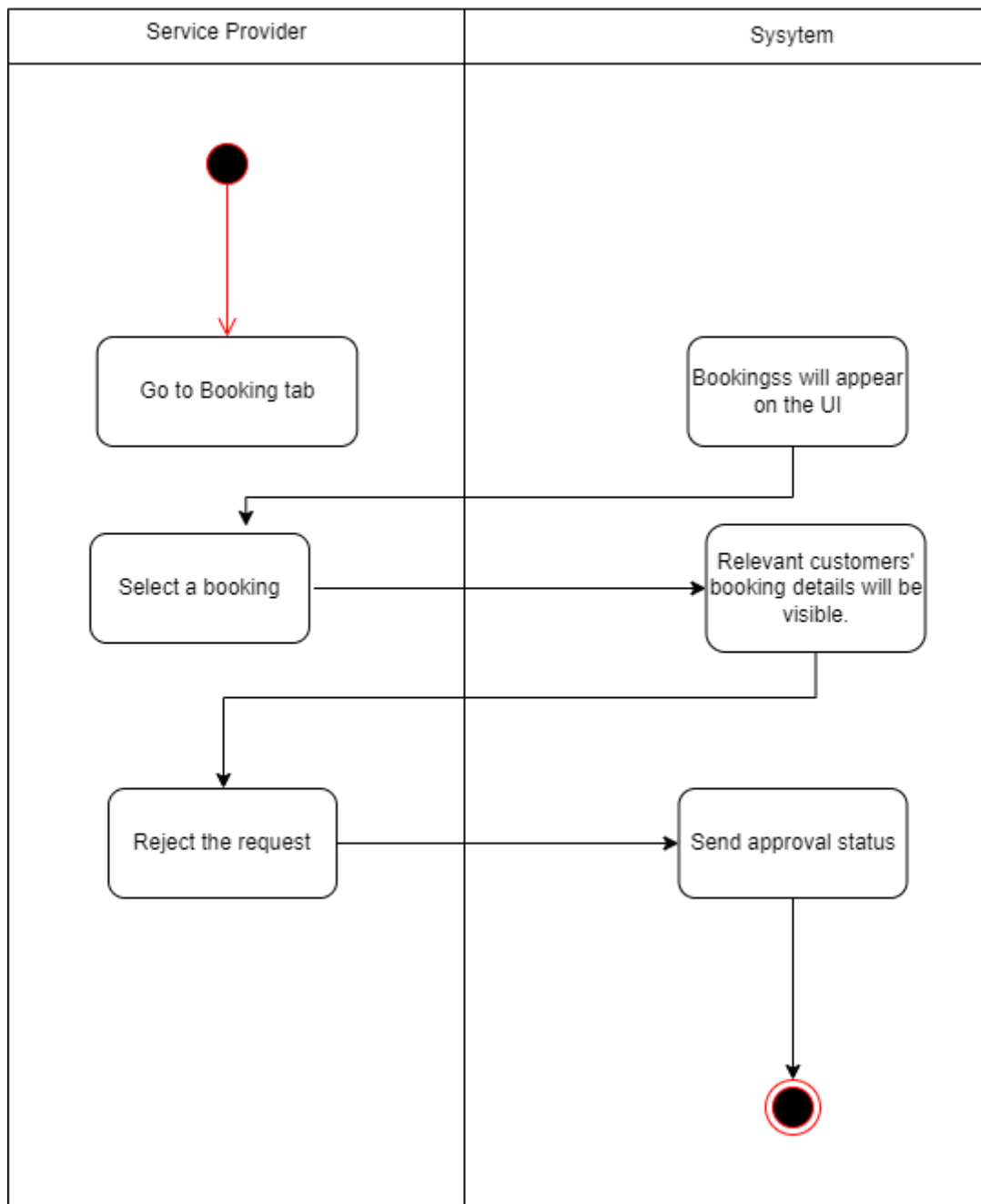
Handle bookings



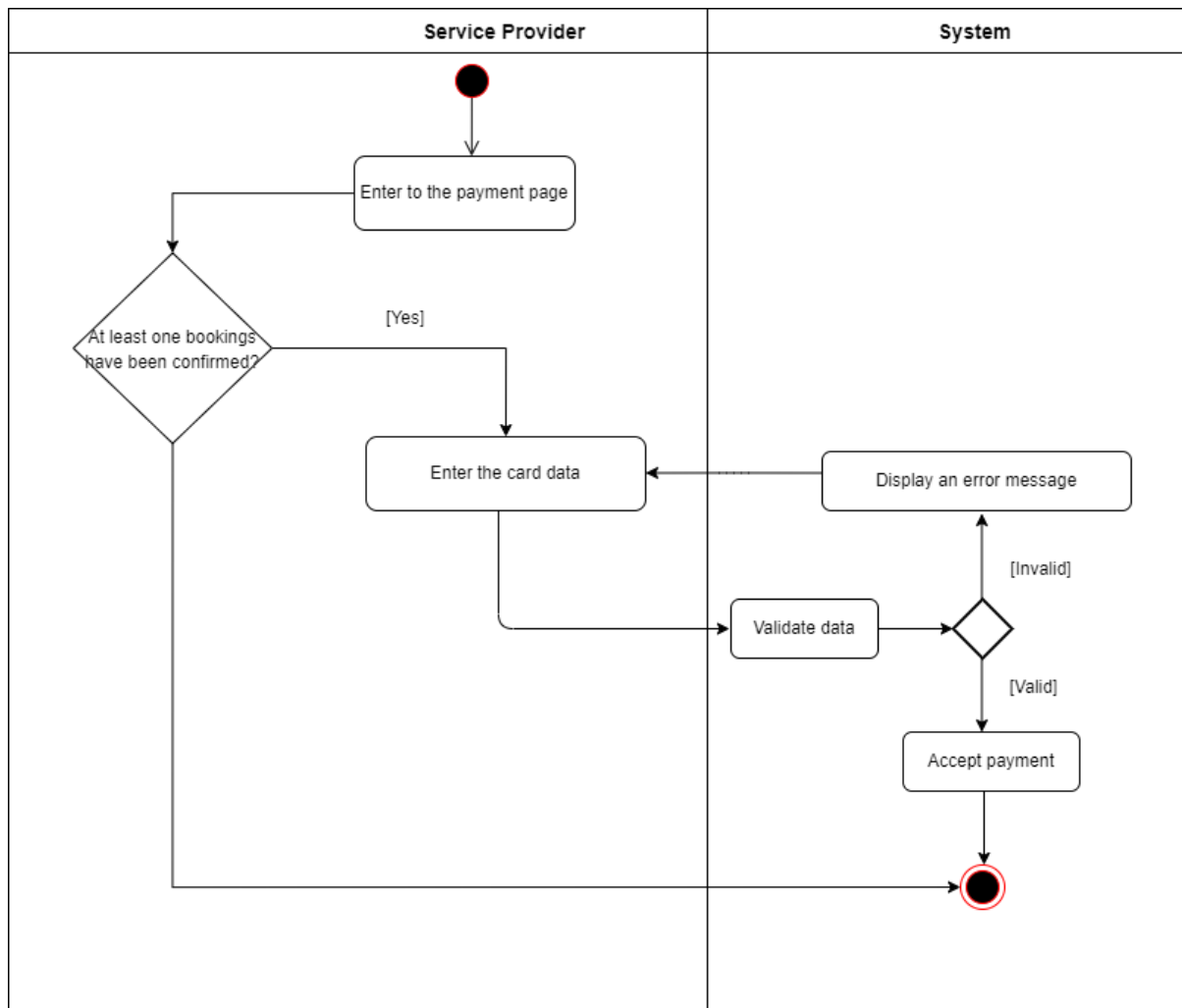
Accept bookings



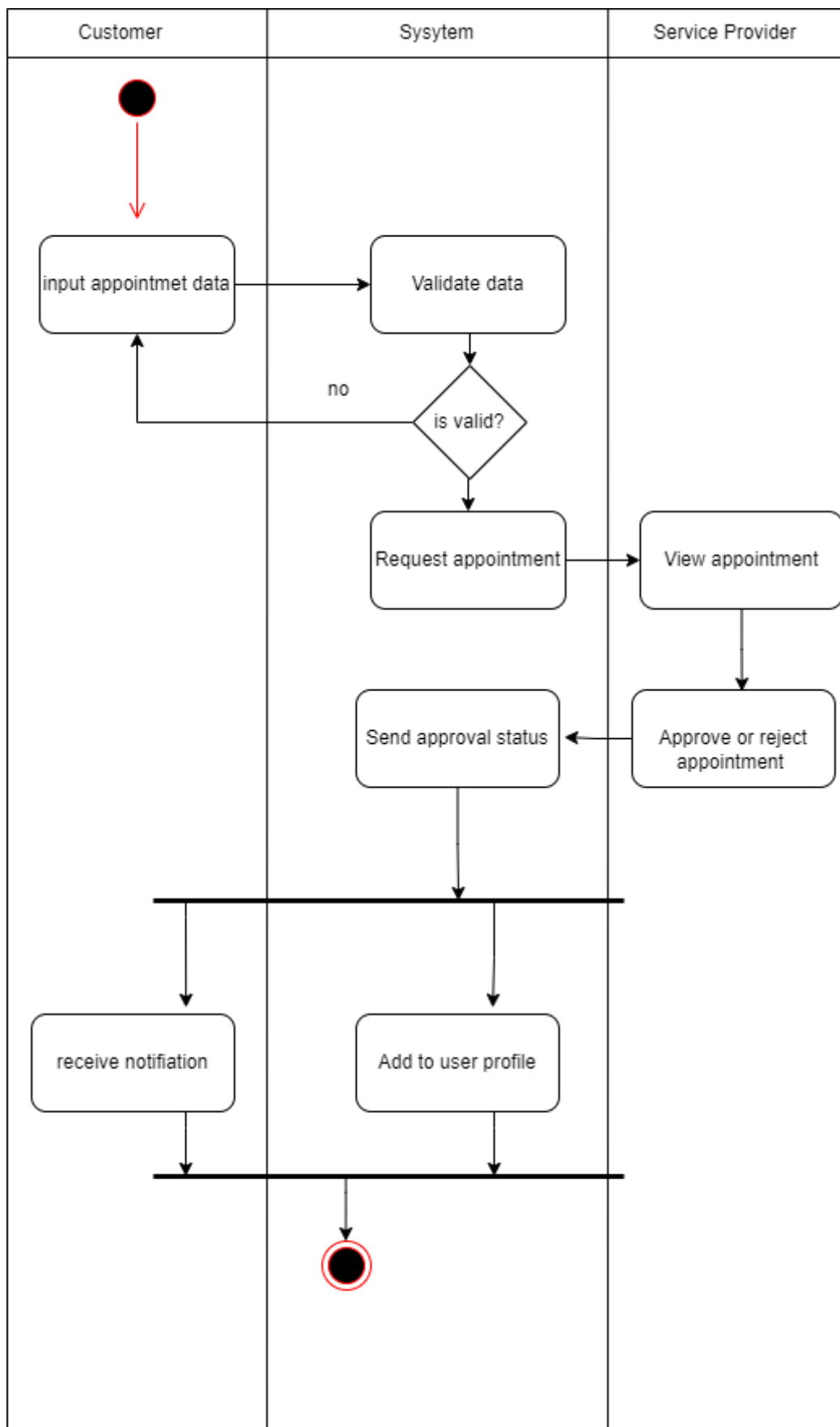
Reject bookings



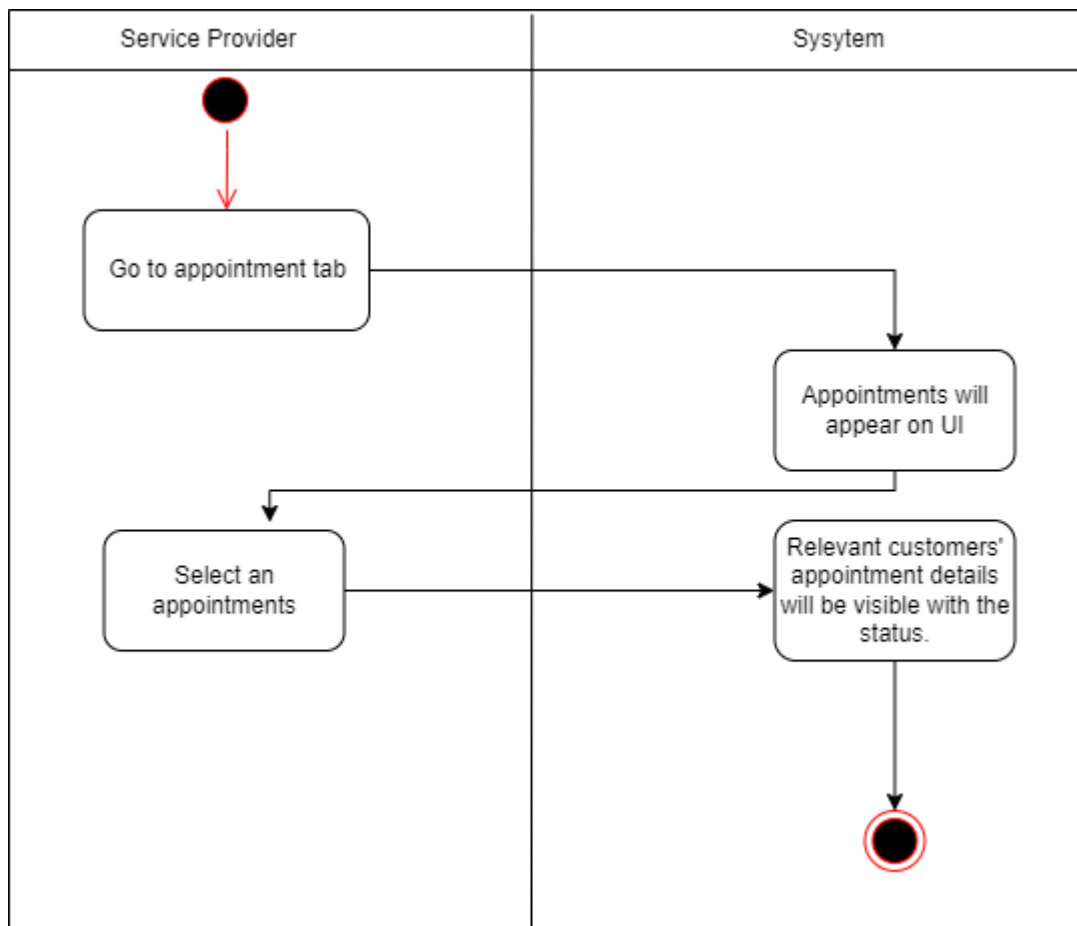
Pay service charge



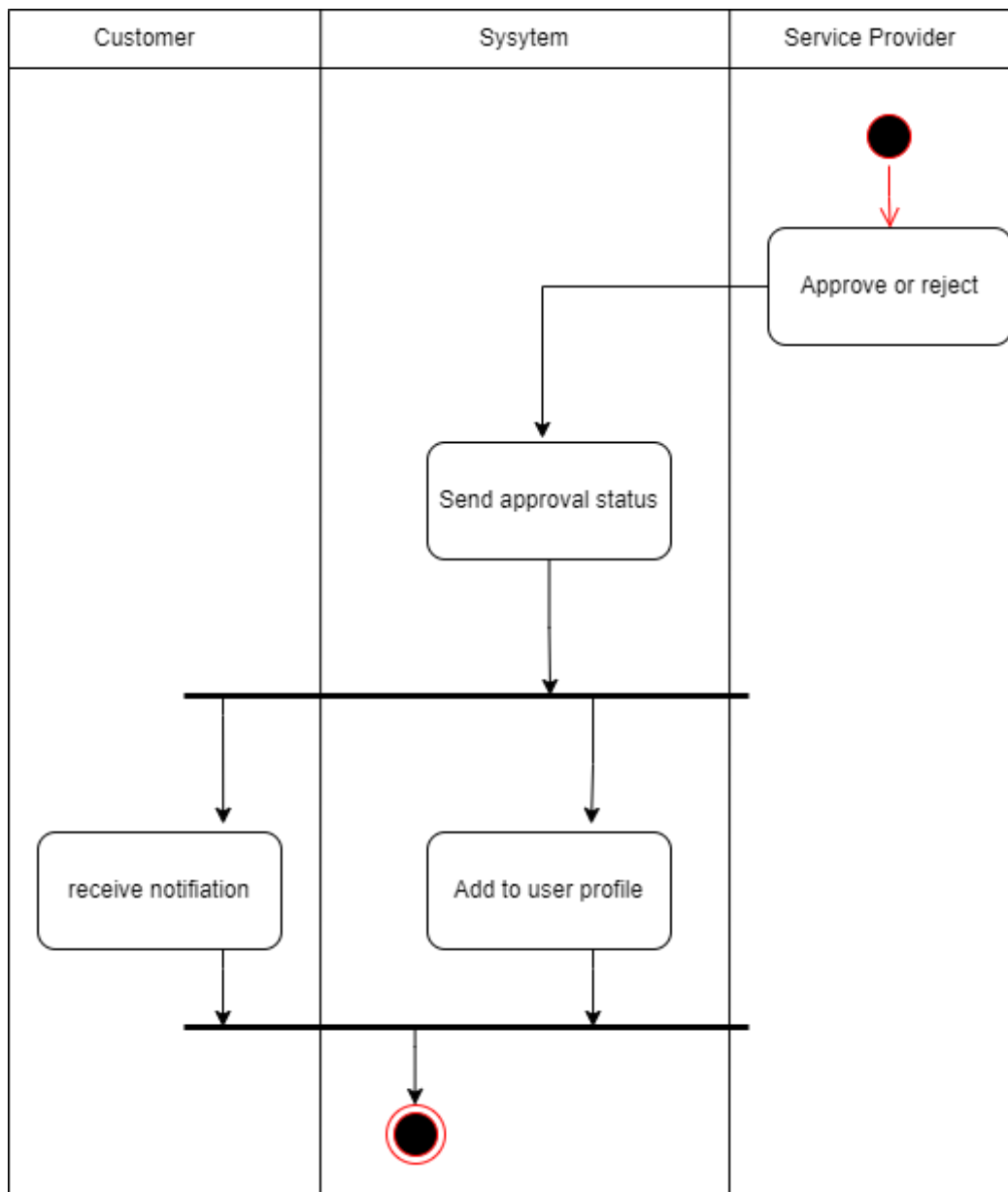
Review scheduled appointments



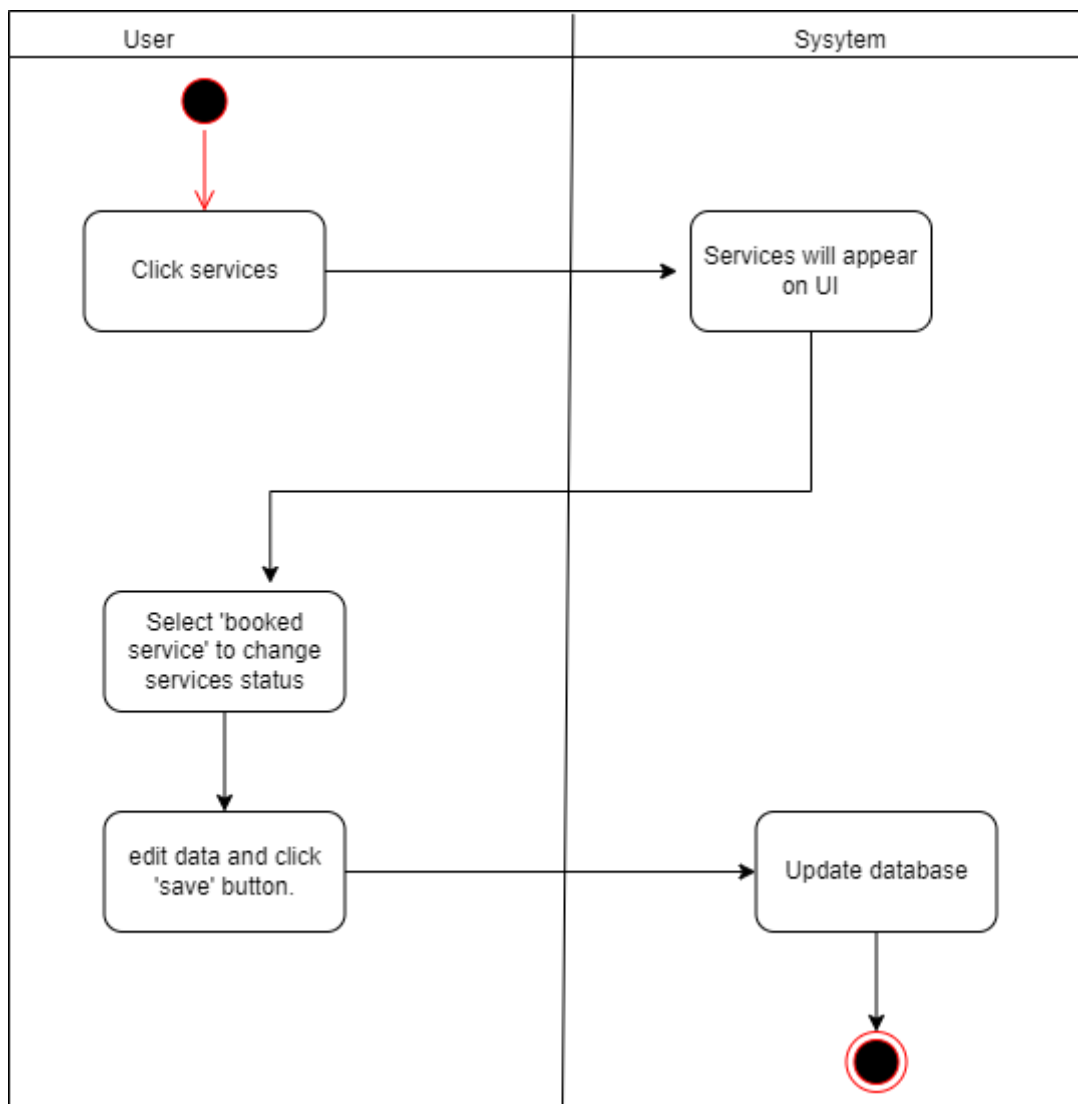
View appointment status



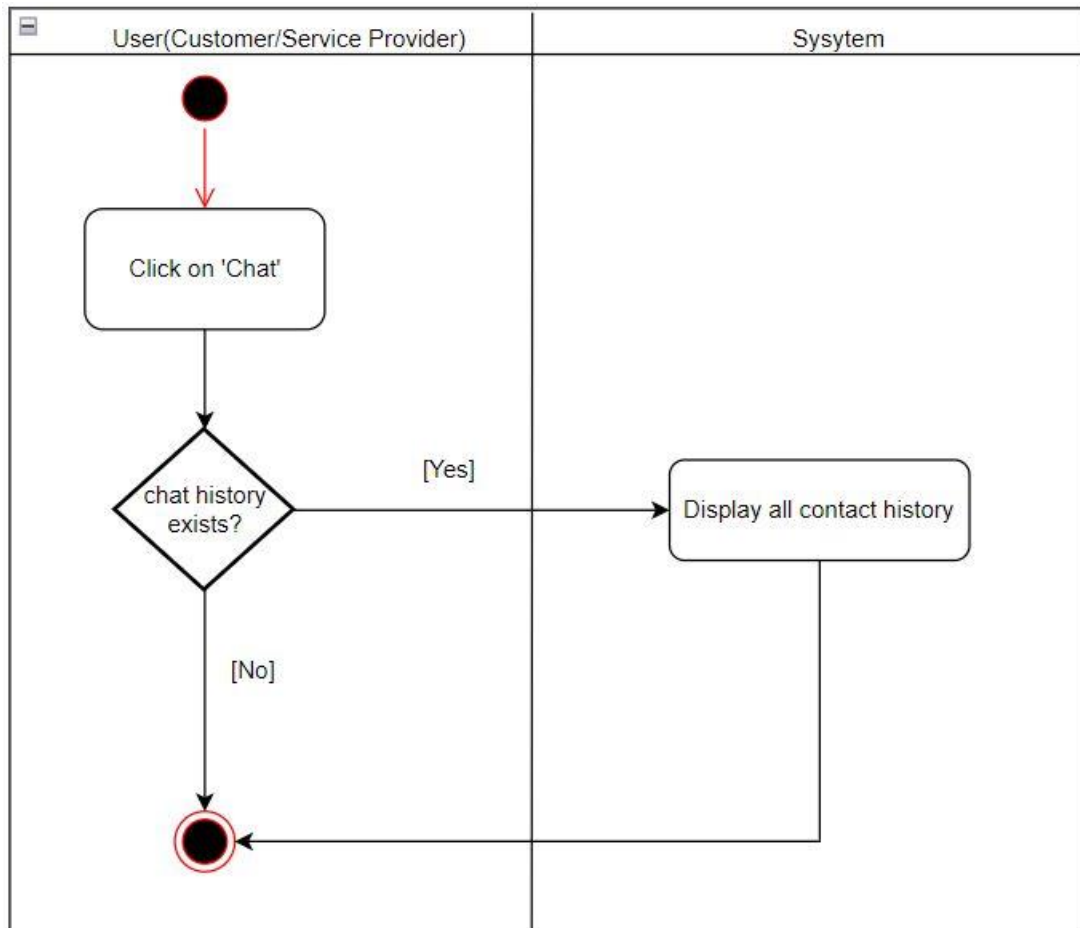
Confirm appointment



Update the service status

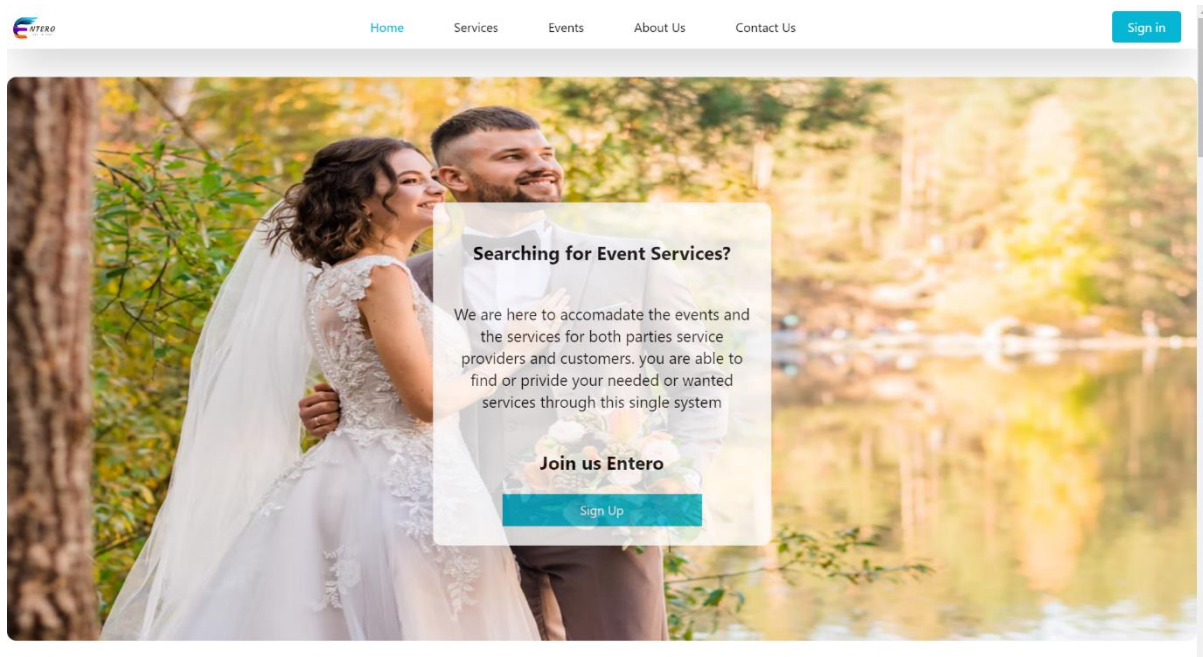


Chat

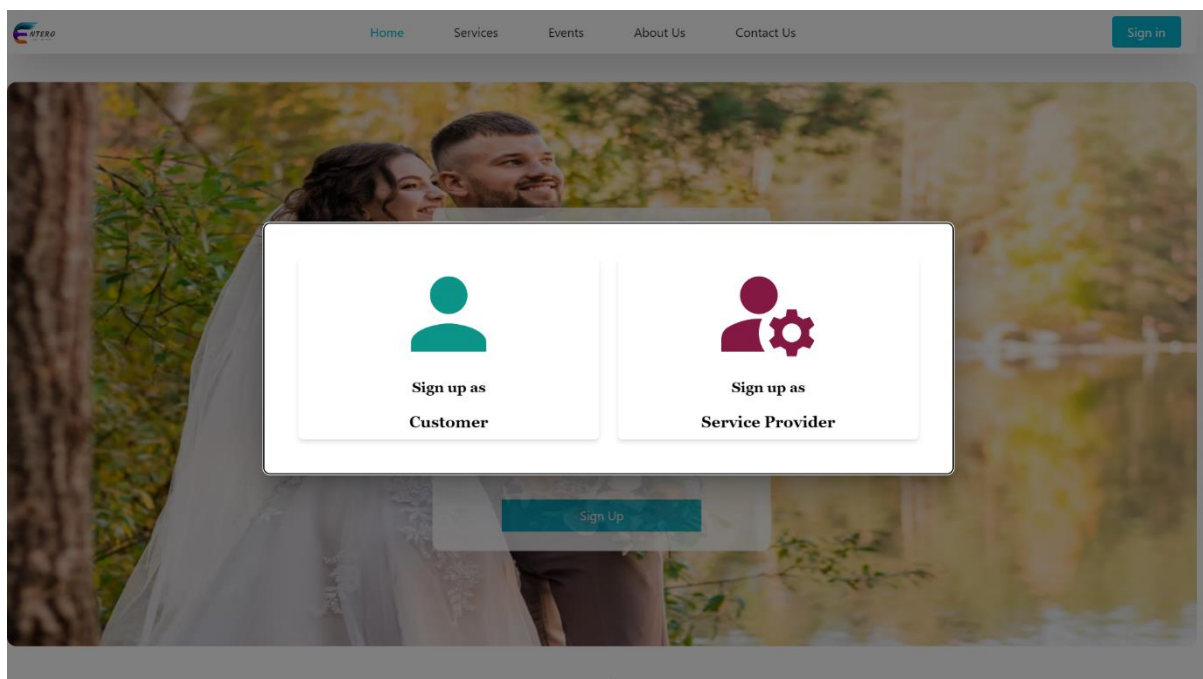


9. User Interfaces

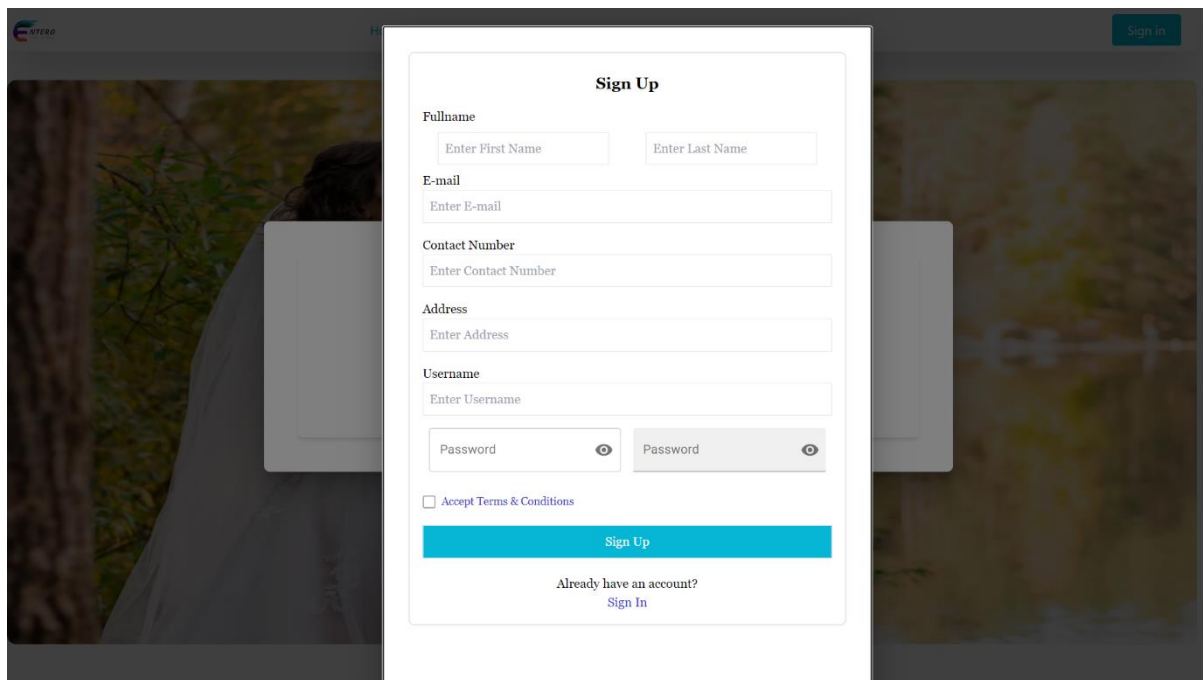
Landing page



Register (User roles)



Customer registration form



The screenshot shows a 'Sign Up' modal form for customer registration. The form is centered on a dark background that features a blurred image of a person. The form itself is white with a thin border. It contains the following fields: 'Fullname' (split into 'Enter First Name' and 'Enter Last Name'), 'E-mail' (with a placeholder 'Enter E-mail'), 'Contact Number' (with a placeholder 'Enter Contact Number'), 'Address' (with a placeholder 'Enter Address'), 'Username' (with a placeholder 'Enter Username'), and two 'Password' fields, each with a toggle icon. Below the password fields is a checkbox labeled 'Accept Terms & Conditions'. At the bottom of the form is a blue 'Sign Up' button. Below the button, there is a link that says 'Already have an account? Sign In'.

Sign Up

Fullname
Enter First Name Enter Last Name

E-mail
Enter E-mail

Contact Number
Enter Contact Number

Address
Enter Address

Username
Enter Username

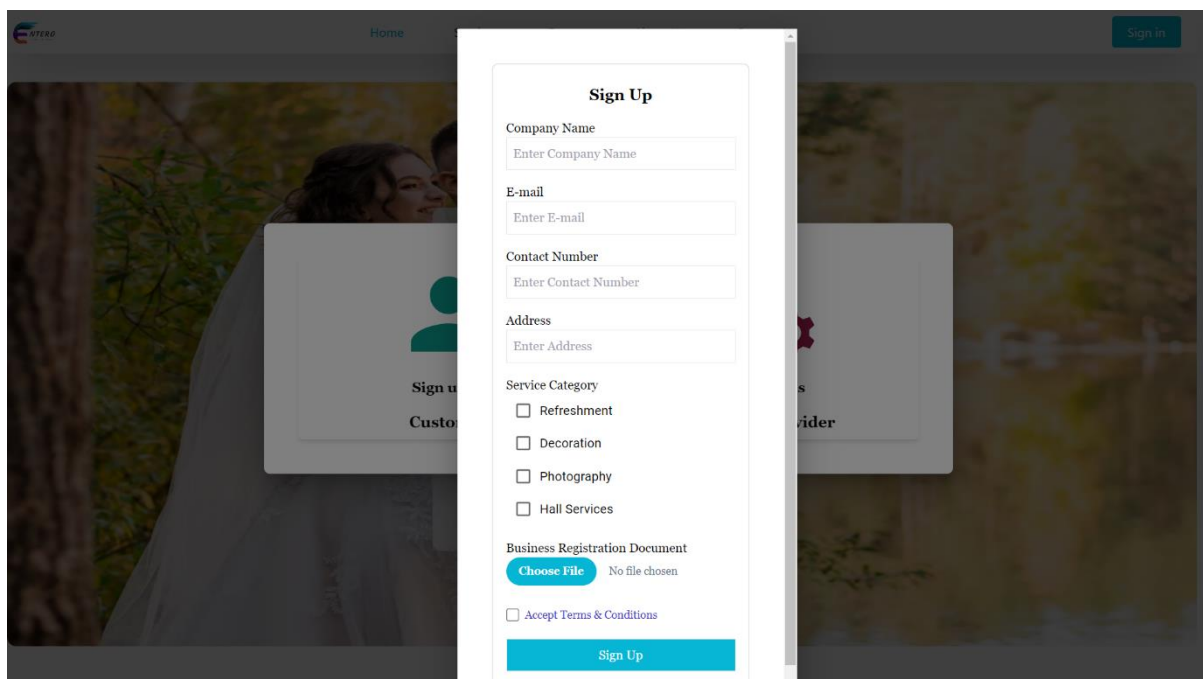
Password Password

☐ Accept Terms & Conditions

Sign Up

Already have an account?
[Sign In](#)

Service provider registration form



The screenshot shows a 'Sign Up' modal form for service provider registration. The form is centered on a dark background that features a blurred image of a person. The form itself is white with a thin border. It contains the following fields: 'Company Name' (with a placeholder 'Enter Company Name'), 'E-mail' (with a placeholder 'Enter E-mail'), 'Contact Number' (with a placeholder 'Enter Contact Number'), and 'Address' (with a placeholder 'Enter Address'). Below the address field is a 'Service Category' section with four checkboxes: 'Refreshment', 'Decoration', 'Photography', and 'Hall Services'. Below this is a 'Business Registration Document' section with a blue 'Choose File' button and the text 'No file chosen'. At the bottom of the form is a blue 'Sign Up' button. Below the button, there is a checkbox labeled 'Accept Terms & Conditions'.

Sign Up

Company Name
Enter Company Name

E-mail
Enter E-mail

Contact Number
Enter Contact Number

Address
Enter Address


Service Category
☐ Refreshment
☐ Decoration
☐ Photography
☐ Hall Services

Business Registration Document
Choose File No file chosen


☐ Accept Terms & Conditions

Sign Up

Landing page - Services


[Home](#)[Services](#)[Events](#)[About Us](#)[Contact Us](#)[Sign in](#)

Services




Catering

We provide breakfast, lunch, tea party, dinner, catering, refreshments and other services as you need




Decorations

The packages will be provided to fulfill your expected sights of view which can make your eye pleasant and pure



Hall


According to the number of guests, place, and your wish you can select the needed shelter to conduct your occasions




Photography

To feel your special day on the rest of your time mark that moment of happiness as a click by using our photography services

Landing page - Events


[Home](#)[Services](#)[Events](#)[About Us](#)[Contact Us](#)[Sign in](#)

Events




Birthday

We enlighten your birthday celebration with more joyful and elegant services




Wedding

You can choose the services as per your wish to make your day more special and surprising.




Reception

Experience your moments in every point which makes you happy



Engagement


To make your day success make a keen choice



Other Occasion


Here we are to resolve your needs to make your occasions ideal

Landing page – About us

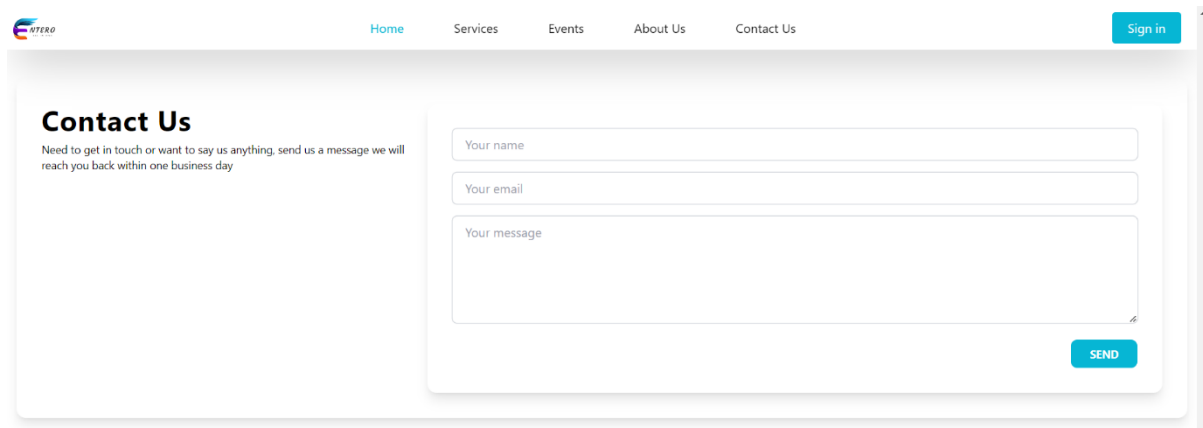
[Home](#)[Services](#)[Events](#)[About Us](#)[Contact Us](#)[Sign in](#)

Who are we?

We provide event services throughout the island. We are connected with industry professionals of service providers with more. So far we have successfully completed 450+ events locally, 80+ Destinations in catering, hall bookings, photography and decoration and also we are more strengthened with our customer base. Also we are merged with the registered service providers who are thoroughly verified and we provide the maximum freedom for the users to fulfill their requirements.



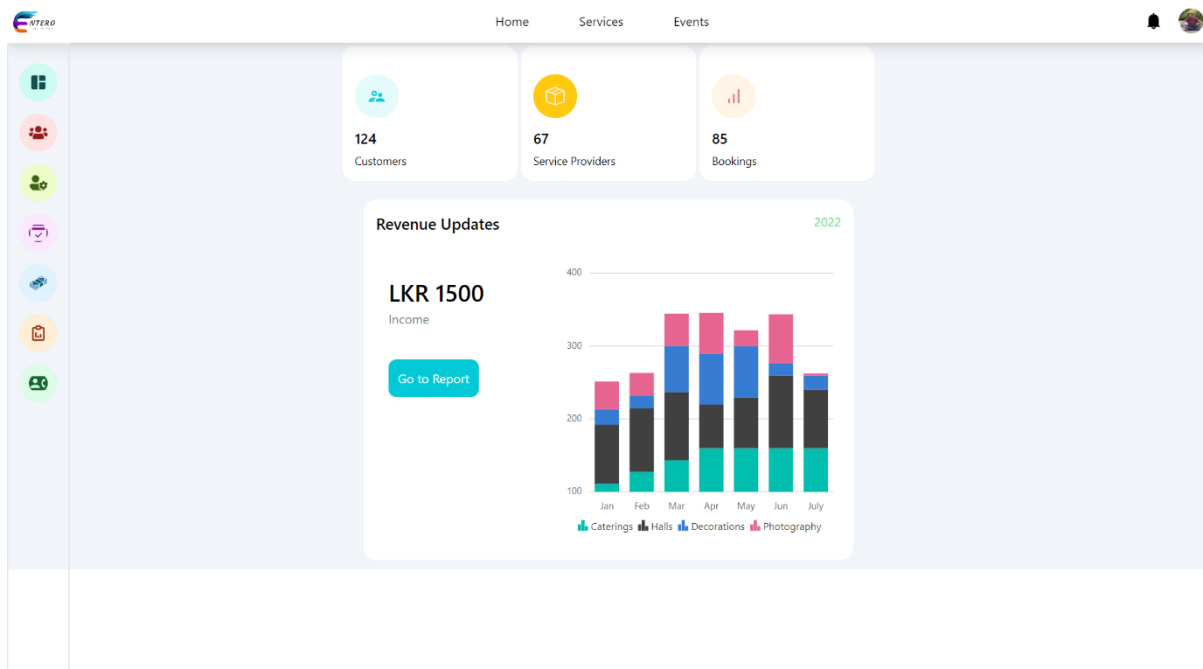
Landing page – Contact us



The contact page features a navigation bar with links to Home, Services, Events, About Us, and Contact Us, along with a Sign in button. The main content area is titled "Contact Us" and includes a sub-header: "Need to get in touch or want to say us anything, send us a message we will reach you back within one business day". To the right is a form with three input fields: "Your name", "Your email", and "Your message". A blue "SEND" button is located at the bottom right of the form.

Admin

Admin dash board



Manage customers

The screenshot shows a web application interface for managing customers. At the top, there is a navigation bar with the logo 'NTERO' on the left and links for 'Home', 'Services', and 'Events' in the center. On the right of the navigation bar are a bell icon and a user profile icon. A vertical sidebar on the left contains several circular icons representing different functions. The main content area features a search bar with the placeholder text 'Search for customers'. Below the search bar is a table with the following columns: 'Customer_ID', 'Name', 'Email', and 'Status'. There are three rows of customer data, each with 'View' and 'Remove' buttons to its right.

Customer_ID	Name	Email	Status	
C10001	Kavin Fernando	kavingghyre@gmail.com	Active	<button>View</button> <button>Remove</button>
C10002	Rajeev Fernando	rtm.silva.e@gmail.com	Active	<button>View</button> <button>Remove</button>
C10003	Sithum Pathirana	sprn55@gmail.com	Active	<button>View</button> <button>Remove</button>

Manage service providers

The screenshot shows a web application interface for managing service providers. The layout is similar to the 'Manage customers' page, with a navigation bar at the top and a sidebar on the left. The main content area has a search bar with the placeholder text 'Search for services'. Below the search bar, there is a tabbed interface with 'SERVICES' and 'SERVICE REGISTRATIONS'. The 'SERVICE REGISTRATIONS' tab is active, displaying a table with columns: 'Service Provider_ID', 'Name', 'Category', and 'Status'. There are three rows of service provider data, each with 'View' and 'Remove' buttons to its right.

Service Provider_ID	Name	Category	Status	
S100001	Kalindu Studio	Photography	Active	<button>View</button> <button>Remove</button>
S100002	Mewana Decorators	Decorations	Active	<button>View</button> <button>Remove</button>
S100003	Muthumaal Studio	Photography	Active	<button>View</button> <button>Remove</button>

View bookings

HTERO

HomeServicesEvents

Search for events

PENDINGPASTCANCELLED

Booking_ID	Customer	Type	
B003	Devin Fernando	Birthday	<button>View</button>

Manage service charges

HTERO

HomeServicesEvents

Edit Packages

PREMIUM

This premier package will give you one month free trial subscription and monthly subscription

LKR 2,000

PREMIUM

This premier package will give you one month free trial subscription and 6 months subscription

LKR 11,000

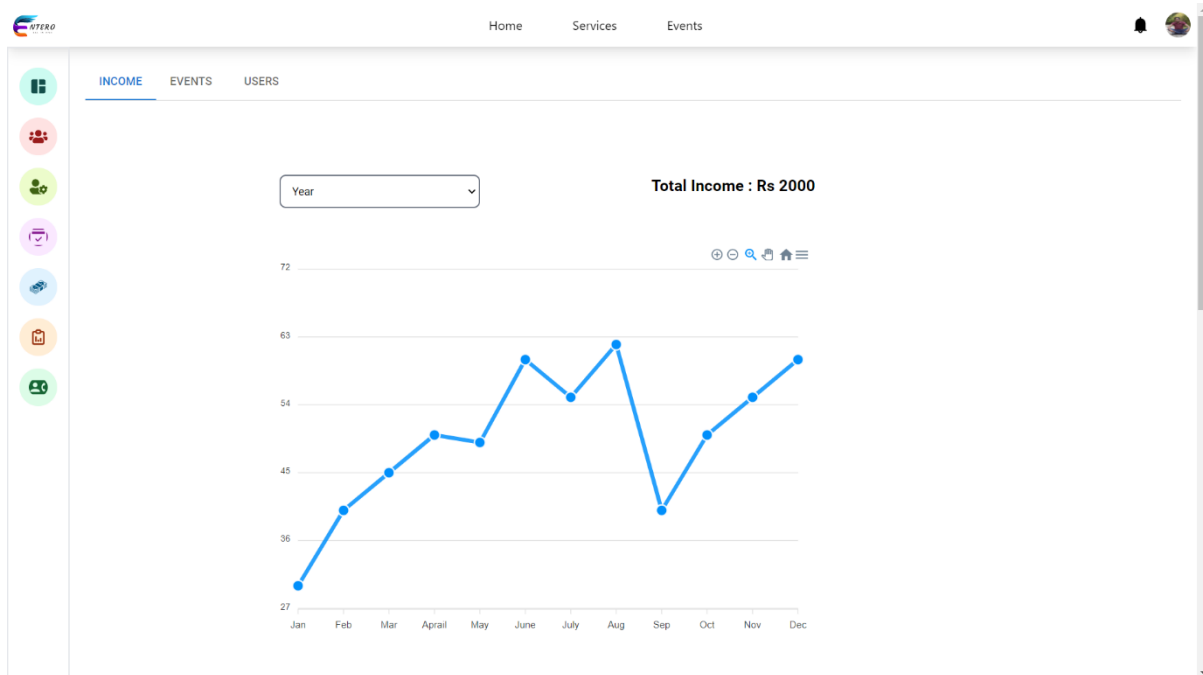
PAST SERVICE CHARGESPENDING SERVICE CHARGES

Search

Payment_ID	Time	Date	Package Name	Amount	Payment Method
P001	12:00:56	25:04:2022	Premium Monthly	LKR 2000	Visa
P002	14:00:00	23:04:2022	Premium Monthly	LKR 2000	Visa
P003	13:00:56	25:03:2022	Premium 6 Months	LKR 11000	Master Card
P004	10:00:56	05:02:2022	Premium Monthly	LKR 2000	Visa

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Generate reports



ntero Home Services Events

Month

Search

Total Income : Rs 20000.00

User ID	Service Provider	Amount(LKR)
SP002	Mathilde	5358
SP003	Leonor	2267
SP004	Melita	8031
SP005	Baillie	6255
SP006	Barnabe	3665
SP007	Cyb	5305
SP008	Orran	6371
SP009	Jillian	6323
SP010	Giacomo	3452
SP001	Leonor	2267
SP004	Melita	8031
SP005	Baillie	6255

Manage contact us

NTERO

Home

Services

Events

NEW MESSAGES

Kalana Bushan

I would like to know about the system service providers trustability.And can I make a booking without creating an account..[Read more](#)

Reply

Discard

2 hours ago

Tharindu Thaathvika

Why are the services limited to 4.I am a tailor and i want to use this system but unfortunately i have no option and..[Read more](#)

Reply

Discard

2 hours ago

Solangara Hetti

This is a timely system and appreciate how this system will help the general public to overcome a massive issue..[Read more](#)

Reply

Discard

2 hours ago

Metha Guru

This is a good system and i would like to know som of the functionalities that you will provide in the future..[Read more](#)

Reply

Discard

2 hours ago

More

REPLIED MESSAGES

Shakir

What inspired you guys to build such a system and will the trial period increase in the future so that we can..[Read more](#)

Click to see reply

2 hours ago

Service provider

Manage portfolio

NTERO

The Fab

Fab

★★★★★


About Us

Packages

Contact




Edit









Fab is renowned for signature cakes and gateaux. This trademark can be traced back to 1979 when Chandra Madanayake launched her confectionary store in her front garden beside Galle Road. The outlet remains present to this day, still teeming with ever-eager customers. In just over five years, subsequent to the demand that was generated, we were able to restructure and change our course, and specialize in the pastry business as well. We cater to our customers' desires, going above and beyond to earn their trust in bringing them the choicest products and services. With our many strategically placed outlets in and around Colombo for ease of access, we remain the pioneering pastry shop franchise in Sri Lanka.



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Manage Appoinments





Appointment




NEW APPOINTMENTS PENDING APPOINTMENTS PAST APPOINTMENTS









Time Range


Date Range


Appointment ID	Customer Name	Time	Date	Description	Action
A001	Sukumar Kavishan	11:00:23	01.02.2022	Need to get more information regarding the packages	<div>Accept</div> <div>Reject</div>

Chat







**Fabs**
Thank you shakir for connecting us

**Perera & Sons**
Thank you shakir


Fabs




We have package related to you requirements, and those are visible in the portfolio section. You can refer them to us for more details.



Thank you very much..






If you want any futher detail please contact us









Thank you shakir for connecting us..


64

View ratings and reviews








REVIEWS







**Kalana Bushan** ★★★★★


Amazing service .Really appreciate how the crew worked so hard to make the event a reality.The food was really good and i would recommend this to anyone out there to make theri events a dream come true...[Read more](#)

2 hours ago

Pay service charges






**PREMIUM**

This premier package will give you one month free trial subscription and monthly subscription

LKR 2000
Activated
[Change Package](#)

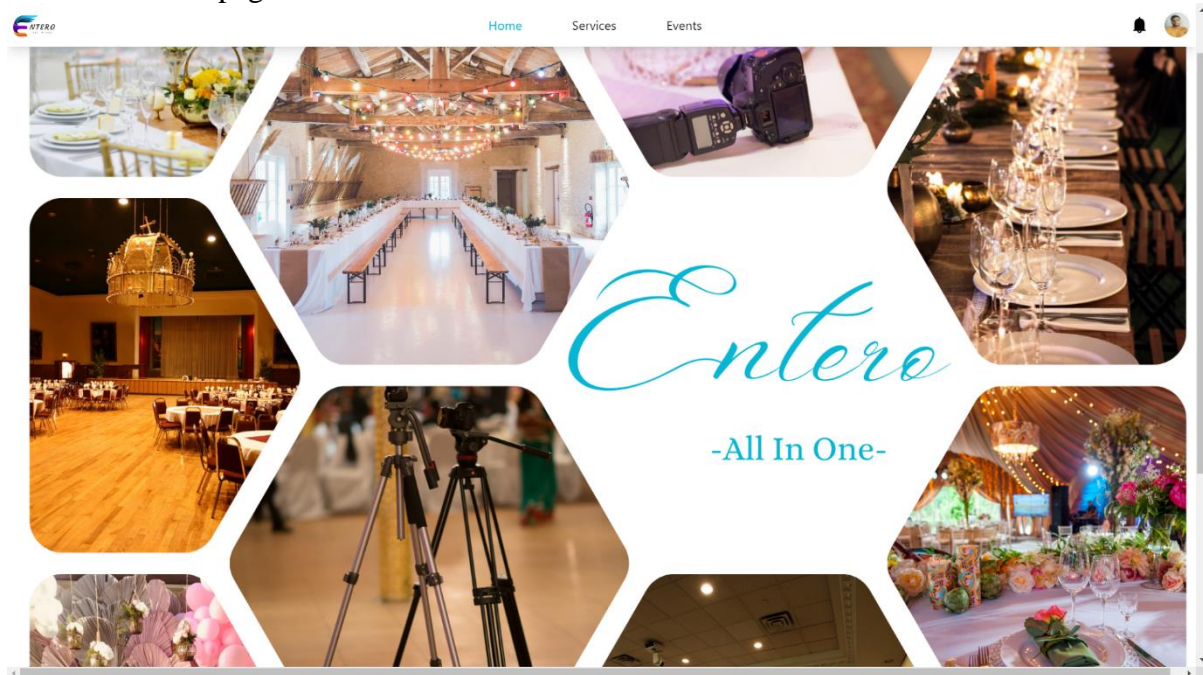
**TRIAL** trial

Started Date: 25:05:2022
Started Date: 25:06:2022
Remaining Trial Period **6** Days

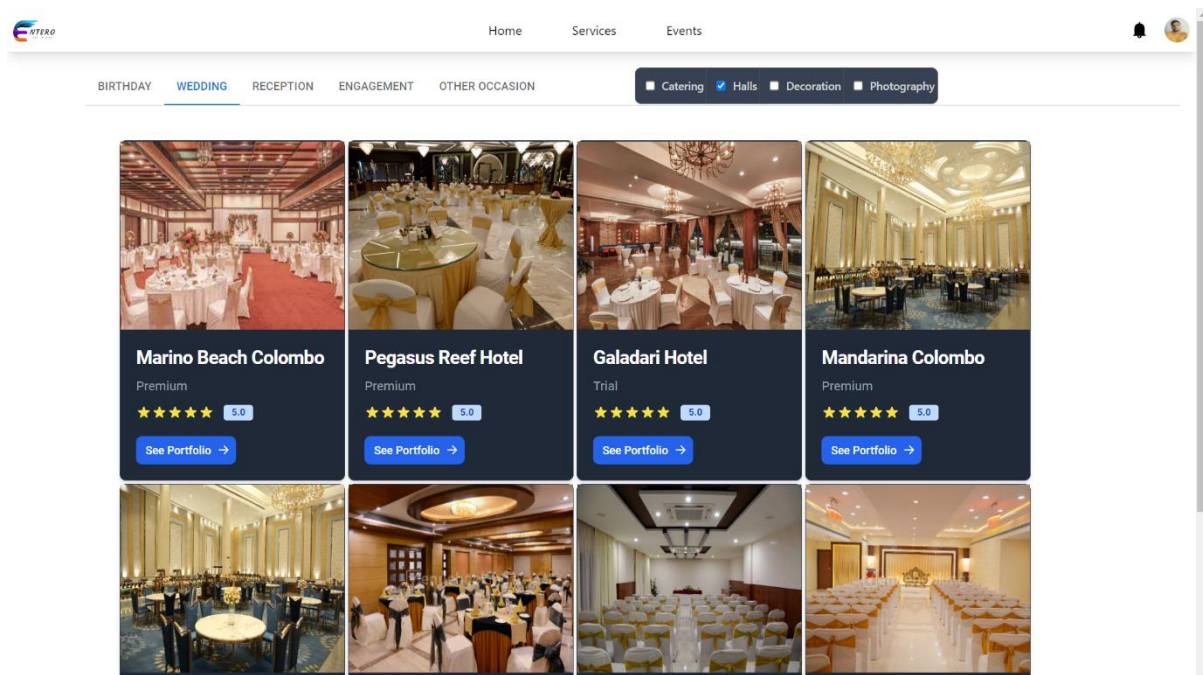
Payment ID	Time	Date	Package Name	Amount	Payment Method
P001	15:00:56	25.05.2022	Premium Montly	LKR 2000	Visa

Customer




Customer home page




Choose Events




Choose services

HomeServicesEvents


CATERINGSHALLSDECORATIONSPHOTOGRAPHY




Marino Beach Colombo
Premium
★★★★★ 5.0
[See Portfolio →](#)







Pegasus Reef Hotel
Premium
★★★★★ 5.0
[See Portfolio →](#)






Galadari Hotel
Trial
★★★★★ 5.0
[See Portfolio →](#)




Mandarina Colombo
Premium
★★★★★ 5.0
[See Portfolio →](#)



Manage profile

HomeServicesEvents



[Change](#)
[Remove](#)

Edit profile

Fullname
Kavin
Raksitha

E-mail
kavin76@gmail.com

Contact Number
0776543762

Address
Kolonnawa Road, Kurunegala

[Update](#)

Update password

Current Password
Enter current password

New Password
New password

Confirm new password

Make bookings

The screenshot shows the NTERO application interface for making bookings. The top navigation bar includes 'Home', 'Services', and 'Events'. The left sidebar contains icons for user profile, calendar, and messages. The main content area has tabs for 'PRESENT', 'PAST', and 'CANCELLED'. The 'PRESENT' tab is active, displaying a table with columns: Booking_ID, Category, Date, Service provider, and Status. A single booking is listed with Booking_ID 'B002', Category 'Hall Services', Date '13.06.2022', and Service provider 'SK Hall Service'. The Status column contains 'Confirm' and 'Cancel' buttons.

Booking_ID	Category	Date	Service provider	Status
B002	Hall Services	13.06.2022	SK Hall Service	<button>Confirm</button> <button>Cancel</button>

Make appointments

The screenshot shows the NTERO application interface for managing appointments. The top navigation bar includes 'Home', 'Services', and 'Events'. The left sidebar contains icons for user profile, calendar, and messages. The main content area has a title 'Appointment' and tabs for 'PENDING APPOINTMENTS', 'PAST APPOINTMENTS', and 'CANCEL APPOINTMENTS'. The 'PENDING APPOINTMENTS' tab is active. Below the tabs is a search bar with the placeholder text 'Search by name...'. Below the search bar is a table with columns: Appointment id, Customer Name, Time, Date, and Description. A single appointment is listed with Appointment id 'A001', Customer Name 'Sukumar Kavishan', Time '15:00:56', Date '25.05.2022', and Description 'Discuss about catering service'.

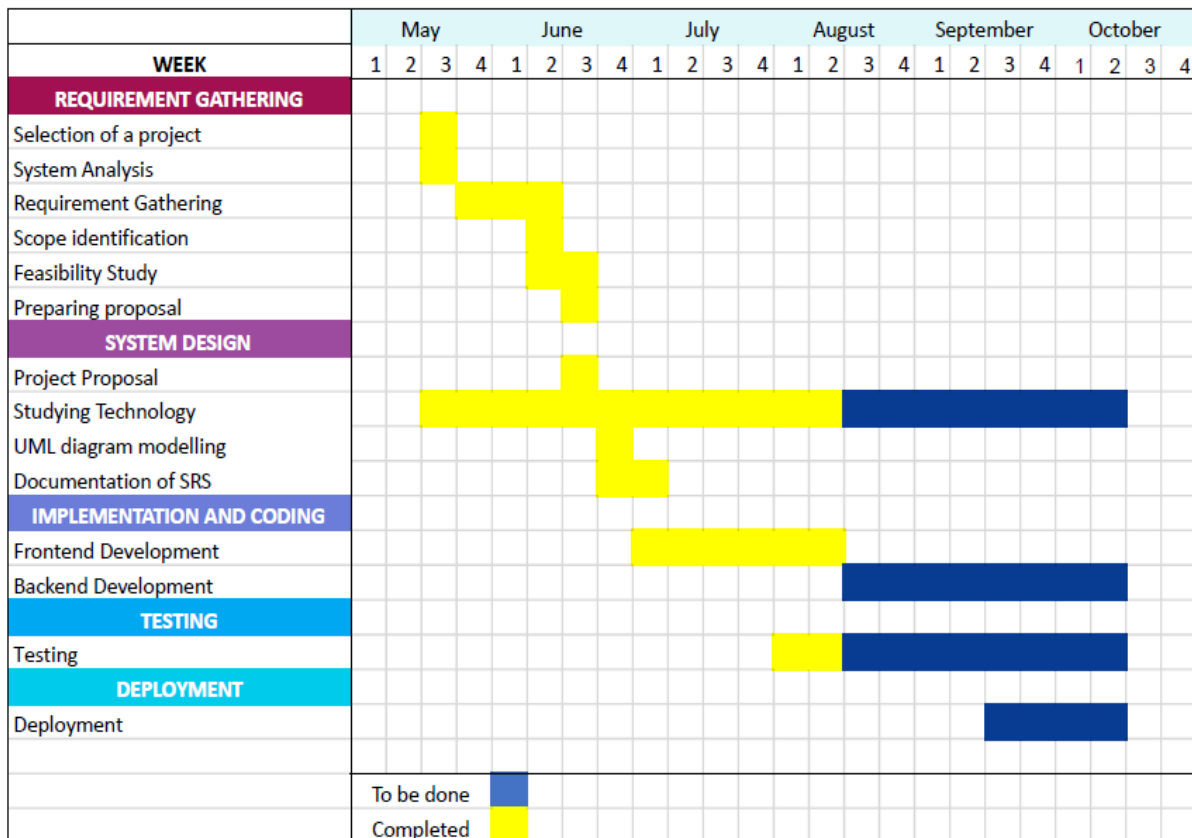
Appointment id	Customer Name	Time	Date	Description
A001	Sukumar Kavishan	15:00:56	25.05.2022	Discuss about catering service

10.Main deliverables of the system

- Complete working software and source code of the web-based application.
- Complete Software Requirement Specification
- User manual
- Administrators manual together with deployment instructions
- Software License: Proprietary software

11.The Project Plan

We plan to start the project implementation on the first week of July and also, we are testing developed modules partially to modules developing. We plan to finish the complete system in September 2022. The development methodology used will be the iterative waterfall methodology. Requirements might be changed later. Moreover, you can see our Gantt chart below and get an idea of how we plan to finish it.



12. References

- [1]"Getting Started – React", [Reactjs.org](https://reactjs.org), 2022. [Online]. Available: <https://reactjs.org/docs/getting-started.html> [Accessed: 18- Jun- 2022]
- [2]"Install Tailwind CSS with Create React App - Tailwind CSS", [Tailwindcss.com](https://tailwindcss.com), 2022. [Online]. Available: <https://tailwindcss.com/docs/guides/create-react-app> [Accessed: 18- Jun- 2022]
- [3]"Installing Express", [Expressjs.com](https://expressjs.com), 2022. [Online]. Available: <https://expressjs.com/en/starter/installing.html> [Accessed: 18- Jun- 2022]
- [4]"PostgreSQL: Documentation", [Postgresql.org](https://www.postgresql.org), 2022. [Online]. Available: <https://www.postgresql.org/docs/> [Accessed: 18- Jun- 2022]
- [5]"Wedding Planning Software - Online Wedding Planner for Professionals", [Planningpod.com](https://www.planningpod.com), 2022. [Online]. Available: <https://www.planningpod.com/wedding-event-planning-software.cfm> [Accessed: 18- Jun- 2022]
- [6]"Top 100 Birthday Party Planners, Best Event Organisers | Sulekha", [Sulekha.com](https://www.sulekha.com), 2022. [Online]. Available: <https://www.sulekha.com/birthday-party-organisers/> [Accessed: 18- Jun- 2022]
- [7]"What is the MIT License? Top 10 questions answered | Snyk." <https://snyk.io/learn/what-is-mit-license/> (accessed Aug. 11, 2022).
- [8]"The MIT License | Open Source Initiative." <https://opensource.org/licenses/MIT> (accessed Aug. 11, 2022).
- [9]"PostgreSQL: License." <https://www.postgresql.org/about/licence/> (accessed Aug. 11, 2022).

13.Declaration

We as members of the project titled ‘Entero – Event Management System’, certify that we will carry out this project according to guidelines provided by the coordinators and supervisors of the course as well as we will not incorporate, without acknowledgement, any material previously submitted for a degree or diploma in any university. To the best of our knowledge and belief, the project work will not contain any material previously published or written by another person or ourselves except where due reference is made in the text of appropriate places.

<i>Name</i>	<i>Signature</i>
S. Kavishan	
S. A. R. P Athauda	
B.Y. M. Fernando	
K.K. S. Punsara	
M.S.M. Shakir	