

Vanier College
Faculty of Science and Technology
System Development
420-436-VA (Sect. 00001)

Deliverable 04

Orange Team

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Maxime Mir-Orefice

Signatures

I, Maxime Mir-Orefice (2319522), certify that I contributed to this deliverable. M.M-O

I, Janna Lomibao(2322746), certify that I contributed to this deliverable. J.A.L

I, Sen bellotiny Donissaint (2255525), certify that I contributed to this deliverable. S.B.D

I, Trevor Obodoechina (2149315), certify that I contributed to this deliverable. T.O

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Executive Overview

In Delivery 4, we made UML diagrams that would be used to represent the actors and actions that they could take. The UML diagrams also show 3rd parties involved in certain processes that happen in the back-end. Many classes had to be made as the project or website will incorporate many things. The actions revolving around those classes also made use of APIs to help with actions such as payment, photos, location, etc. While making those diagrams we became aware of certain problems or questions we might encounter later on. Some of the solutions to those problems were simple while others remain to be discussed with the client.

Summary Description of the Client

Madeleine is proficient in computer software for organizing like excel. She is quick to understand technology and has a very positive attitude towards it.

Business Problem

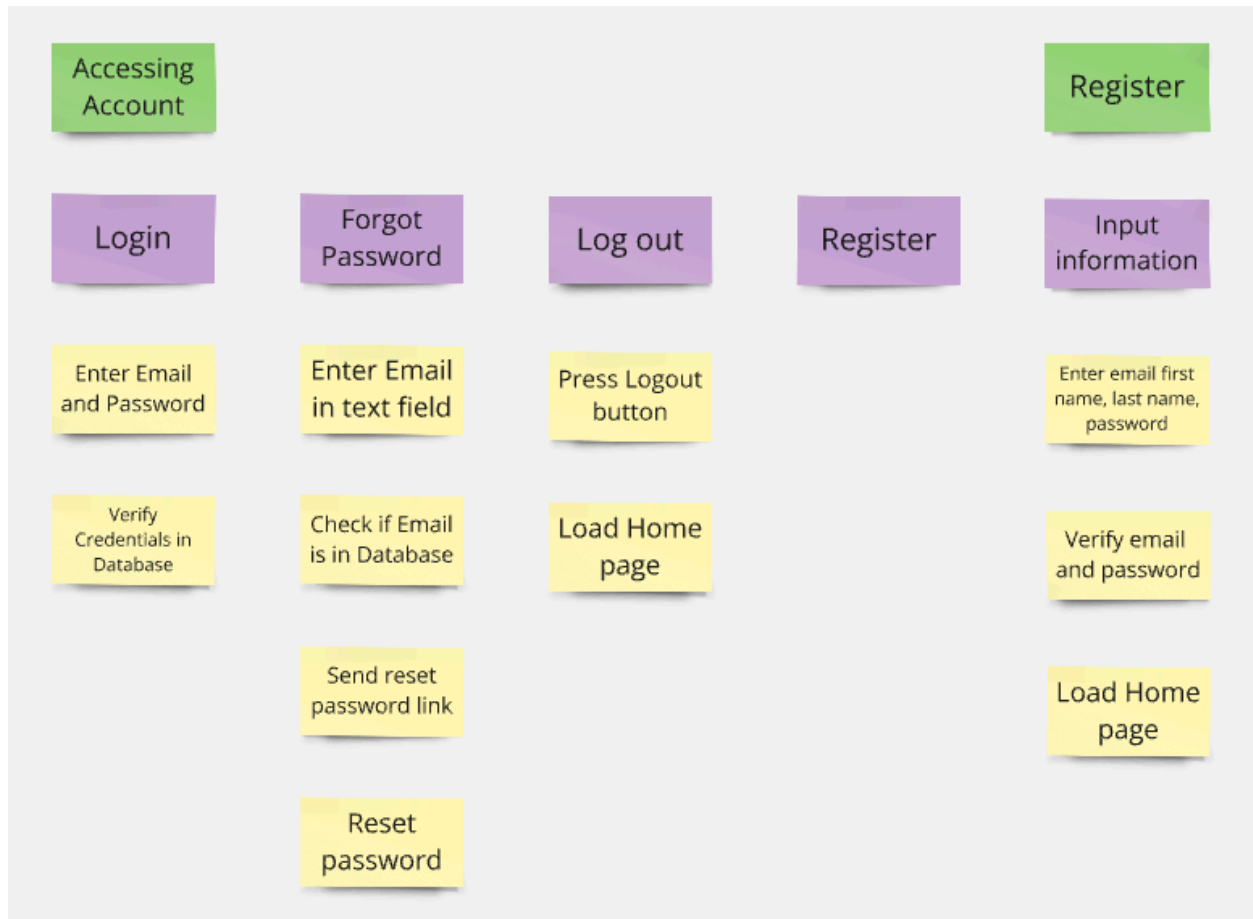
A nail salon can face several challenges such as appointment scheduling issues, lack of reviews, and more. These problems can be resolved by creating a website that is well-defined. This will improve the connection to clients and provide a chance for business growth. One of the most common problems that a nail salon business encounters is lack of exposure. A website could open a wider area to reach new clients. This will not only increase profit but also can bring stability to the business. Another challenge is appointment scheduling issues. Relying on manual booking , such as phone and direct messages, this can cause overbooking or missed appointments that can cause trouble not only for the owner but also the clients. A website can also allow clients to change or cancel appointments without taking any time from the client.

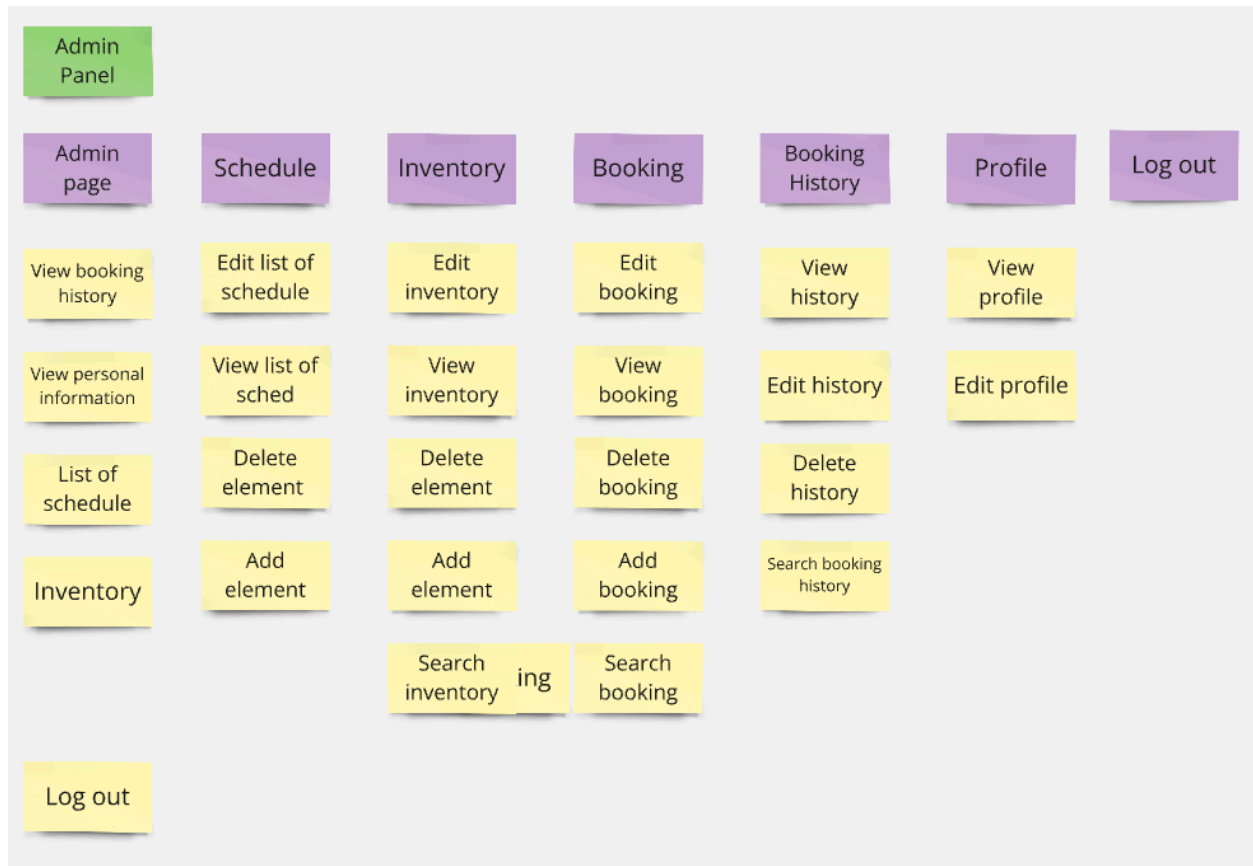
Narrative Description

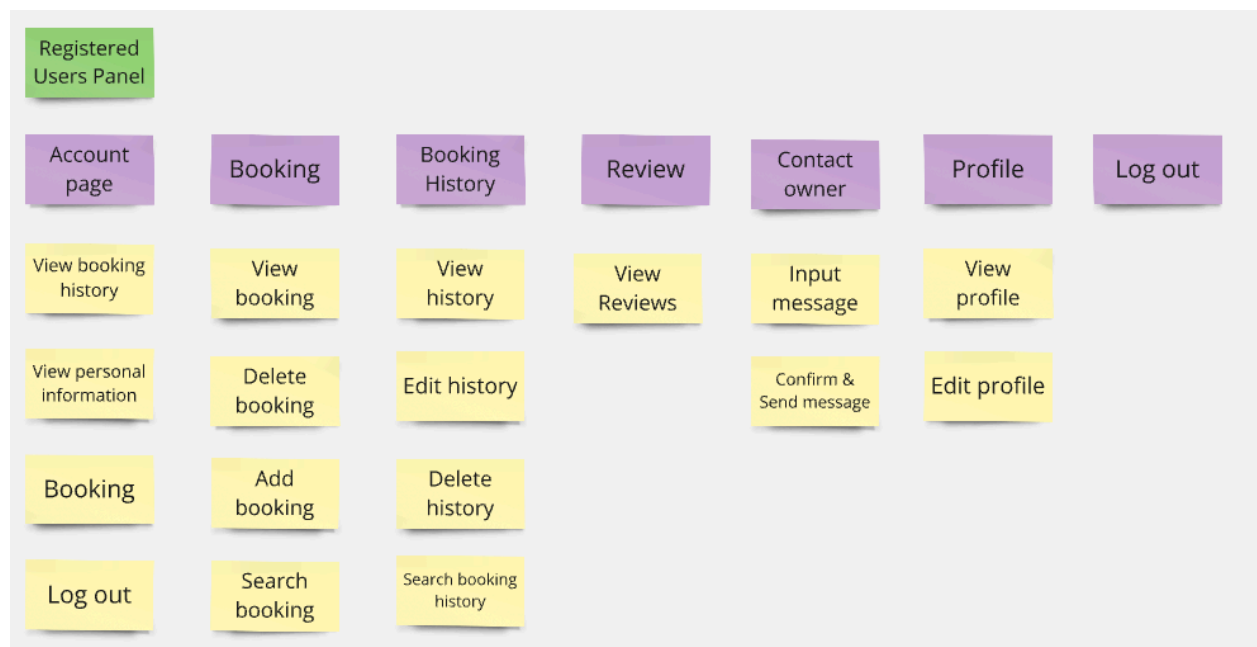
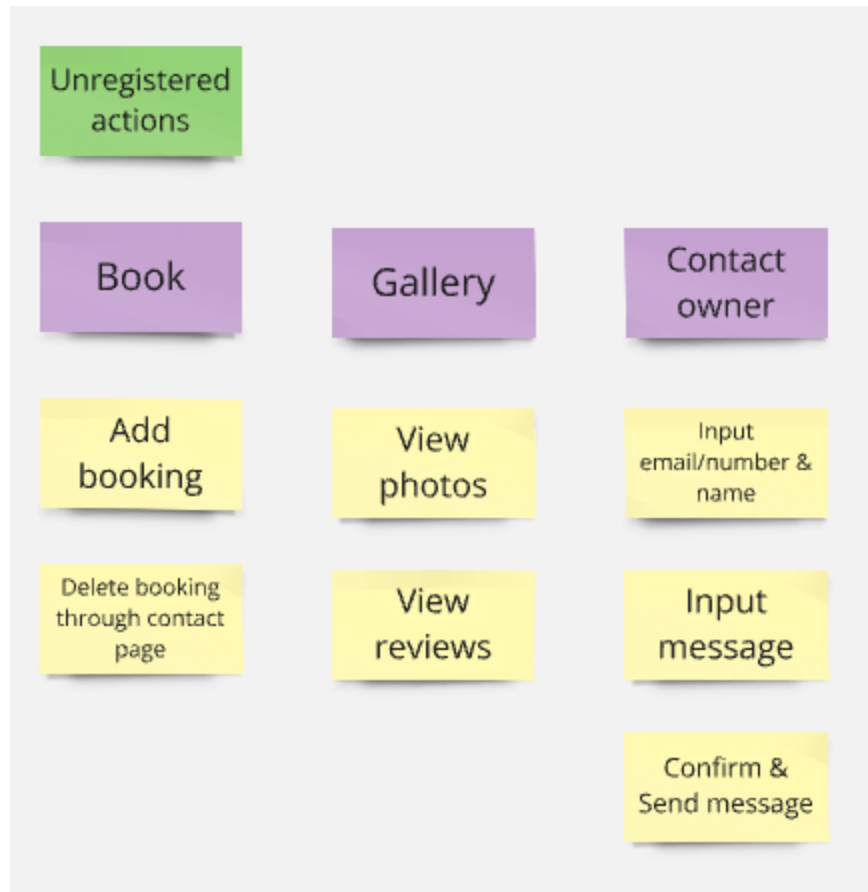
The future prototype will have 3 primary roles, being **owner/admin**, **registered client** and **unregistered client**. **Unregistered clients** will be able to view the gallery, see information on the owner and her information, book appointments on the website and contact the owner through the **Contact Us** page. The main difference between a registered client and someone who hasn't yet is that a registered client can view and access their history of booking to facilitate booking again. An unregistered client is also given the option of booking an appointment at their home, **if** it is in the 20km radius of the owner's home. Next is the role of the **registered client** who has the ability to do everything an unregistered client can do. They can also write reviews and view their booking history. The client will be able to get a discount if it's their birthday as a benefit of registering. The client is able to bring their own nail polish if they would like, but as there is a limit of three different colored nail polish, their home brought nail polish would count as one of three. The last main role is the **owner/admin**, which in this case would be our current chosen client (Madeleine Snook). Other than all the freedom a registered user has, an owner is able to manipulate the whole website's system, including being able to manipulate reference photos, edit reviews and upload new swatches to the website. The owner can also add, edit or remove prices of the services. To help with encouraging registering, the owner will upload discounts depending on a client's birthday. Other types of discounts are also possible; E.g. holidays and special events. The owner/admin and registered client must login successfully to access or interact with the system. To successfully login a user must enter an email and password matching the one found in the database. In the case that the user wants to change their password at a later time, they will have to use their current credentials (email). In the separate case of the user having forgotten their password, they will go through almost the same process. Processes such as logging in, registering and password configuration will require 2FA after successfully entering credentials.

User Stories Map



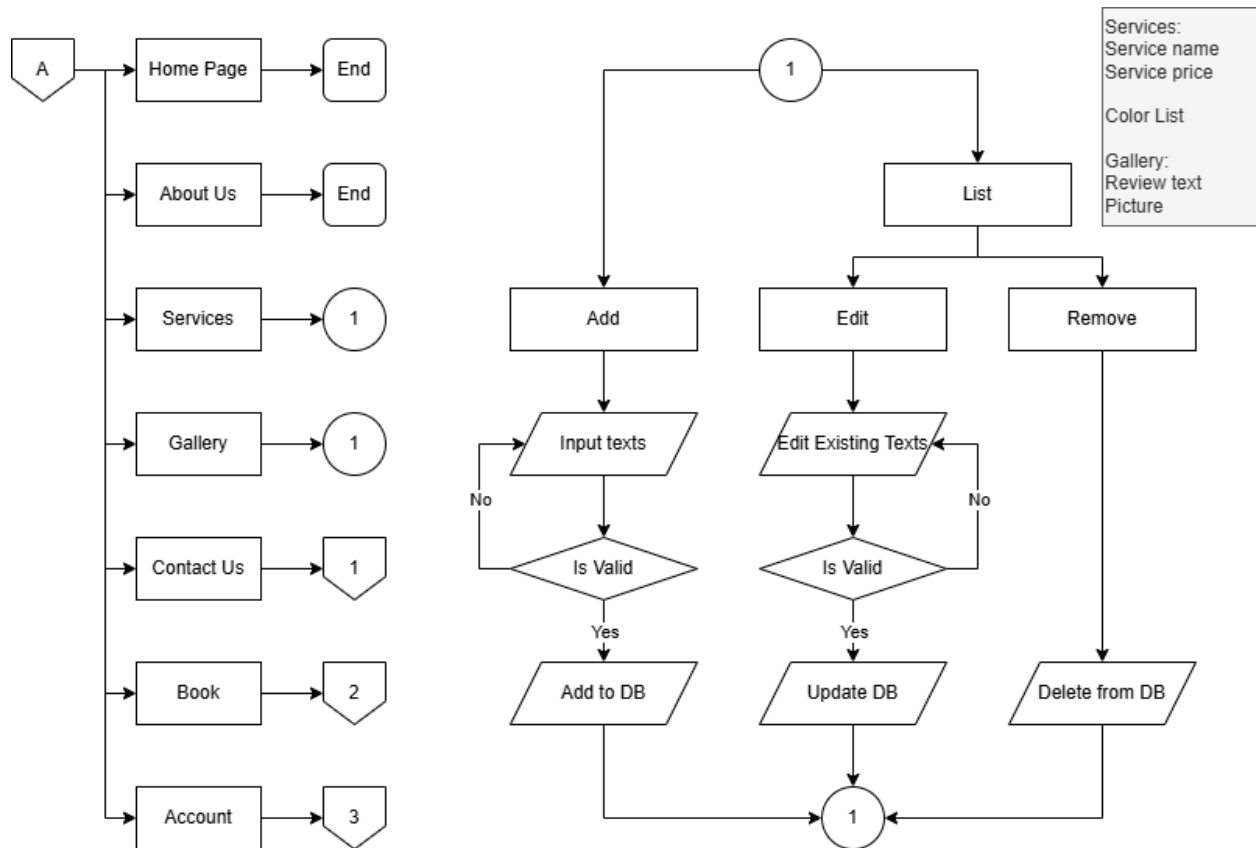


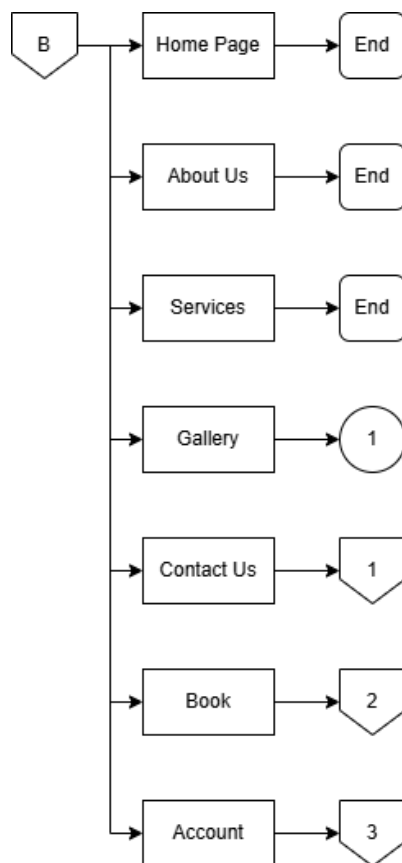




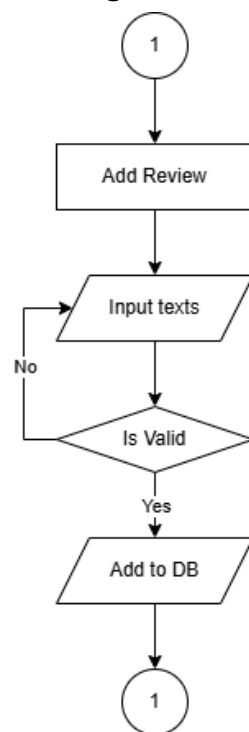
Appendix 1 - Flowcharts

Admin





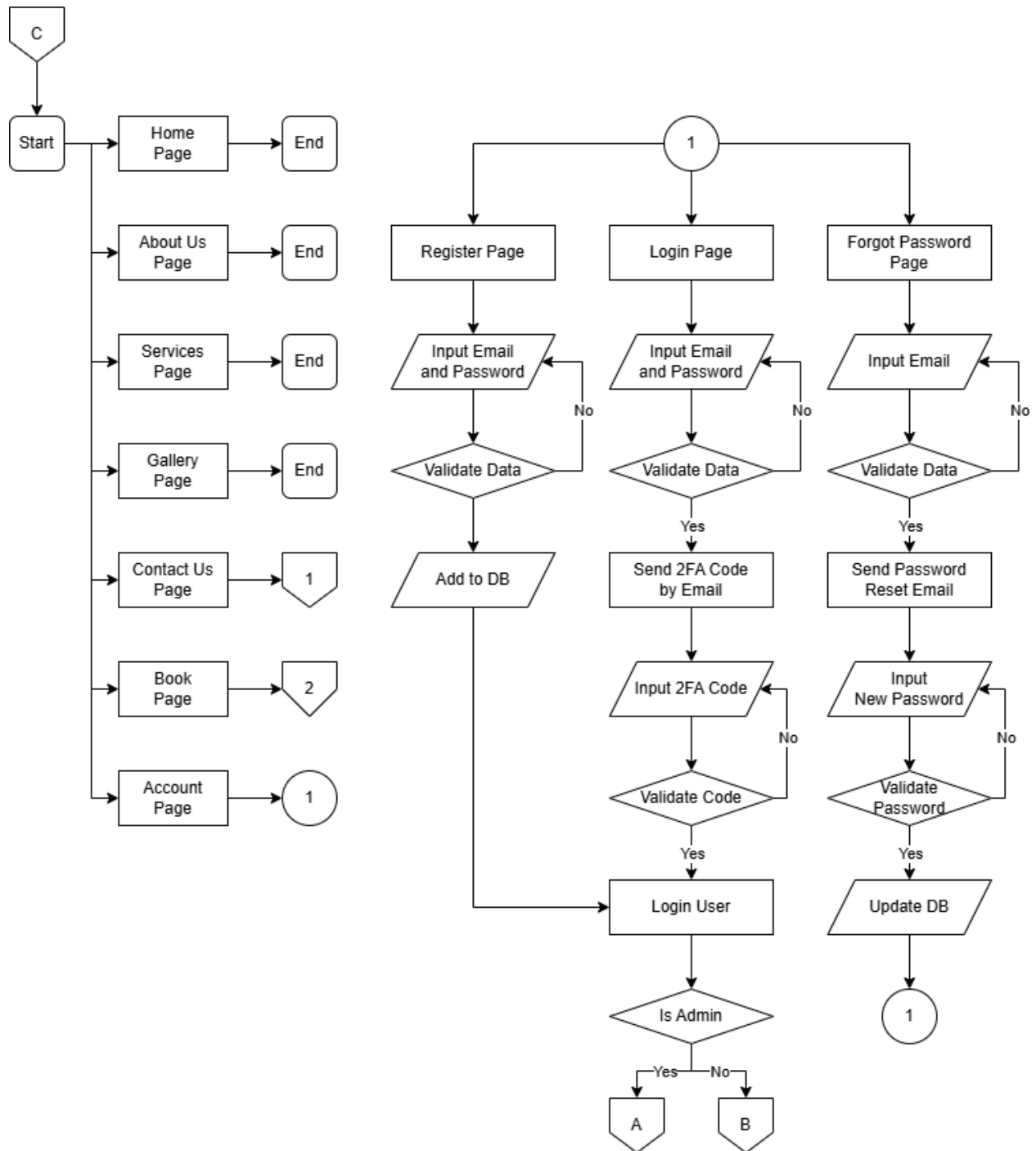
Registered



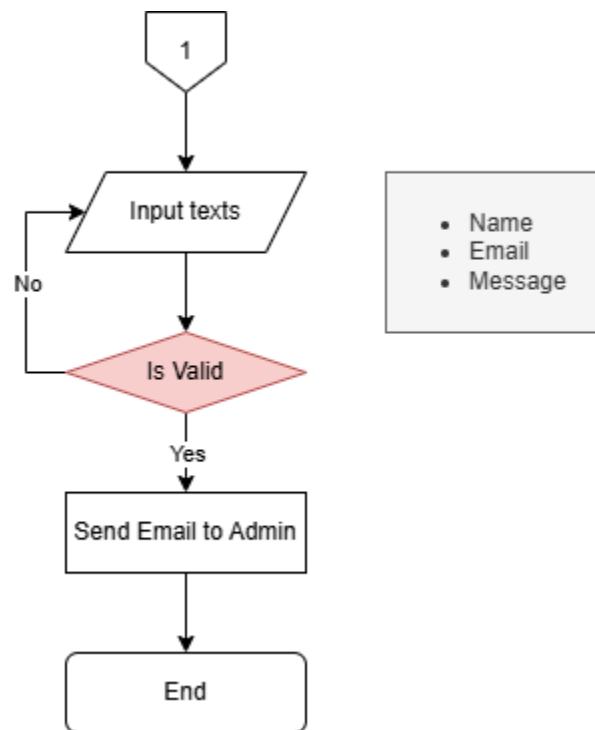
Star Rating (5/5)
Review Message
Picture

What is considered valid?
https://apilayer.com/marketplace/bad_words-api

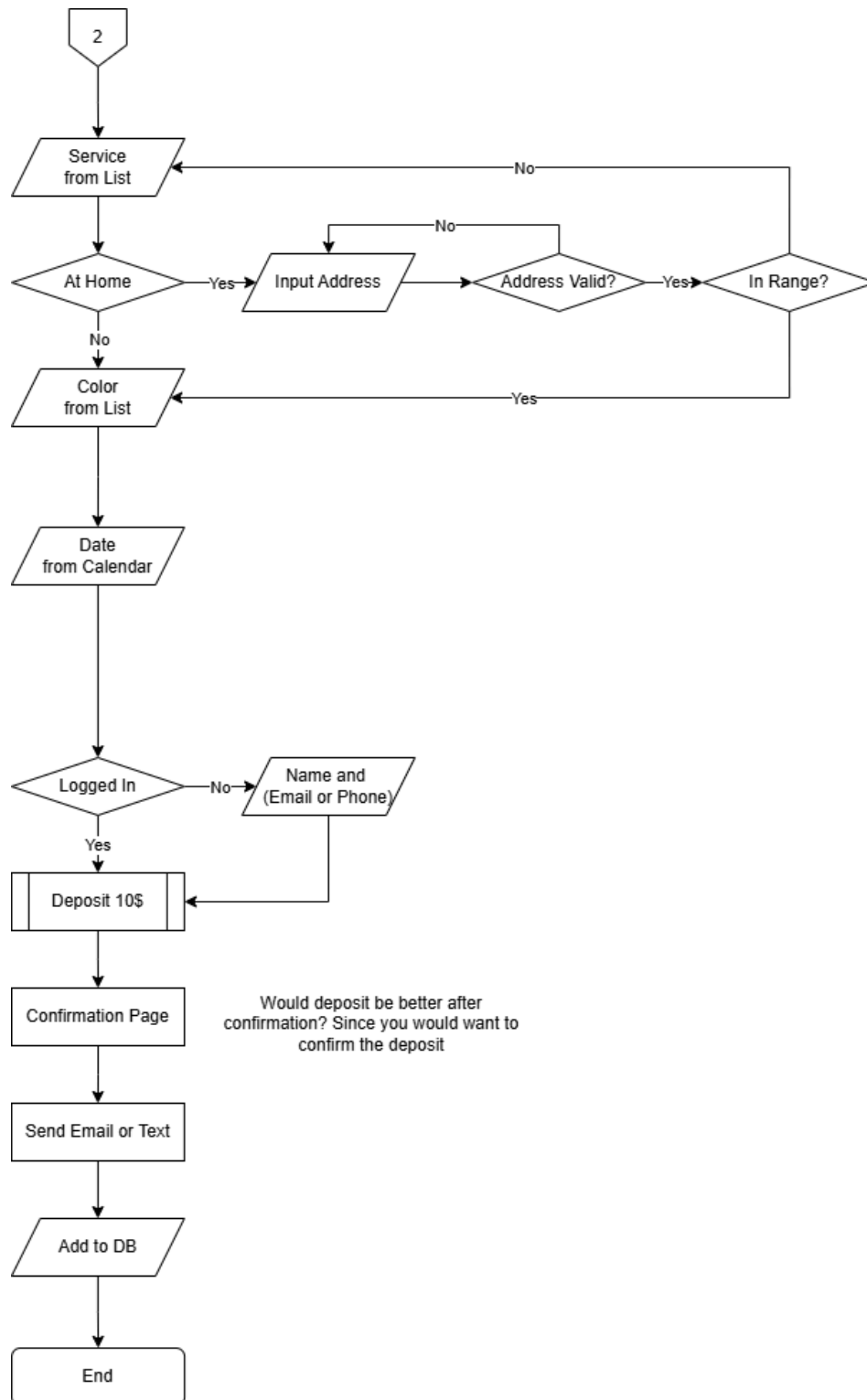
Unregistered



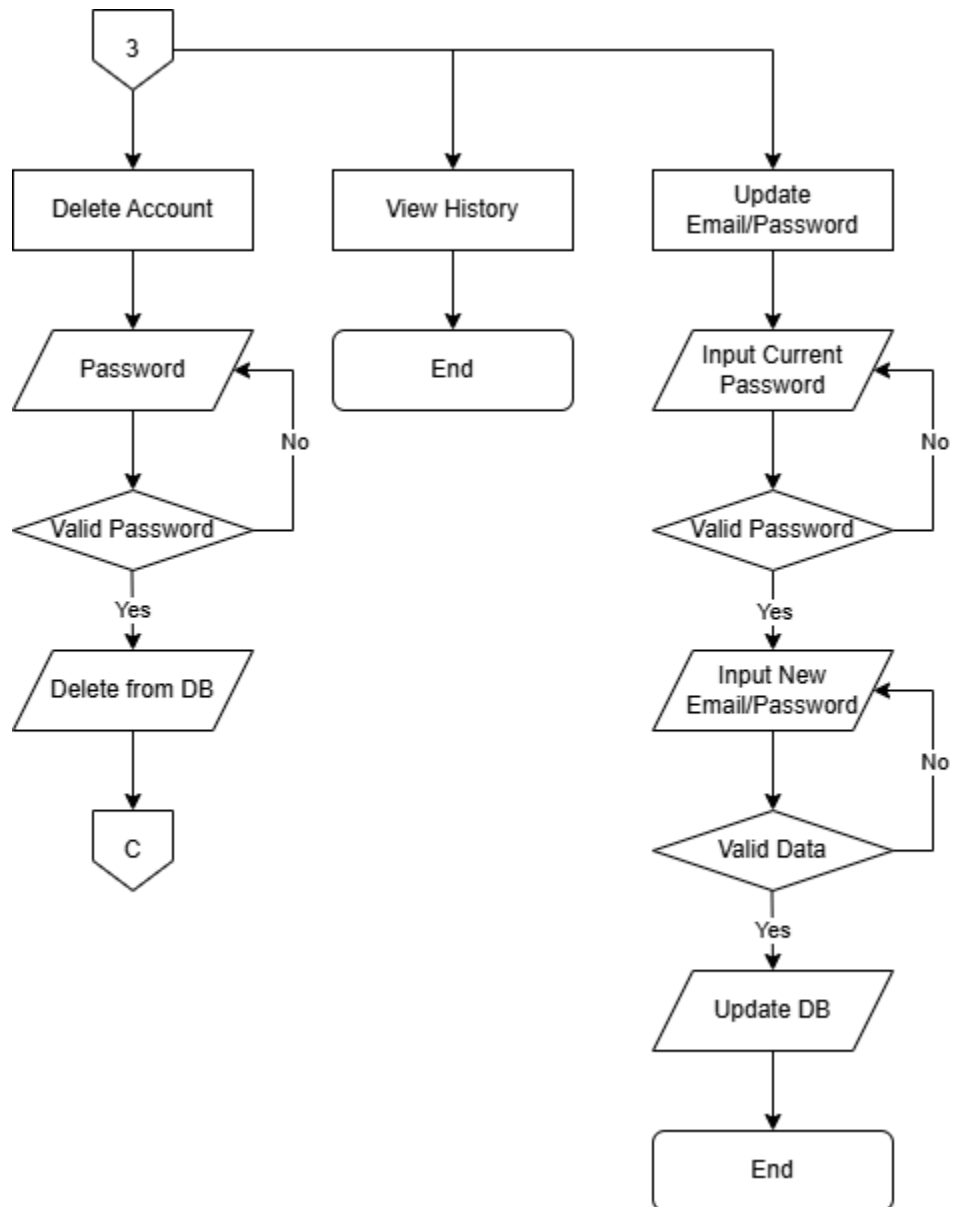
Contact Us



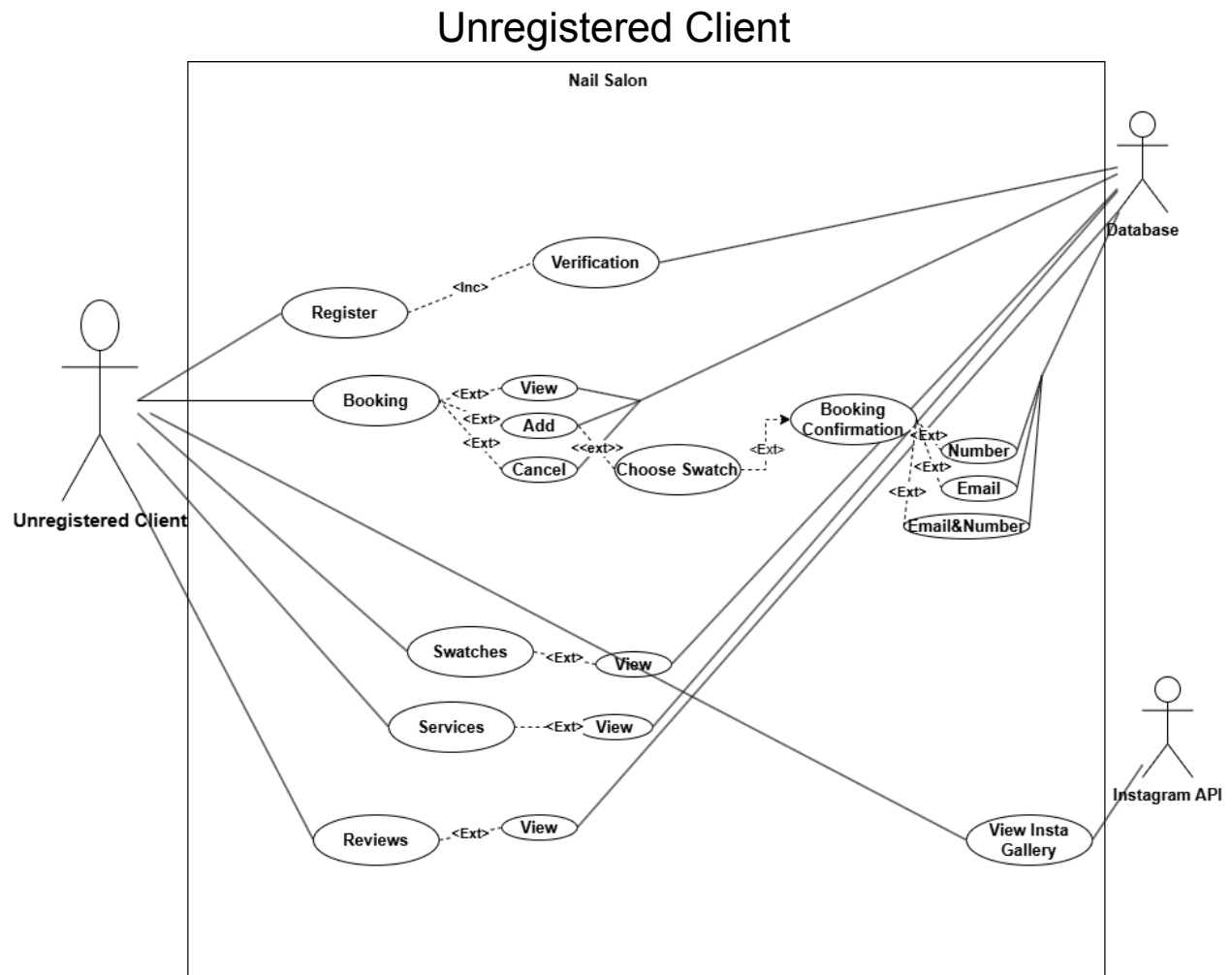
Booking



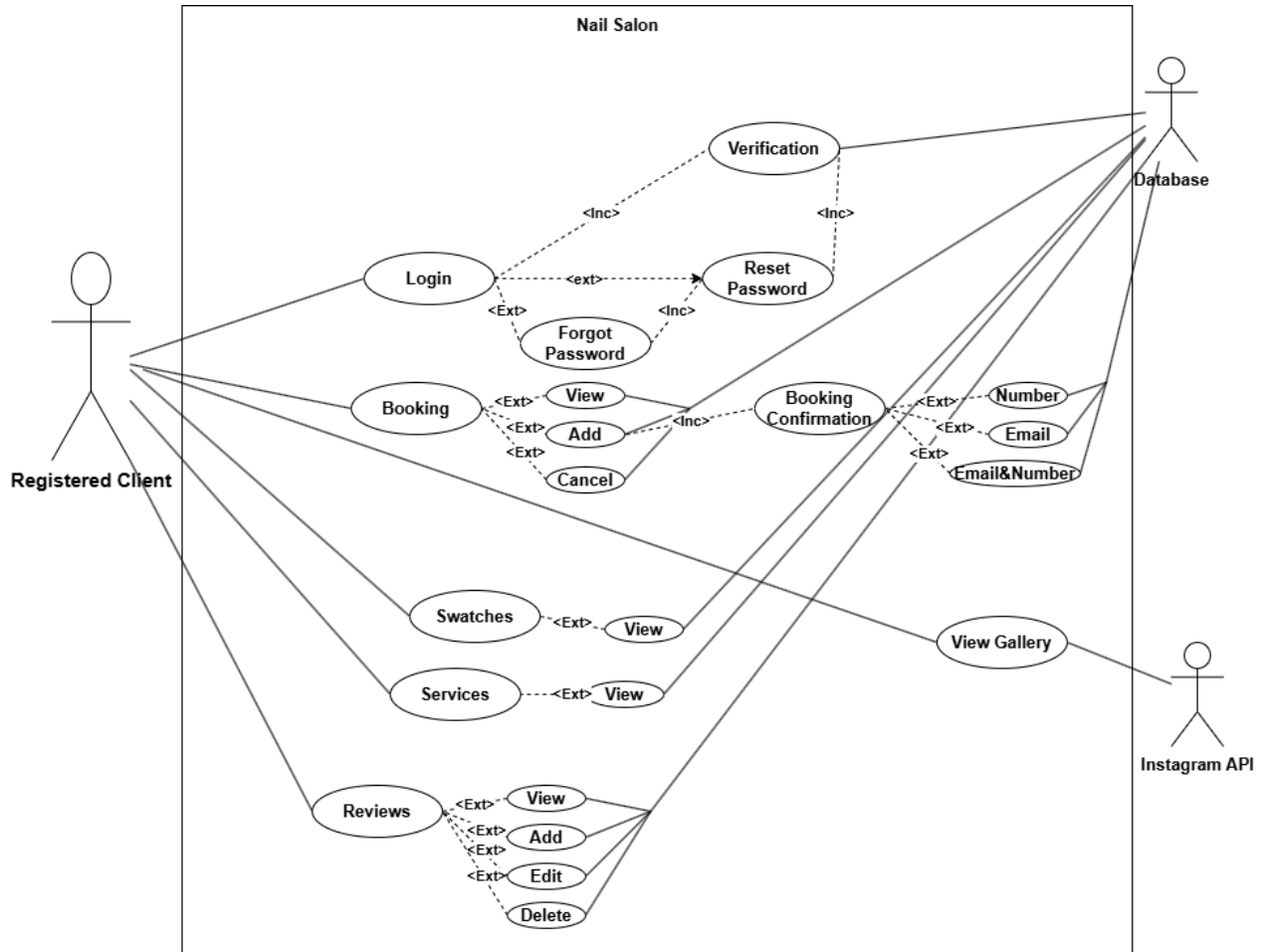
Account



Appendix 2 - Use Cases



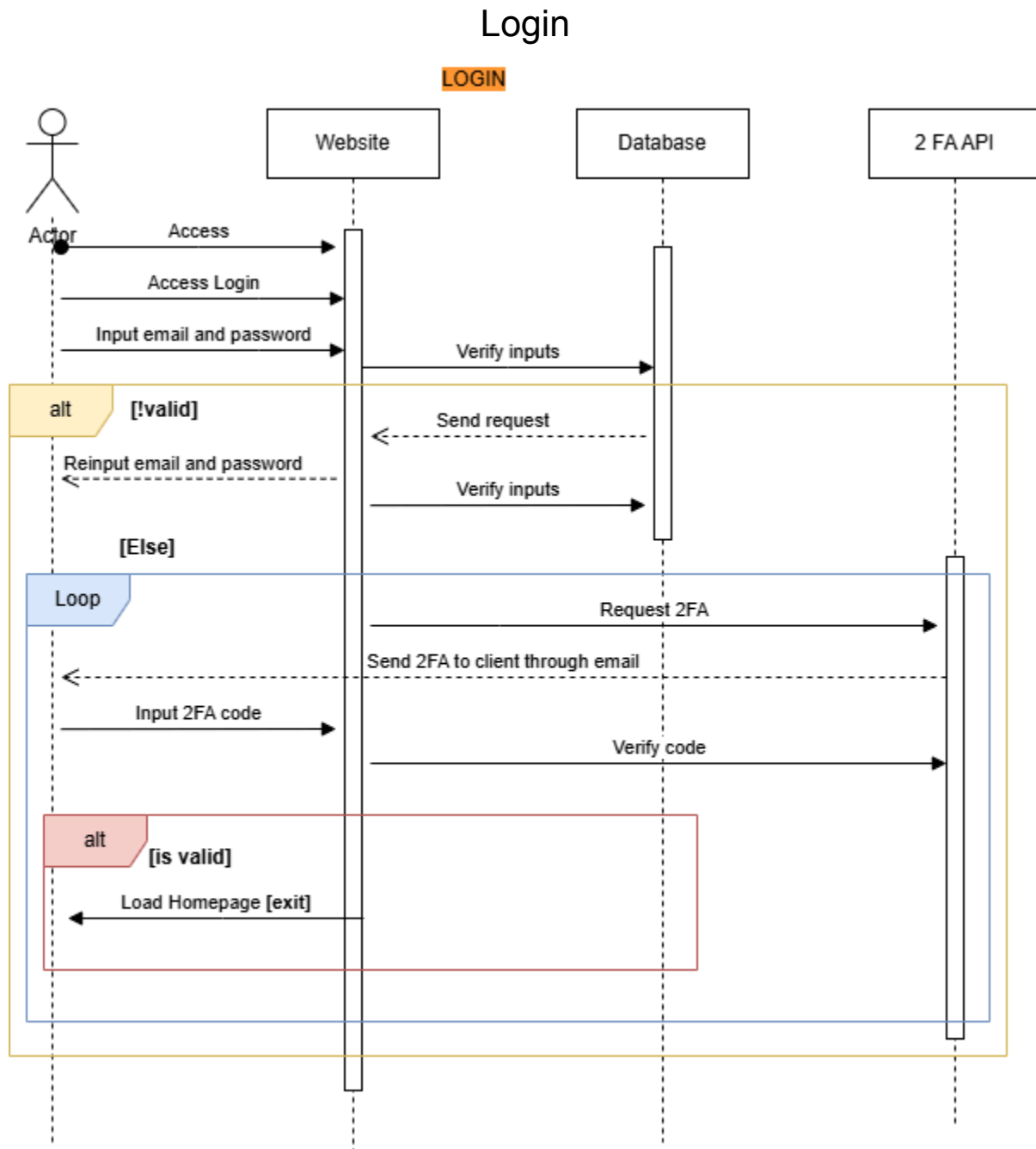
Registered Client



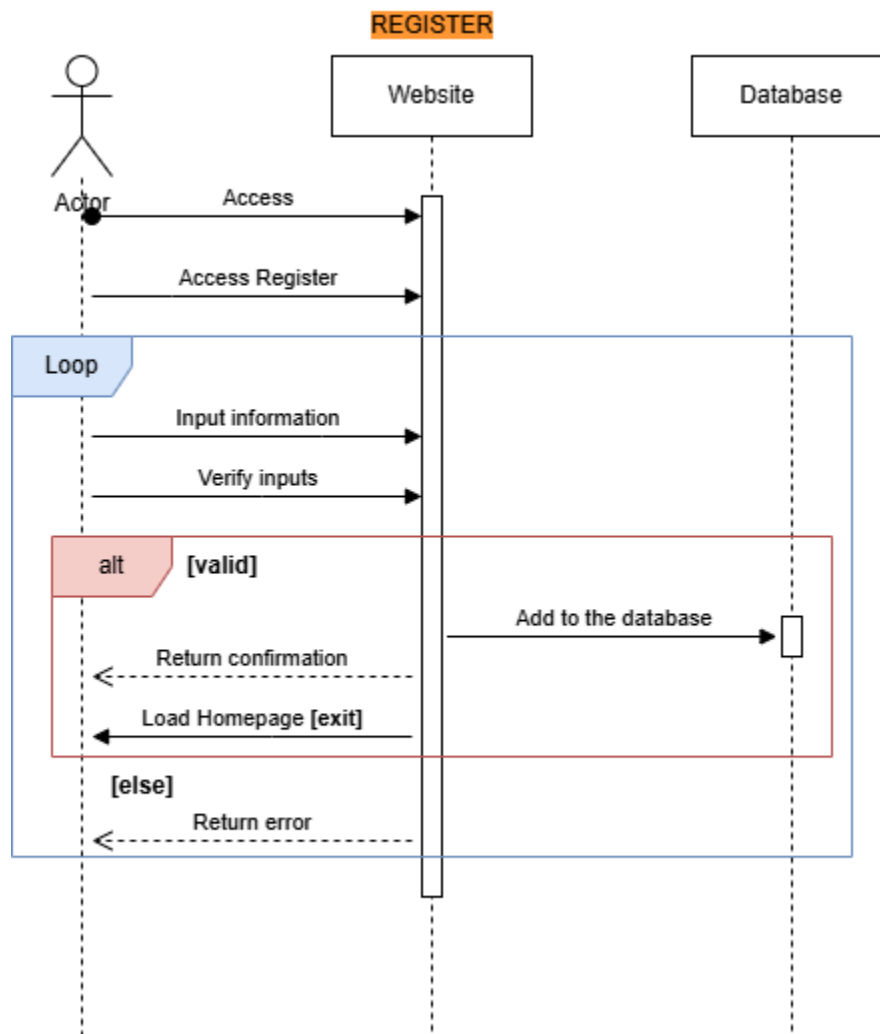
Admin



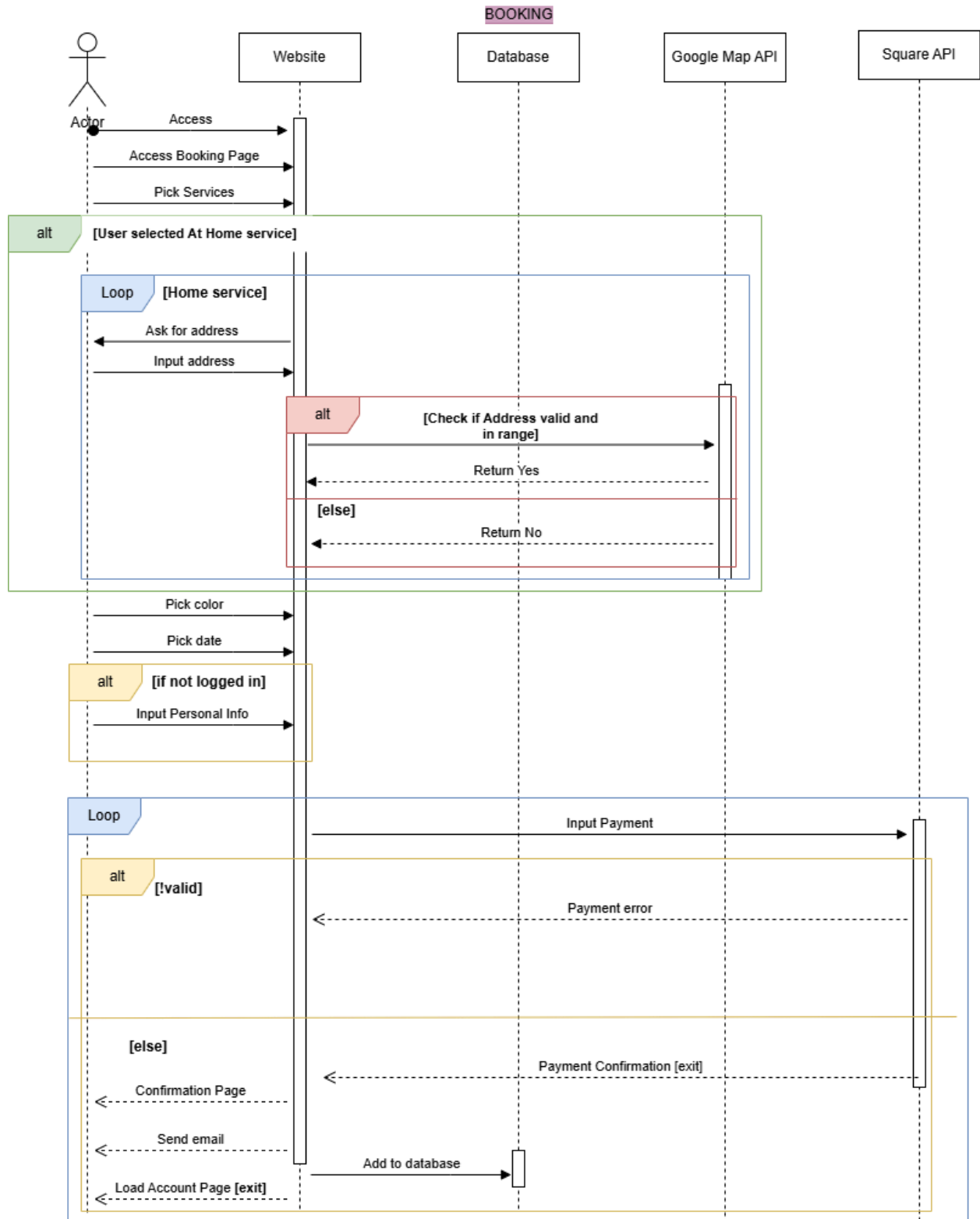
Appendix 3 - Sequence Diagrams



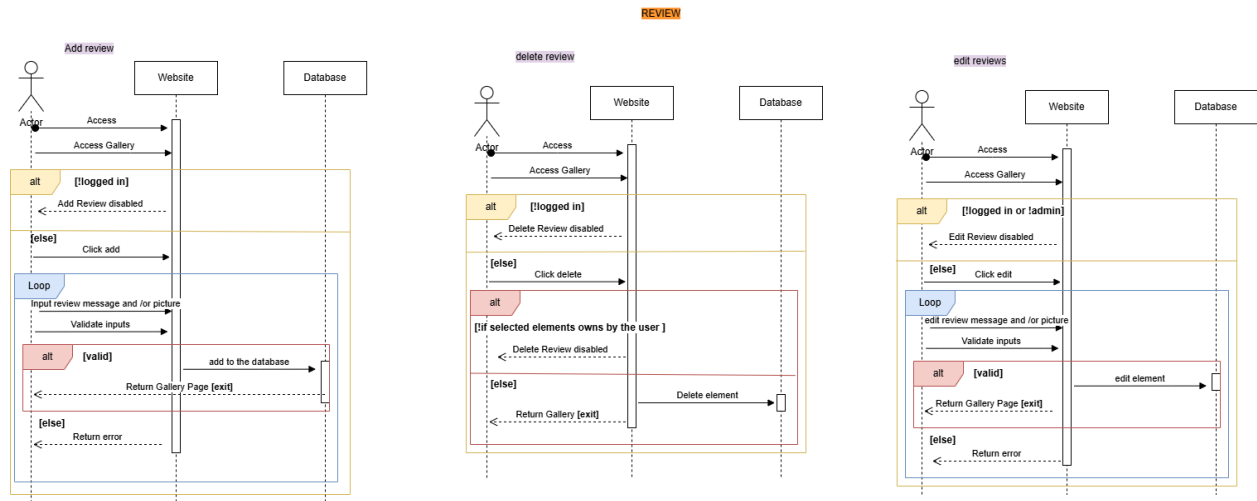
Register



Booking

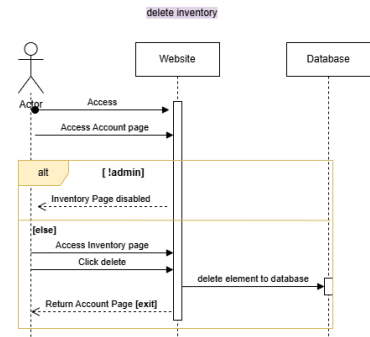
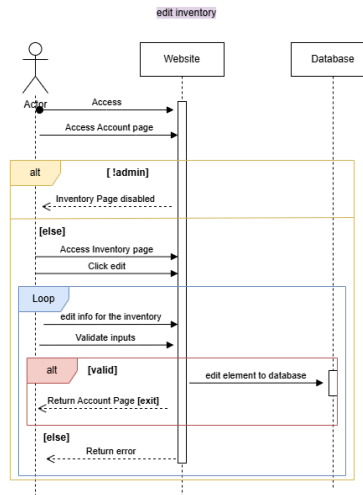
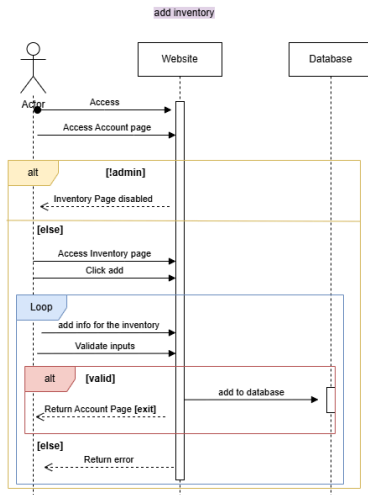


Review

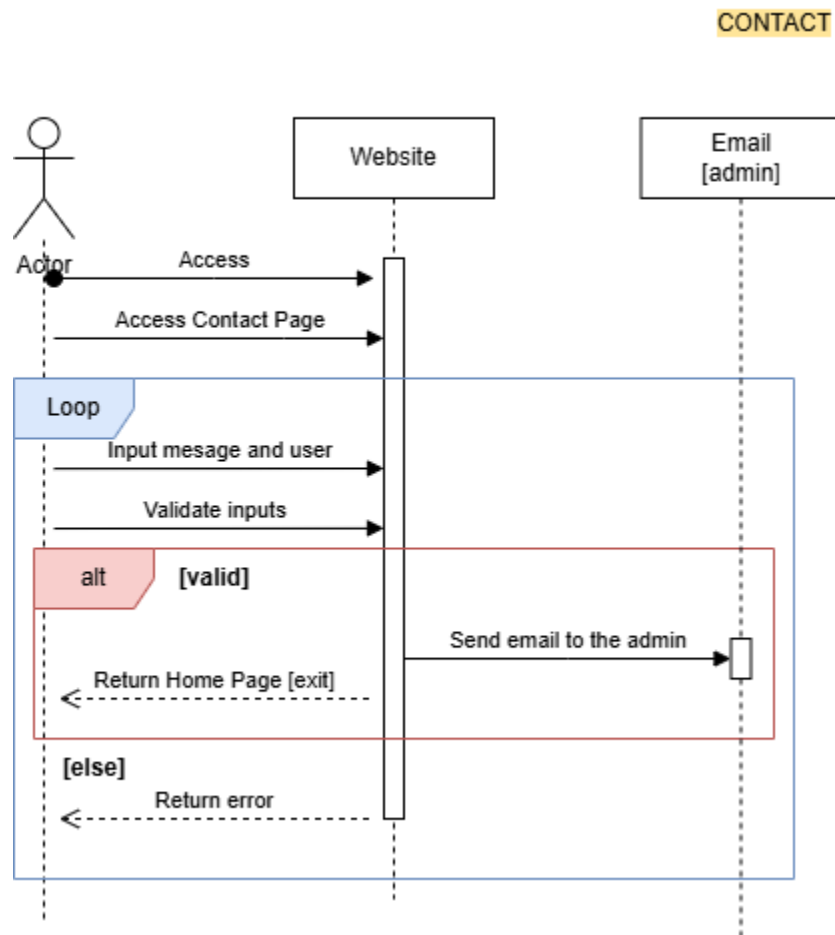


Inventory

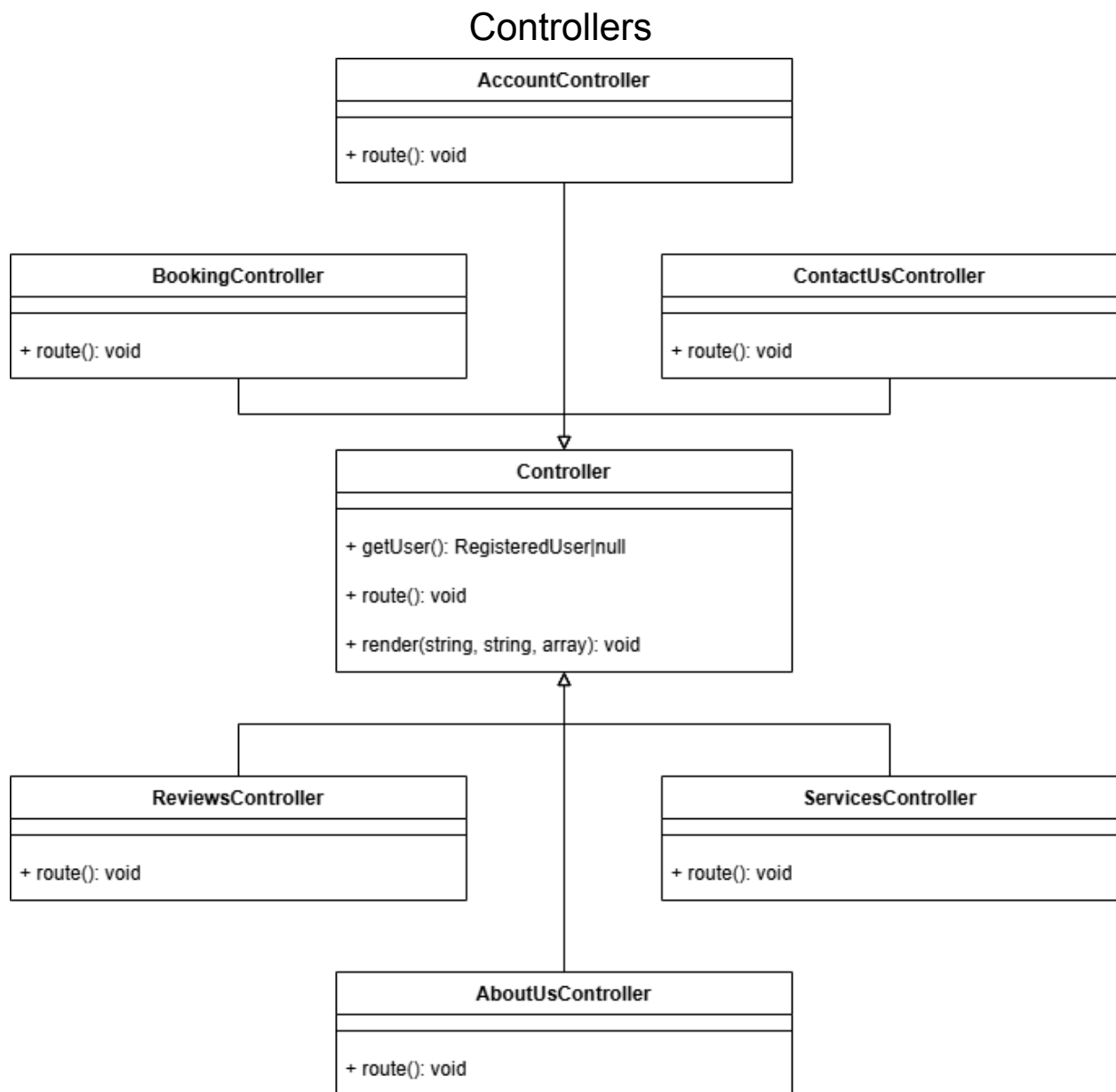
INVENTORY
ADMIN



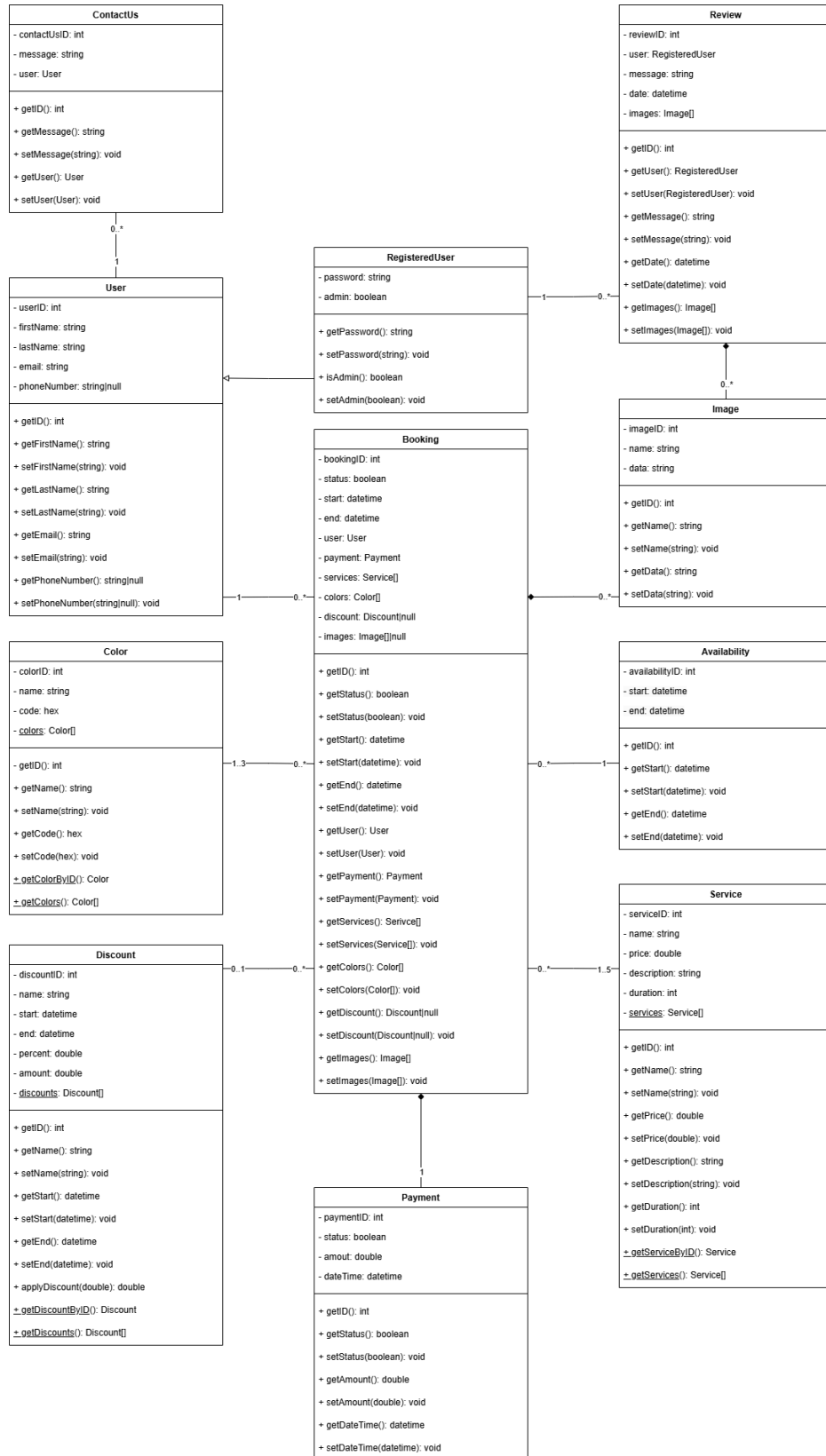
Contact



Appendix 4 - Class Diagrams



Models



Appendix 5

Client informed us that there weren't any documents or forms of those kinds being used.

The Gantt chart displays a project schedule with tasks and their durations. The tasks are organized into columns representing time intervals. The chart includes a legend at the bottom with various icons and labels.

Task Name	Duration	Start	End	Resource Names
System Development Orange Team	71 days	Fri 24-09-23	Fri 24-10-29	
Deliverable 1: Planning	3 days	Fri 24-09-23	Thu 24-09-29	Janina,Max,Sen,Trevor
Team Assessment	15 min	Fri 24-09-23	Fri 24-09-23	Janina,Max,Sen,Trevor
Find a client	10 min	Fri 24-09-23	Fri 24-09-23	Trevor
Discuss with client	1 hr	Fri 24-09-23	Fri 24-09-23	Trevor
Finalize Deliverable 1	4 hrs	Fri 24-09-23	Fri 24-09-23	Max,Sen,Janina,Trevor
Team Leader duties	1 hr	Fri 24-09-23	Fri 24-09-23	Trevor
Develop Deliverable 2 plan	1 hr	Fri 24-09-23	Fri 24-09-23	Janina,Max,Sen,Trevor
Delivery Time and Work Progress	5 days	Fri 24-09-23	Thu 24-09-29	
Deliverable 2: Client and Business	4 days	Fri 24-09-23	Thu 24-09-29	
Prepare Questionnaire	1 min	Fri 24-09-23	Fri 24-09-23	Trevor,Max,Sen
Create Interface Proposal	1 day	Fri 24-09-23	Mon 24-09-25	Janina
Meet Client	1 hr	Fri 24-09-23	Fri 24-09-23	Trevor,Janina,Max,Sen
Organize Notes and Deliver	2 hrs	Fri 24-09-23	Fri 24-09-23	Max,Sen
Finalize Deliverable 2	3 hrs	Fri 24-09-23	Fri 24-09-23	Sen,Trevor
Team Leader duties	3 hrs	Mon 24-09-25	Mon 24-09-25	Janina
Develop Deliverable 3 plan	1 hr	Mon 24-09-25	Mon 24-09-25	Janina,Max,Sen,Trevor
Delivery Time and Work Progress	5 days	Fri 24-09-23	Fri 24-09-29	
Deliverable 3: User Stories	4 days	Mon 24-09-25	Mon 24-09-29	
Prepare New Questions	1 hr	Mon 24-09-25	Mon 24-09-25	Trevor
Organize Features and Deliver	3 hrs	Mon 24-09-25	Mon 24-09-25	Janina,Max,Sen,Trevor
Listing of User Stories	1 hr	Mon 24-09-25	Mon 24-09-25	Max
Finalize Deliverable 3	2 hrs	Mon 24-09-25	Mon 24-09-25	Janina,Max,Sen,Trevor
Team Leader duties	1 hr	Mon 24-09-25	Mon 24-09-25	Janina
Develop Deliverable 4 plan	1 hr	Tue 24-09-26	Tue 24-09-26	Janina,Max,Sen,Trevor
Delivery Time	3 days	Mon 24-09-25	Mon 24-09-25	
Deliverable 4: User Stories Map and UML Diagrams	16 days	Tue 24-09-27	Fri 24-10-13	
User Stories Map	2 hrs	Tue 24-09-27	Tue 24-09-27	Janina,Sen
Design Diagrams	2 hrs	Tue 24-09-27	Tue 24-09-27	Max,Sen,Janina
Finalize Deliverable 4	2 hrs	Wed 24-09-28	Wed 24-09-28	Janina,Max,Sen,Trevor
Team Leader duties	1 hr	Wed 24-09-28	Wed 24-09-28	Sen
Develop Deliverable 5 plan	4 hrs	Wed 24-09-28	Wed 24-09-28	Janina,Max,Sen,Trevor
Delivery Time	14 days	Tue 24-09-27	Fri 24-10-13	
Deliverable 5: Database Design	10 days	Mon 24-10-11	Fri 24-10-15	
ER Diagram	2 hrs	Mon 24-10-11	Mon 24-10-11	Max,Trevor
Design Database	4 hrs	Mon 24-10-11	Mon 24-10-11	Janina,Sen
Finalize Deliverable 5	2 hrs	Mon 24-10-11	Mon 24-10-11	Janina,Max,Sen,Trevor
Team Leader duties	1 hr	Tue 24-10-12	Tue 24-10-12	Max
Develop Deliverable 6 plan	2 hrs	Tue 24-10-12	Tue 24-10-12	Janina,Max,Sen,Trevor
Delivery Time	10 days	Mon 24-10-11	Fri 24-10-15	
Deliverable 6: Prototypes UI and Client Comments	7 days	Mon 24-11-06	Fri 24-11-10	
Design Prototypes Interface	2 hrs	Mon 24-11-06	Mon 24-11-06	Janina,Max,Sen,Trevor
Meet Client	2 hrs	Mon 24-11-06	Mon 24-11-06	Trevor
Review/Client Prototypes Interface	2 hrs	Mon 24-11-06	Tue 24-11-07	Janina,Max,Sen
Finalize Deliverable 6	2 hrs	Tue 24-11-07	Tue 24-11-07	Janina,Max,Sen,Trevor
Team Leader duties	1 hr	Tue 24-11-07	Tue 24-11-07	Janina,Max,Sen,Trevor
Develop Deliverable 7 plan	2 hrs	Tue 24-11-07	Tue 24-11-07	Janina,Max,Sen,Trevor
Delivery Time	5 days	Mon 24-11-06	Fri 24-11-10	
Deliverable 7: Implementation and Client Comments	15 days	Mon 24-11-11	Fri 24-12-29	
Program Project	2 hrs	Mon 24-11-11	Mon 24-1	

Bibliography
