

KidCare: A Web Application for Babysitter and Daycare Hiring

by

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A project report submitted in partial fulfillment of the requirements for the degree of
Bachelor of Science in Computer Science and Engineering

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DECLARATION

This project report is submitted to the Computer Science and Engineering, University of Liberal Arts Bangladesh, in partial fulfillment of the requirements for the degree of Bachelor of Science. So, I hereby declare that this project report is based on the surveys found by me. Materials of work found by other researchers are mentioned by reference. This project report, neither in whole nor in part, has been previously submitted for any degree.

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CERTIFICATE OF APPROVAL

The project report entitled “KidCare: A Babysitter and Daycare Hiring Web Application” is submitted to the **Computer Science and Engineering**, University of Liberal Arts Bangladesh, Dhaka, in partial fulfillment of the requirements for the degree of Bachelor of Science.

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ACKNOWLEDGEMENT

First, I would like to thank the Almighty Allah for giving me the strength to complete this project.

A special thank goes to my honorable Supervisor, Dr. Farhana Sarker , Assistant Professor Department of CSE, University of Liberal Arts Bangladesh, for permitting me to work under her supervision, accepting my project idea, and letting me work on it. Thank you, ma'am, for encouraging me from time to time. Your encouragement helped me fulfill this project's target and complete it in time.

Finally, I would like to thank my guardians and my friends for their perpetual back and motivation.

ABSTRACT

As the world is evolving day by day, the lifestyle of the people is also being changed with it. Nowadays, women in Bangladesh are not only limited to household chores but also contribute to various essential economic aspects. As Bangladesh is emerging from a least developed country status to a developing country status, more and more female workers involve themselves in the workforce. Taking good care of the children in such circumstances is impossible as both parents are busy making their living. When a child grows up in an environment where he does not get any company, their mental growth will be hindered. He can be introverted and afraid of crowds. That is why I believe the daycare system is essential in this modern era to care for a child and give them a better environment to grow up with other children.

However, in Bangladesh, there is no reliable source where people can find nannies, babysitters, or daycare to assist working parents. This dilemma motivated me to develop "KidCare." A website for all the needs of a working parent. Parents can log on to the system and find their perfect helper at an affordable price. Some parents might wonder if the worker is reliable or not. The answer is yes, as the workers must provide their essential details and a photo of their NID card while signing into the system. While away at work, parents can monitor what their baby is doing, which will be updated by the babysitter.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

"KidCare" is a service website for all the needs of a working parent. Parents can log in or signup to the system and find their perfect helper. Parents can compare prices between the helpers, view their profiles, and book an appointment in which the helper will visit their home to take care of the baby. If the parent wants to leave their child in a daycare, they can compare the services and prices of the Daycare and set a drop-off time to leave their child and a pick-up time to pick up their children. After the job, the parent can leave a comment and rate the service provided. While in care, the parents will be able to monitor what their child is doing in the care. Babysitters will also be able to signup and then login into the system. While signing up, the babysitter must submit their nid care and other necessary documents, which the admin will later verify. They can manage their appointments and accept jobs in their comfort. While on a job, they will be able to update the baby's whereabouts so that the parents can monitor the baby's whereabouts. Functionality is similar in the case of Daycare. Additionally, they will be able to monitor several babies in the Daycare that day. Also, view their customer history. Finally, the admin's role is to manage the overall system. Managing users, daycares, and babysitters is their primary role.

1.2 Motivation

As the world is evolving day by day, the lifestyle of the people is also being changed with it. Nowadays, women are not only limited to household chores but also contribute to various essential aspects. As Bangladesh is emerging from a least developed country status to a developing country status, more and more female workers involve themselves in the workforce. Taking good care of the children in such circumstances is impossible as both parents are busy making their living. When a child grows up in an environment where he does not get any company, their mental growth will be hindered. He can be introverted and afraid of crowds. I observed that many working parents face difficulties working outside because of their babies. Working mothers lack trust in their helping hand to look after their babies. I saw many of my university friends who have kids, and at the same time, they have to attend classes, so it is

tough for them to leave their babies at home. I think mothers need a secure and kid-friendly environment to care for their babies, and they do not have to worry. This inspired me to develop “KidCare,” where working mothers can easily find excellent and secure help.

1.3 Objectives

Kidcare is a babysitter and daycare hiring website that helps families find qualified and trustworthy caregivers in their area. Our mission is to make finding quality child care more accessible and convenient for families. We offer a variety of features and resources to help families find the perfect care solution for their needs. Kidcare will provide families with a safe and secure way to find and connect with babysitters and daycare providers in their area. Kidcare has the unique feature of letting parents know their baby's whereabouts. Whatever the baby might be doing, the caregiver can update the system, and the parent will be able to know in real-time. We are committed to providing a safe and secure platform for families to connect with caregivers. All our caregivers must undergo a background check. Our goal is to become the leading babysitter and daycare hiring website in the country and to help as many families as possible find quality child care.

1.4 Expected Outcomes

- A user-friendly interface that is easy to navigate
- A wide selection of babysitters to choose from
- The ability to read reviews of babysitters before making a selection
- Affordable prices for babysitting services
- A safe and secure website that is trustworthy
- The ability to cancel or reschedule services as needed
- 24/7 customer support in case of any problems
- A satisfaction guarantee for users

1.5 Project Management

Project management is the process of organizing and executing a project from start to finish. It involves creating a project plan, which outlines the tasks that need to be completed, assigning resources to those tasks, and tracking progress over time. Project management is a critical skill

for any organization, as it helps to ensure that projects are completed on time, within budget, and to the desired level of quality. [1]

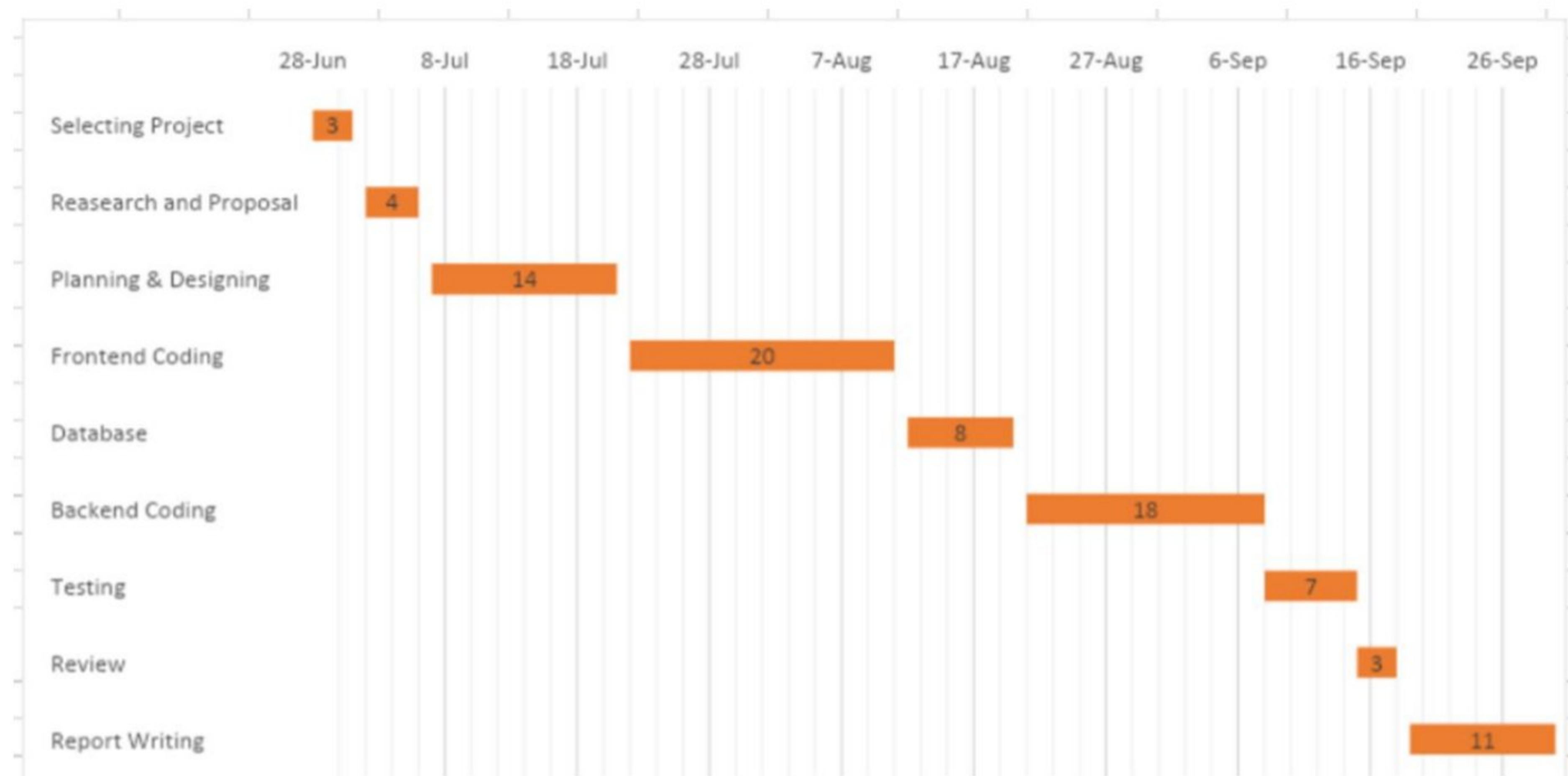


Figure-1.1- Grant Chart

CHAPTER 2

BACKGROUND

2.1 Preliminaries/Terminologies

Developer: A person or company that creates new products, especially computer products such as software.

Web Application: Software created and used on websites.

Babysitter: A person who takes care of children for a short period of time while the parents are away.

Daycare: A daycare is a place where children are cared for during the day while their parents are away.

Database: A database is a program where the application's information is stored and retrieved.

2.2 Related Works

New Horizon Academy

It is a very popular daycare center in Brooklyn. It has an amicable environment for the children, and the nannies are well-experienced here. All the information about the daycare center can be found on this website. The website is updated with various news and events from time to time. There is also a notification alert system that notifies any queries through email. A frequently asked questions system is also added to the website. Besides, there is a service parenting pickup podcast. There are opportunities for girls and women to pursue their careers here. It can also be communicated by email, which is added in the contact portion. [2]

WeCare

It is a US-based daycare center with a website with lots of information. It provides a tremendous service and has several experienced nannies. It also has a valid license, making it more trustworthy to clients. The reviews of the clients on the website are positive. It provides all the information about the expenses precisely, which helps the client to estimate the monetary matter while taking the service. [3]

Briarcliff Child Care

It is a Canadian daycare organization that also maintains a website. Every service provided by the organization is mentioned there in detail. It usually looks after a baby six weeks after its birth. There is a load of information within the links and descriptions on the website, which are very useful for new parents. It can be mentioned here as an example that they easily explain complicated matters in many steps and chronological order, like Infants, Toddlers, Terrific Twos, etc. The ways of contacting them are also mentioned there in a different segment. [4]

2.3 Comparative Analysis

As a parent, finding quality child care for children is essential. Many websites can help a parent find a babysitter or daycare, but Kidcare is a website that is specifically designed to help a parent find quality child care. When a parent uses Kidcare, they can search for babysitters or daycares in their area. Parents can also read reviews of babysitters and daycares, so they can see what other parents think about them. One of the great things about Kidcare is that they have much information about each babysitter or daycare. For example, parents can see how many years of experience they have, their education, and their specialties. This helps them to find a babysitter or daycare that is a good fit for their family. Another great thing about Kidcare is that they have various resources to help with their search. If you are looking for a babysitter or daycare, Kidcare is a great website to check out. They have much helpful information, making finding quality child care in your area easy.

2.4 Scope of the Problem

In Bangladesh, the scope for a babysitter hiring and daycare website is quite large. This is because there is a great demand for these services, and the market is still relatively untapped. Many families need childcare, but they do not know where to turn. This is where a website like KidCare can come in handy. Having a central place where families can find babysitters and daycares can make the process easier for everyone involved. Such a website will allow Families to find what they are looking for quickly and easily. Overall, the scope for a babysitter hiring and daycare website in Bangladesh is quite large. There is a great demand for these services, and the market is still relatively untapped. If we can create a well-designed and secure website, we can tap into this demand and help make the lives of families in Bangladesh much easier.

2.5 Challenges

- Developing a user-friendly interface that is both aesthetically pleasing and easy to navigate.
- Creating a database of babysitters and daycares that is both comprehensive and up-to-date.
- Incorporating features that allow users to search for babysitters and daycares based on specific criteria.
- Implementing security measures to protect the privacy and personal information of users.
- Ensuring that the website is accessible on a variety of devices and browsers.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Development Methodology

In computing, a software development methodology is a framework used to structure, plan, and control the process of developing information systems. Many software development approaches have been created and described throughout the years, and each one is composed of different phases, activities, and tasks.

I chose to use the waterfall model for developing this web application. The waterfall model is one of the most popular software development methodologies. It is a linear approach that goes through several phases, including requirements gathering, design, implementation, testing, and maintenance. [5]

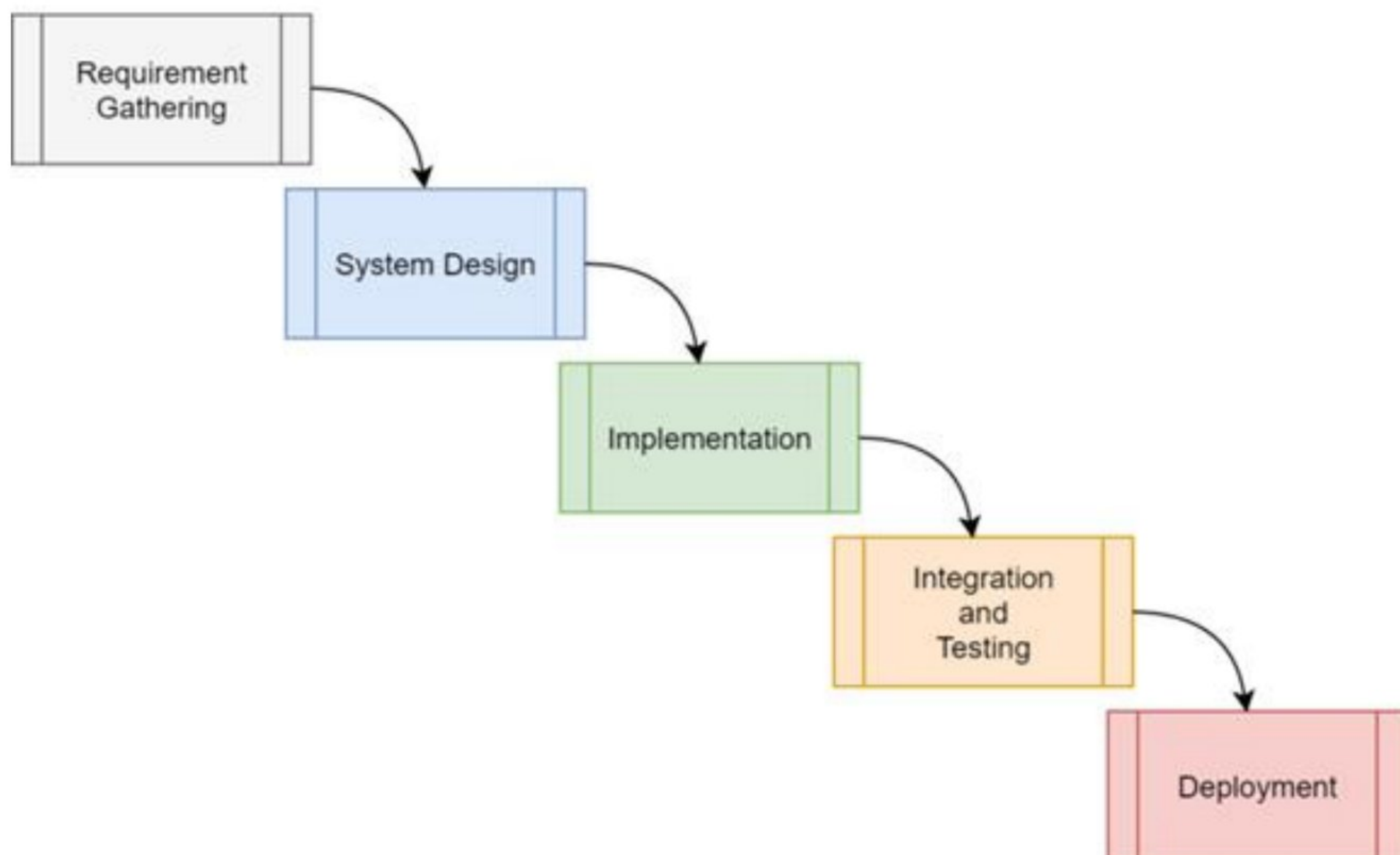


Figure-3.1: waterfall model

I chose to use the waterfall model for developing my website for a few reasons:

1. I wanted to have an obvious and concise plan for each stage of development before moving on to the next.
2. I wanted to ensure that each element of the website was completed before moving on to the next to avoid any errors or issues.
3. I wanted to track the development process's progress and ensure that everything was on schedule.

3.2 Requirement Analysis

Requirement analysis is the first step in the software development process, where analysts work with stakeholders to identify and document the specific requirements for the software they want to develop. This process can be done through interviews, surveys, workshops, or other means of gathering information from stakeholders. The requirements that are gathered during this process must be clear, concise, and specific enough that they can be used to guide the development of the software. Once the requirements have been gathered, they must be analyzed to determine what is necessary for the software to meet the needs of the stakeholders. This can involve creating user stories, use cases, or other artifacts that describe how the software will be used. The requirements must also be analyzed for feasibility, to ensure that they are achievable and that the development team has the necessary skills and resources to meet them. [6]

3.2.1 Functional Requirements

Table 3.1 User Functional Requirements

Identifier	Requirements
REQ-1	Users will be able to log into the system.
REQ-2	Users will be able to signup for the system.
REQ-3	Users will be able to set up their profiles.
REQ-4	Users will be able to search for babysitters.
REQ-5	Users will be able to search for nearby daycares.
REQ-6	Users will be able to hire a babysitter.
REQ-7	Users will be able to book appointments with the daycare.

REQ-8	Users will be able to join a daycare
REQ-9	Users will be able to rate and comment on the babysitter service
REQ-10	Users will be able to rate and comment on daycare
REQ-11	Users will get notifications on baby's whereabouts via the system
REQ-12	user will be able to message the babysitter and the daycare they hired

Table 3.2 Babysitter Functional Requirements

Identifier	Requirements
REQ-1	Babysitter will be able to log into the system.
REQ-2	Babysitter will be able to signup for the system.
REQ-3	Babysitter will be able to set up their profiles.
REQ-4	Babysitter will be able to view job requests.
REQ-5	Babysitter will be able to accept or reject the job.
REQ-6	Babysitter will be able to view employer profiles.
REQ-7	Babysitter will be able to update the baby's whereabouts.
REQ-8	Babysitter will be able to mark the job done

Table 3.3 Daycare Functional Requirements

Identifier	Requirements
REQ-1	Daycare will be able to log into the system.
REQ-2	Daycare will be able to signup for the system.
REQ-3	Daycare will be able to set up their profiles.
REQ-4	Daycare will be able to view job requests.
REQ-5	Daycare will be able to accept or reject the job.
REQ-6	Daycare will be able to view employer profiles.
REQ-7	Daycare will be able to update the baby's whereabouts.

REQ-8	Daycare will be able to mark the job done
--------------	---

Table 3.4 Admin Functional Requirements

Identifier	Requirements
REQ-1	Admin will be able to log into the system.
REQ-2	Admin will be able to set up their profiles.
REQ-3	Admin will be able to manage users
REQ-4	Admin will be able to manage babysitters
REQ-5	Admin will be able to manage daycare
REQ-6	Admin will get system statistics from the system

3.2.2 Non-Functional Requirements

Table 3.5 Non-Functional Requirements

Identifier	Requirements
REQ-1	The website must be designed for ease of use by parents and guardians.
REQ-2	The website must allow parents and guardians to search for babysitters and daycares in their area.
REQ-3	The website must provide contact information for babysitters and daycares.
REQ-4	The website must allow parents and guardians to leave reviews of babysitters and daycares.
REQ-5	The website must allow babysitters and daycares to create profiles.
REQ-6	The website must provide a way for parents and guardians to message babysitters and daycares.
REQ-7	The website must allow parents and guardians to schedule appointments with babysitters and daycares.
REQ-8	The website must be secure, with data encryption and user authentication.
REQ-9	The website must be accessible on all devices, including mobile phones and tablets.

2.3 System Designs

Systems design is the process of specifying the components, subsystems, interfaces, and other characteristics of a system. It is a step in the systems engineering process. Systems design may be performed by a systems architect or systems engineer. A systems architect is responsible for the overall design of the system, while a systems engineer is responsible for specifying the individual components and subsystems. Systems design is an iterative process, with each iteration refining the specification of the system. The first iteration of the systems design process typically produces a high-level design, which is then refined in subsequent iterations to produce a detailed design. [7]

2.3.1 Use Case Diagram

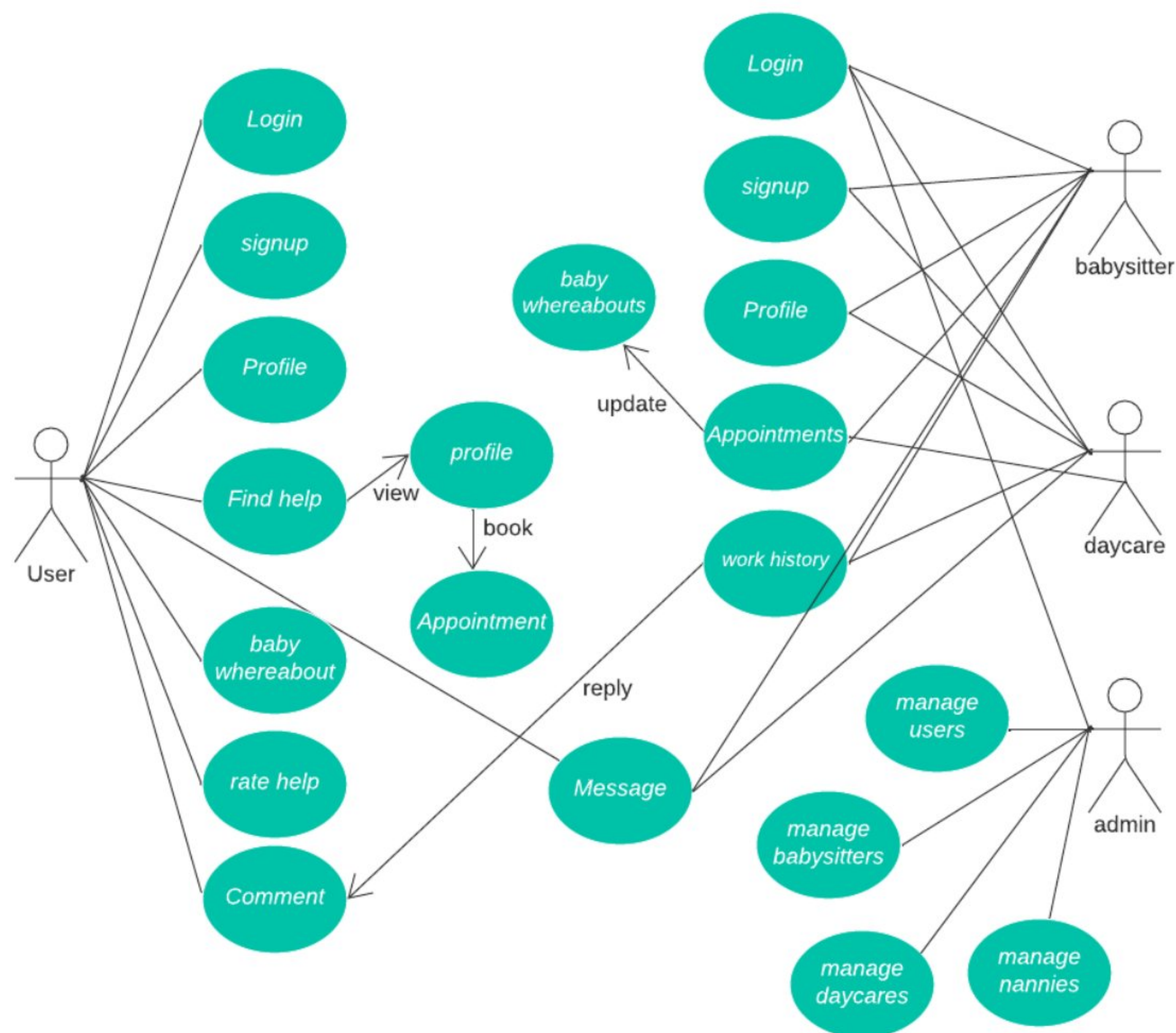


Figure 3.2: Use Case Diagram

2.3.2 Data Flow Diagram

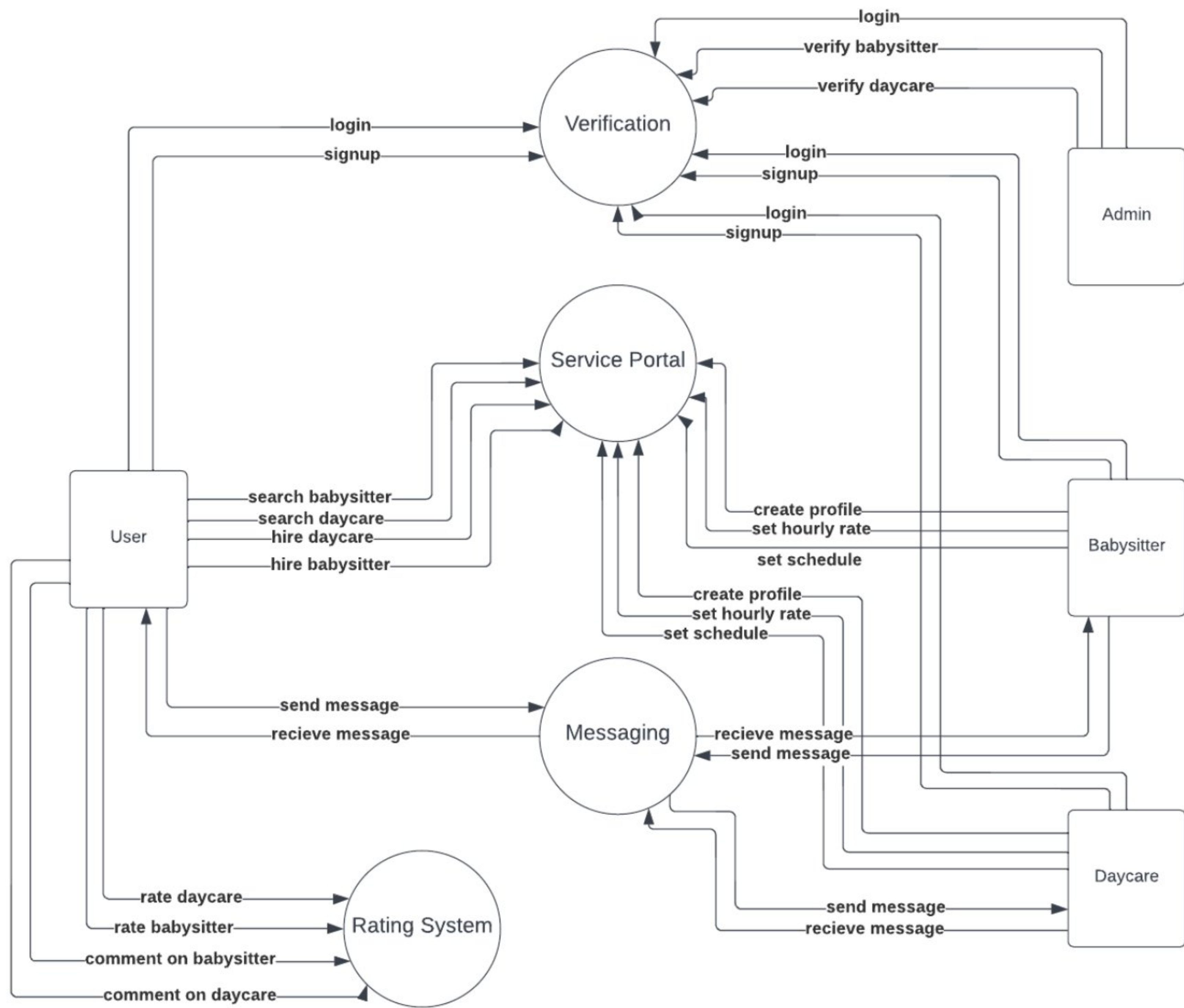


Figure-3.3: Data Flow Diagram

2.3.3 Activity Diagram

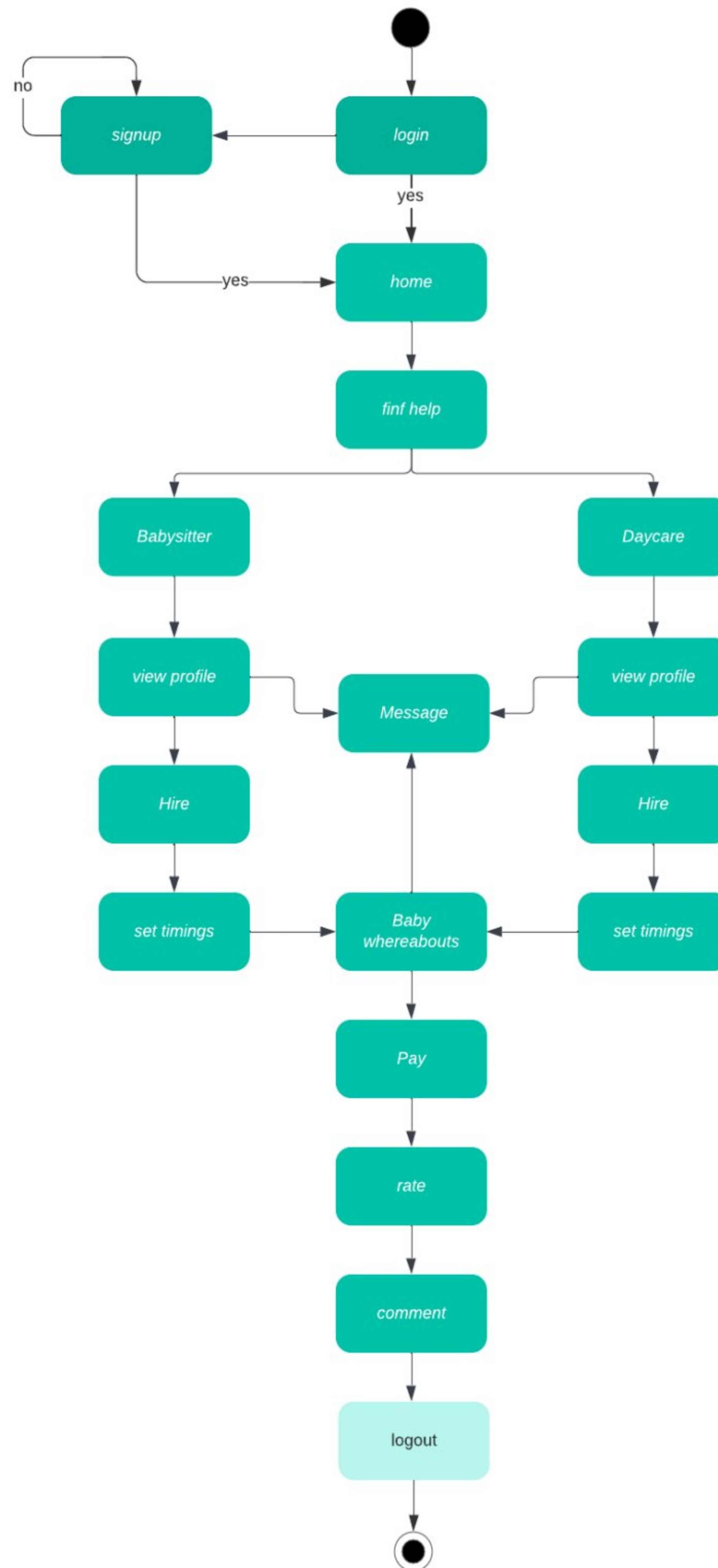


Figure-3.4: System Activity

CHAPTER 4

DESIGN SPECIFICATION

4.1 Front-end Design

HTML, CSS, JavaScript, and Bootstrap are all front-end web development technologies. I used them because they are the most popular technologies for building websites. They are also very powerful and allow for much customization and flexibility. HTML is the standard markup language for creating web pages. It is very simple and easy to learn. CSS is used for styling and adding visual effects to web pages. JavaScript is a programming language used to add interactive features to websites. Bootstrap is a CSS framework that makes creating responsive and mobile-friendly websites easy.

4.2 Back-end Design

I used PHP for the back-end design and MySQL for the database of KidCare because they offered various benefits. Firstly, it allowed me to create database-driven websites quickly and easily. Secondly, it offered great flexibility in terms of design and functionality. Thirdly, it was easy to use and had a wide range of support from the online community. Lastly, it was relatively inexpensive to set up and maintain.

4.3 Implementation Requirements

1. The website should be designed using responsive web design principles.
2. The website should be designed to be accessible to as many users as possible.
3. The website should be designed to be compatible with all major browsers.
4. The website should be designed to be compatible with all major devices.
5. The website should be designed to be compatible with all major operating systems.
6. The website should be designed to be secure.
7. The website should be designed to be fast.
8. The website should be designed to be easy to use.
9. The website should be designed to be easy to navigate.
10. The website should be designed to be search engine friendly.

CHAPTER 5

IMPLEMENTATION AND TESTING

5.1 Implementation of Database

MySQL is a relational database management system (RDBMS), as well as a popular choice for web applications used by millions of websites. It is produced by for a number of different software environments. MySQL is free and open source software under the terms of the GNU General Public License, and is also available under a variety of proprietary licenses. MySQL is a central component of the popular LAMP open source web application software stack (and other "AMP" stacks). LAMP is an acronym for "Linux, Apache, MySQL, Perl/PHP/Python". [8]



Figure-5.1: Entity Relationship Diagram

5.2 Implementation of Front-end Design

This is my website landing page. User can able to search babysitter and daycare for their baby.

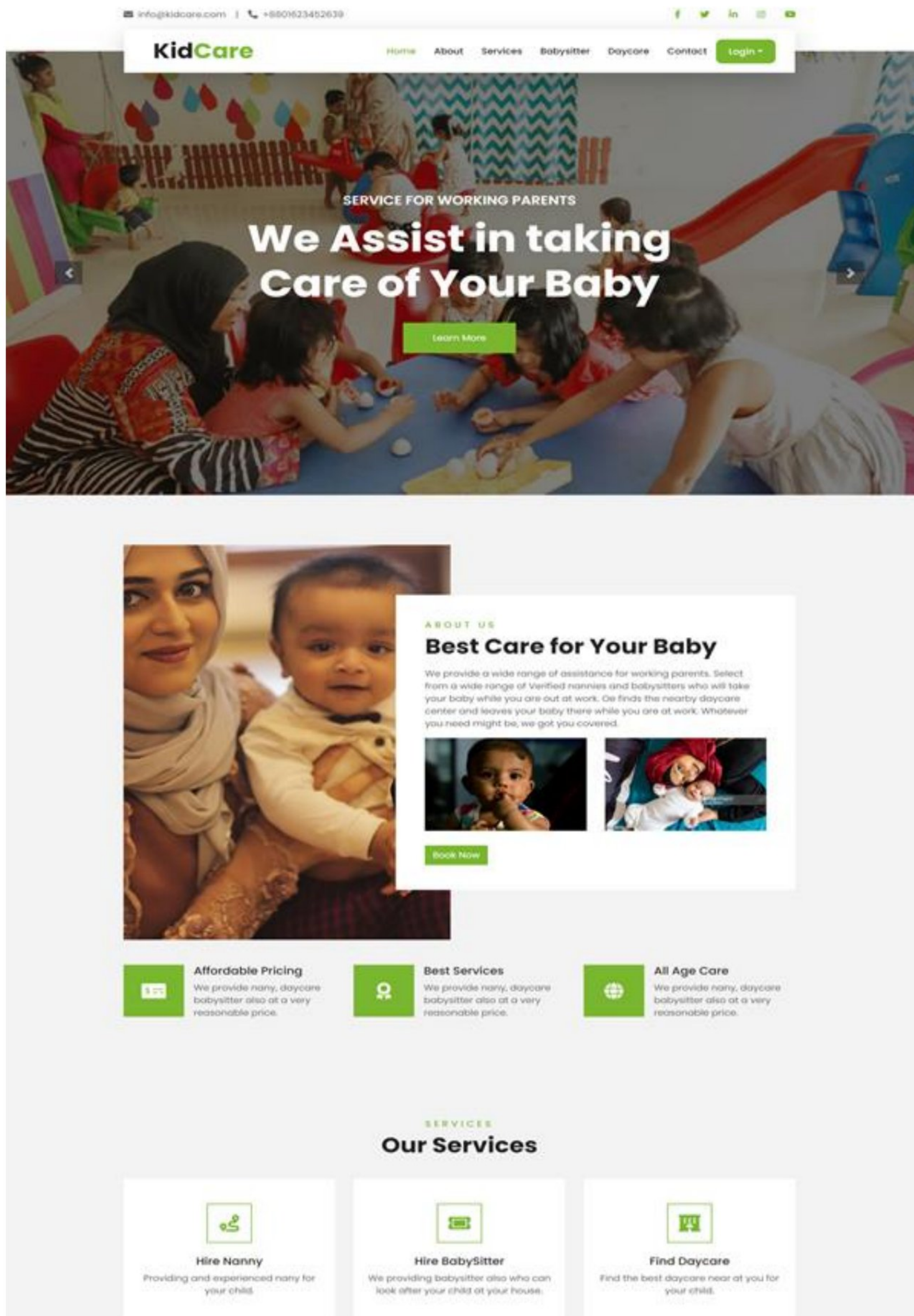


Figure-5.2: Home page

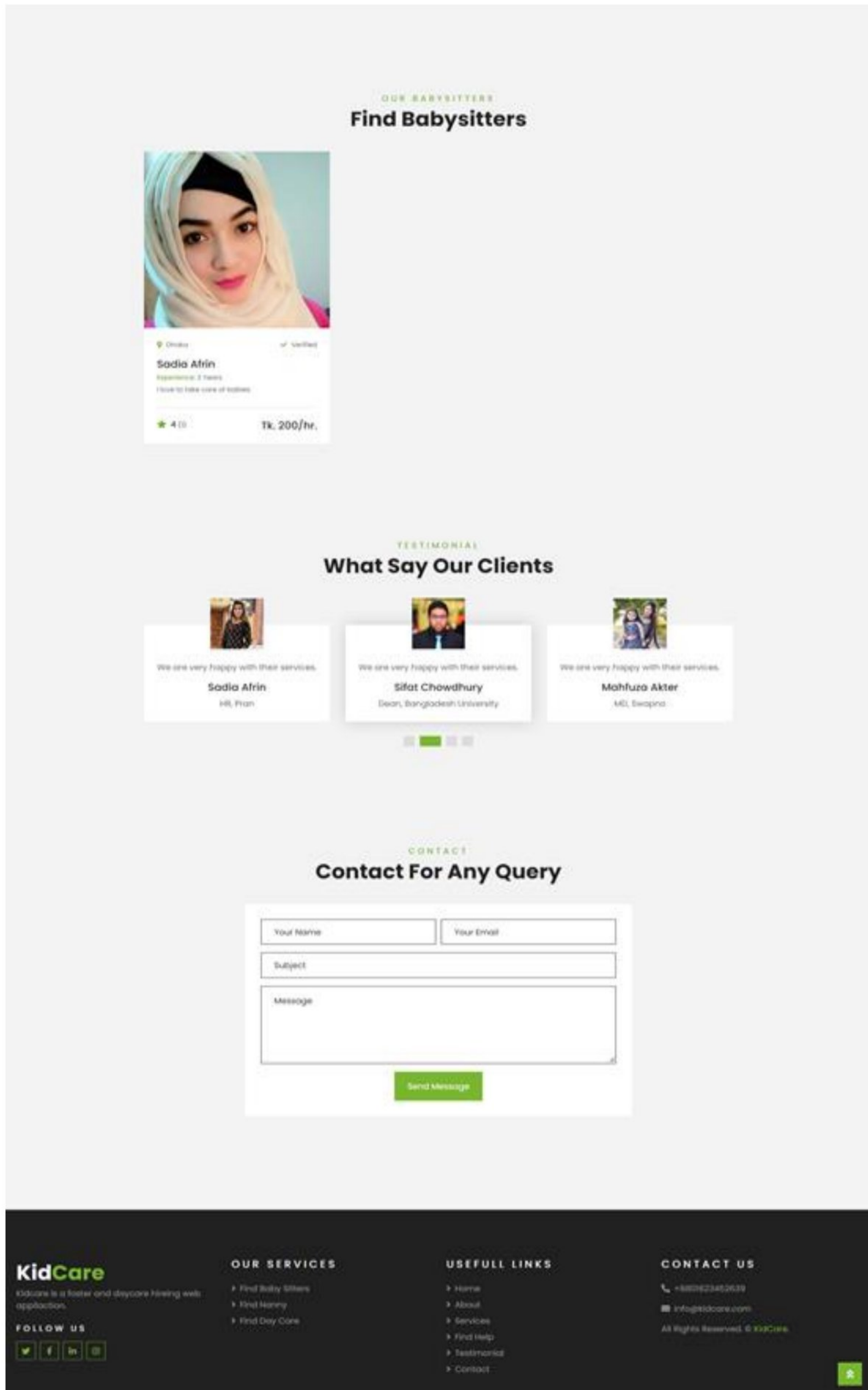
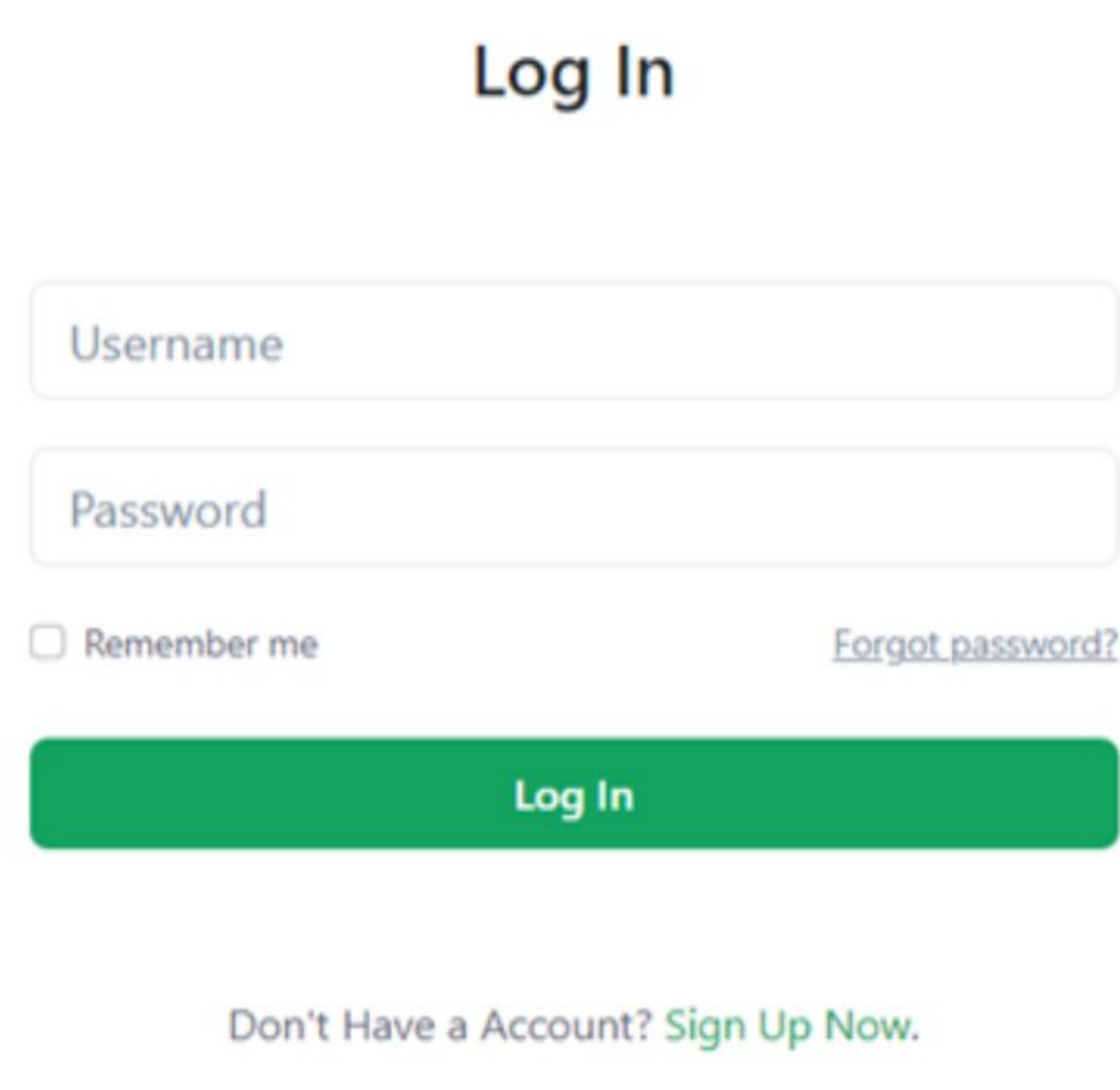


Figure-5.2: Home page

User, Babysitter, Daycare and admin login and Signup page



The 'Log In' form is centered on the page. It features a title 'Log In' in bold black text. Below the title are two input fields: 'Username' and 'Password'. Under the 'Password' field, there is a checkbox labeled 'Remember me' and a link 'Forgot password?'. A green button labeled 'Log In' is positioned below these fields. At the bottom of the form, there is a link 'Don't Have a Account? Sign Up Now.'.

Log In

Username

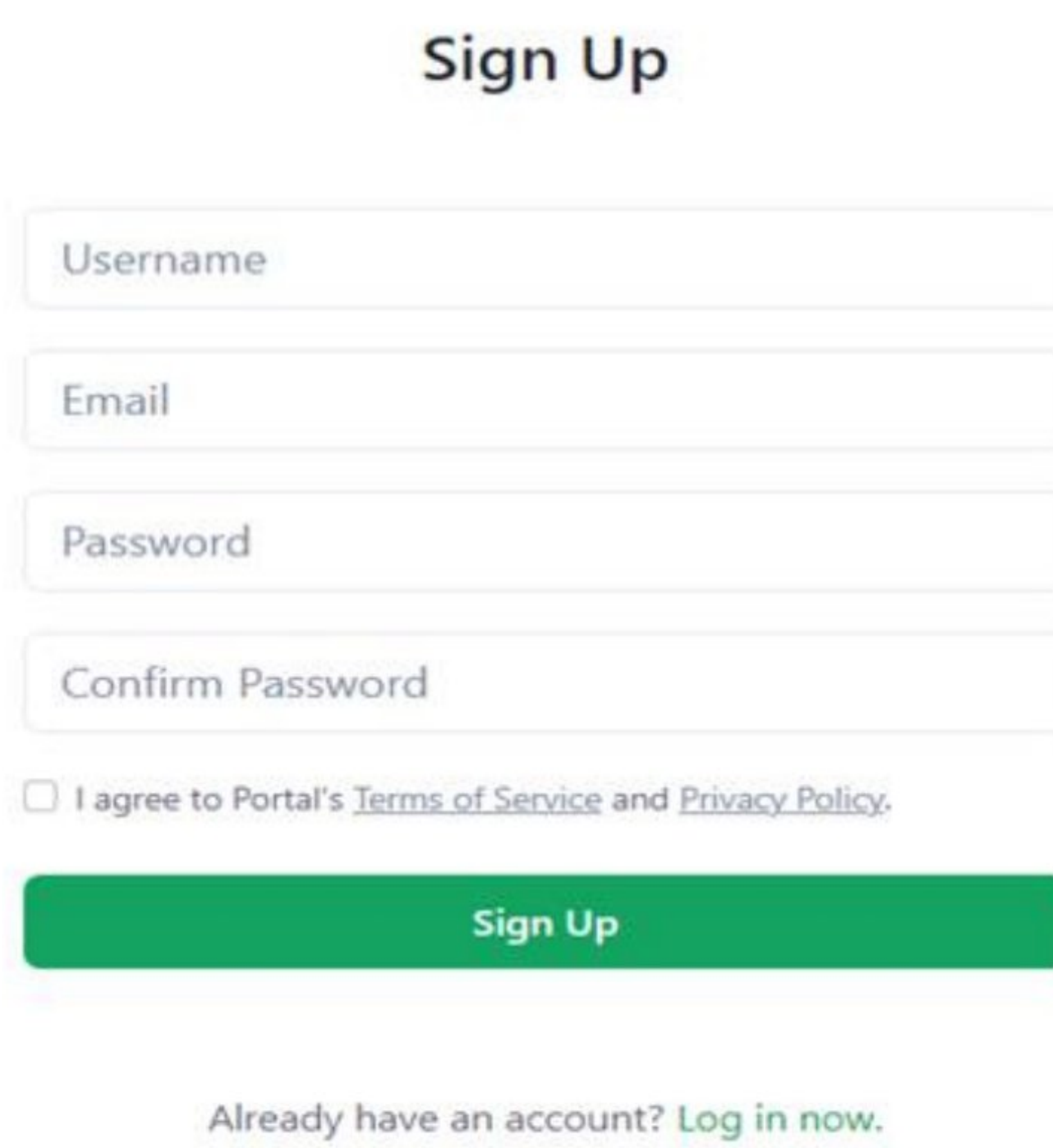
Password

☐ Remember me [Forgot password?](#)

Log In

Don't Have a Account? [Sign Up Now.](#)

Figure-5.3:log in



The 'Sign Up' form is centered on the page. It features a title 'Sign Up' in bold black text. Below the title are four input fields: 'Username', 'Email', 'Password', and 'Confirm Password'. Under the 'Confirm Password' field, there is a checkbox labeled 'I agree to Portal's Terms of Service and Privacy Policy.'. A green button labeled 'Sign Up' is positioned below these fields. At the bottom of the form, there is a link 'Already have an account? Log in now.'.

Sign Up

Username

Email

Password

Confirm Password

☐ I agree to Portal's [Terms of Service](#) and [Privacy Policy](#).

Sign Up

Already have an account? [Log in now.](#)

Figure-5.4: Sign up

This is user dashboard. When user create a profile that will be looking like this.

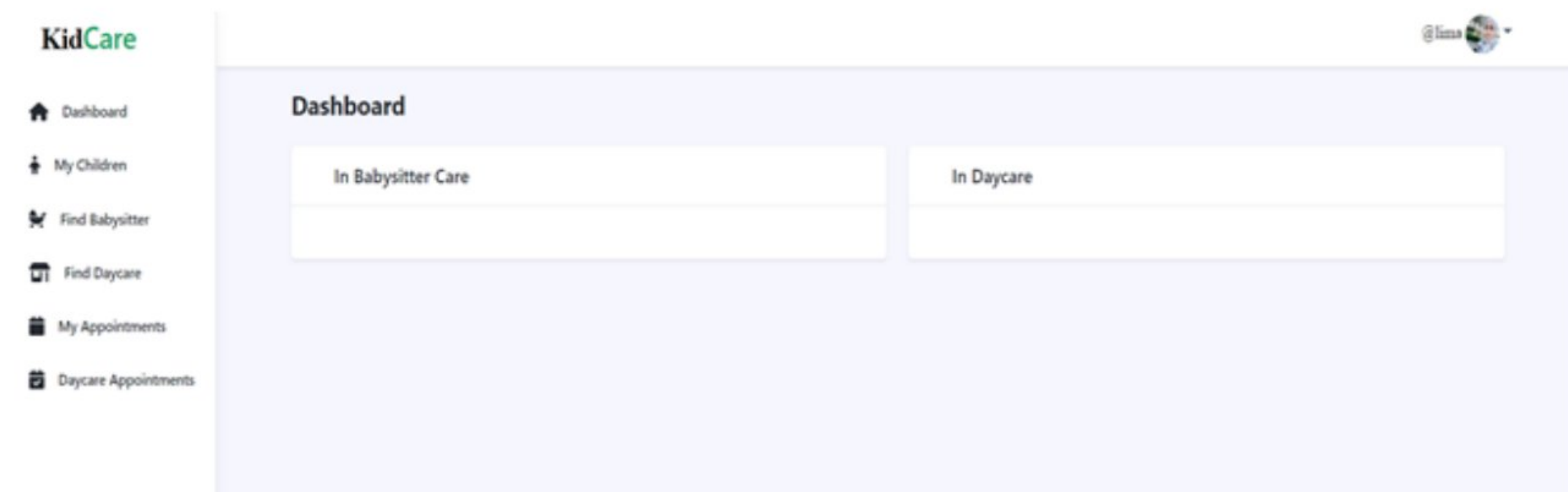


Figure-5.5: User Dashboard

User can edit their profile when user sign up their account, they can create profile by themselves.

The image displays a user profile editing form. The left column, titled 'My Profile', features a circular profile picture of a woman wearing a hijab. Below the image is a 'Profile Image' section with a 'Choose File' button (showing 'No file chosen') and a green 'Update Image' button. The right column, titled 'Personal Information', contains several input fields: 'First Name' (filled with 'Mahfuza'), 'Last Name' (filled with 'Lima'), 'Date of Birth' (filled with '08/02/2022' and a calendar icon), 'Contact' (filled with '2345678911'), 'Gender' (filled with 'Female'), 'Email' (filled with 'lima@gmail.com'), 'Address' (filled with 'mohammadpur'), 'City' (filled with 'Dhaka'), and 'Zip' (filled with '1207'). A green 'Update' button is located at the bottom right of the form.

Figure-5.6: User profile

When user create profile, they can add their baby's picture and information.

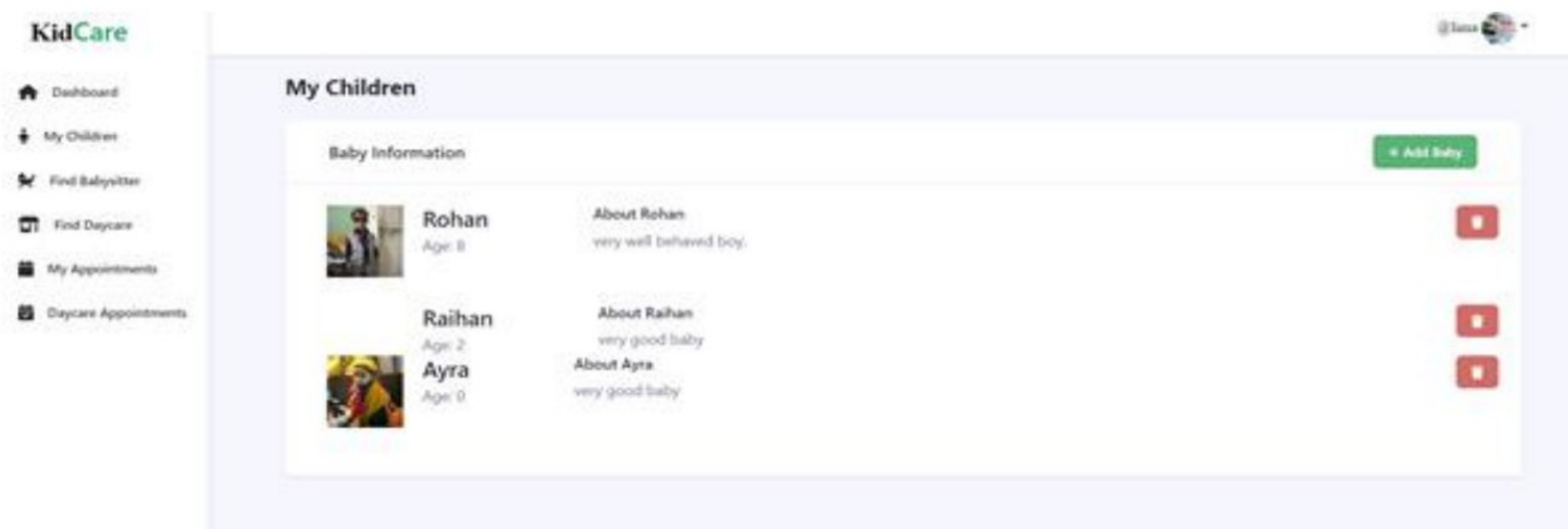


Figure-5.7: User add children

Also, user can see babysitter and also user can hire babysitter to check their rating and experience.

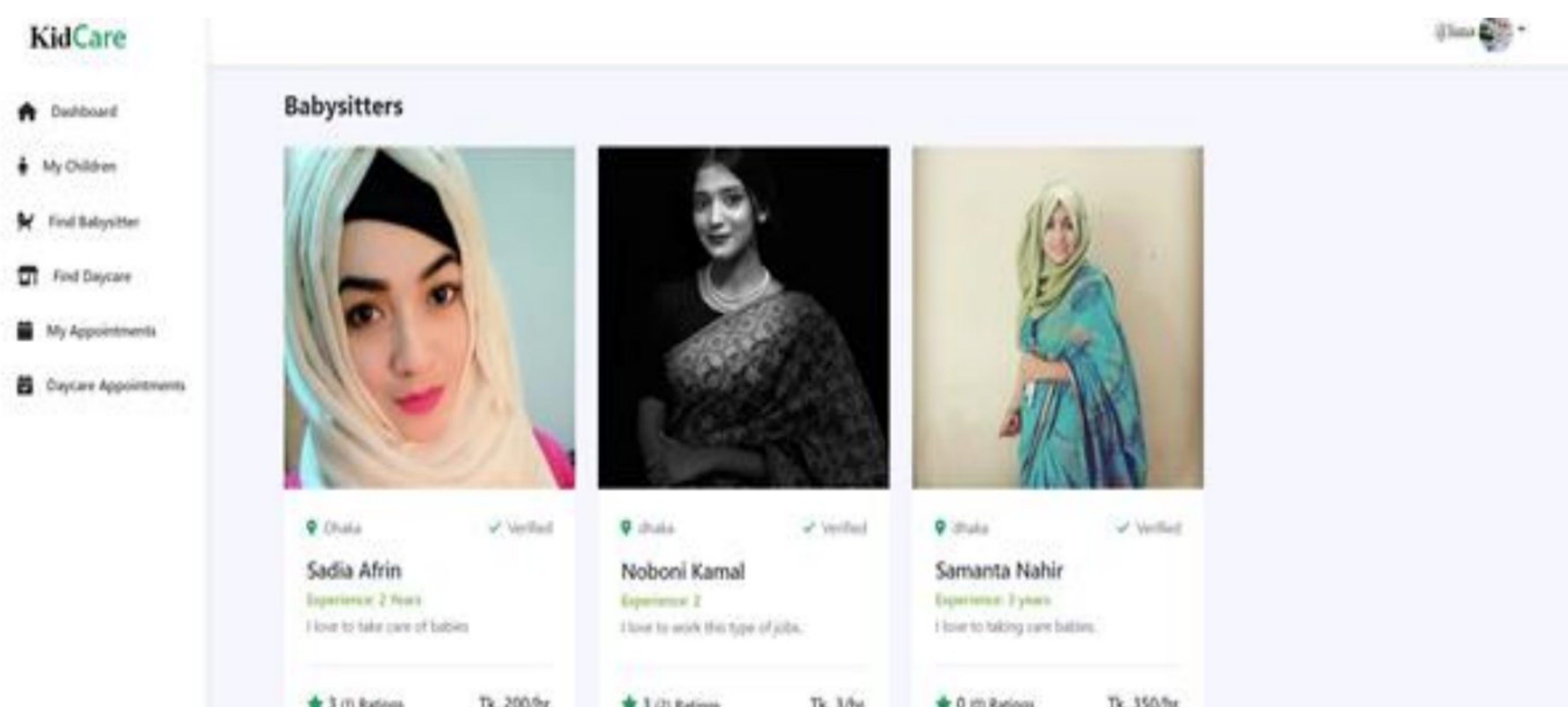


Figure-5.8: Find Babysitters

User can choose daycare from our website and book a daycare for their baby.

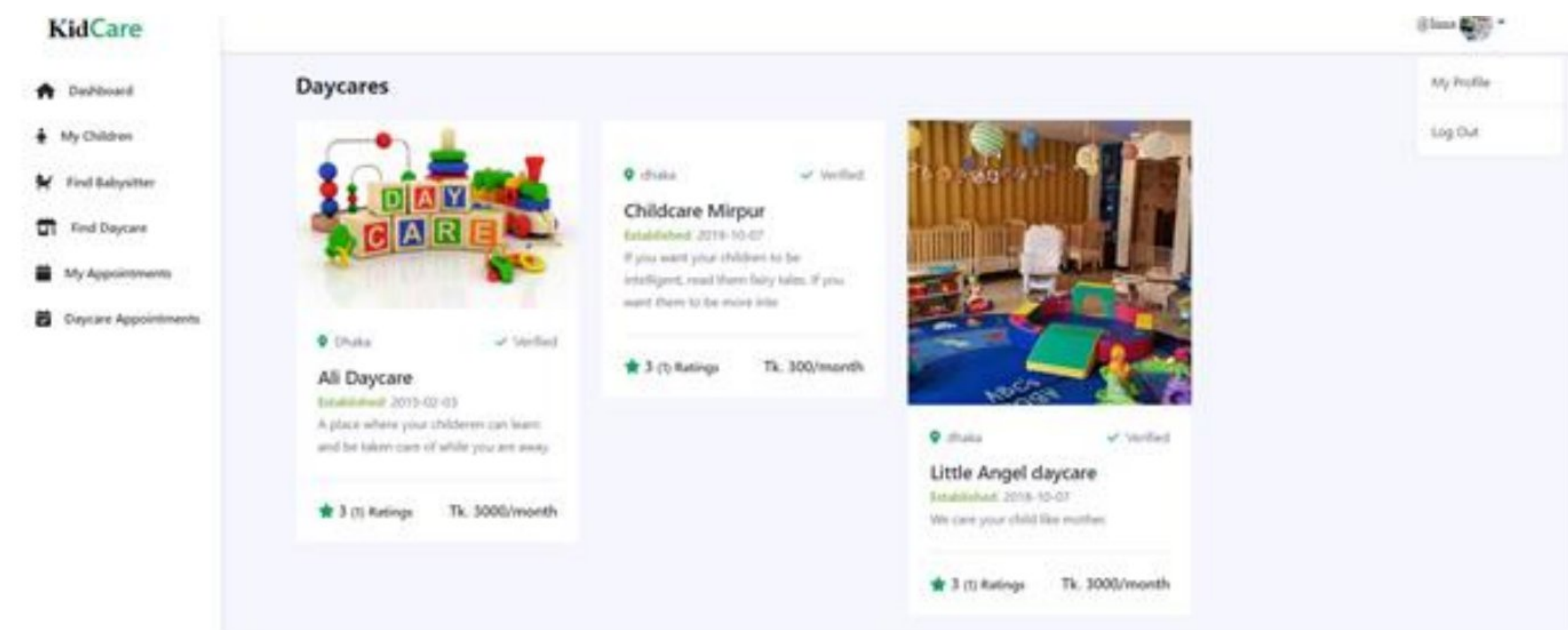


Figure-5.9: Find Daycare

When user hire baby they will see their appointments done.



Figure-5.10: User Babysitters Appointments

Similarly select and daycare also and then daycare appointments successfully done.

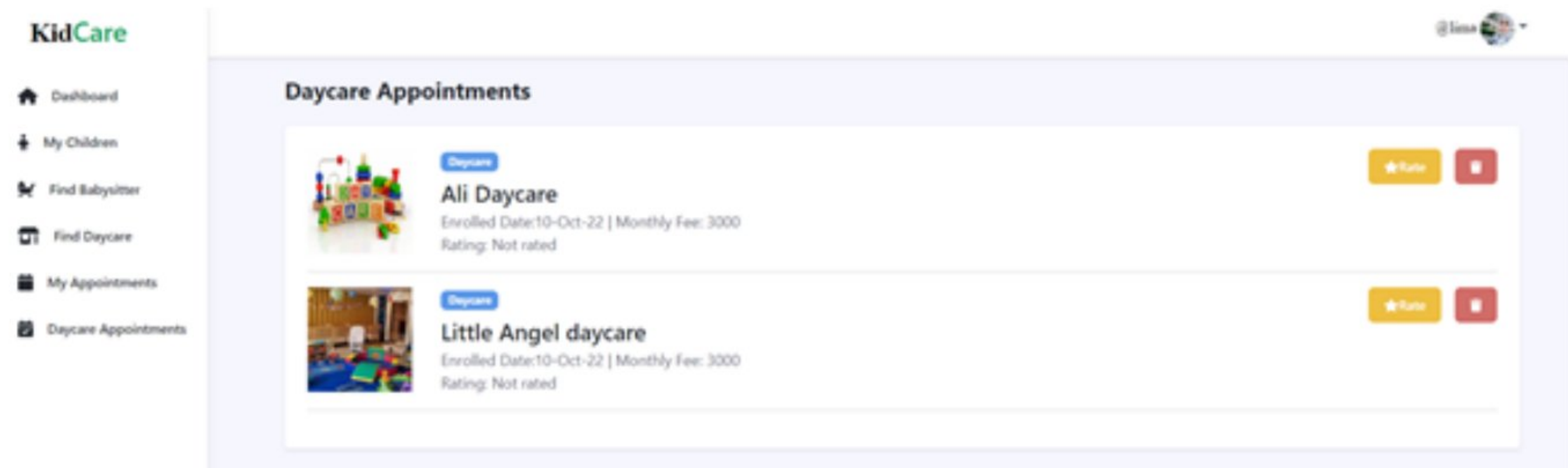


Figure-5.11: User Daycare Appointments

This is the babysitter's profile. when babysitter sign up her profile she can create and give all information to the website.

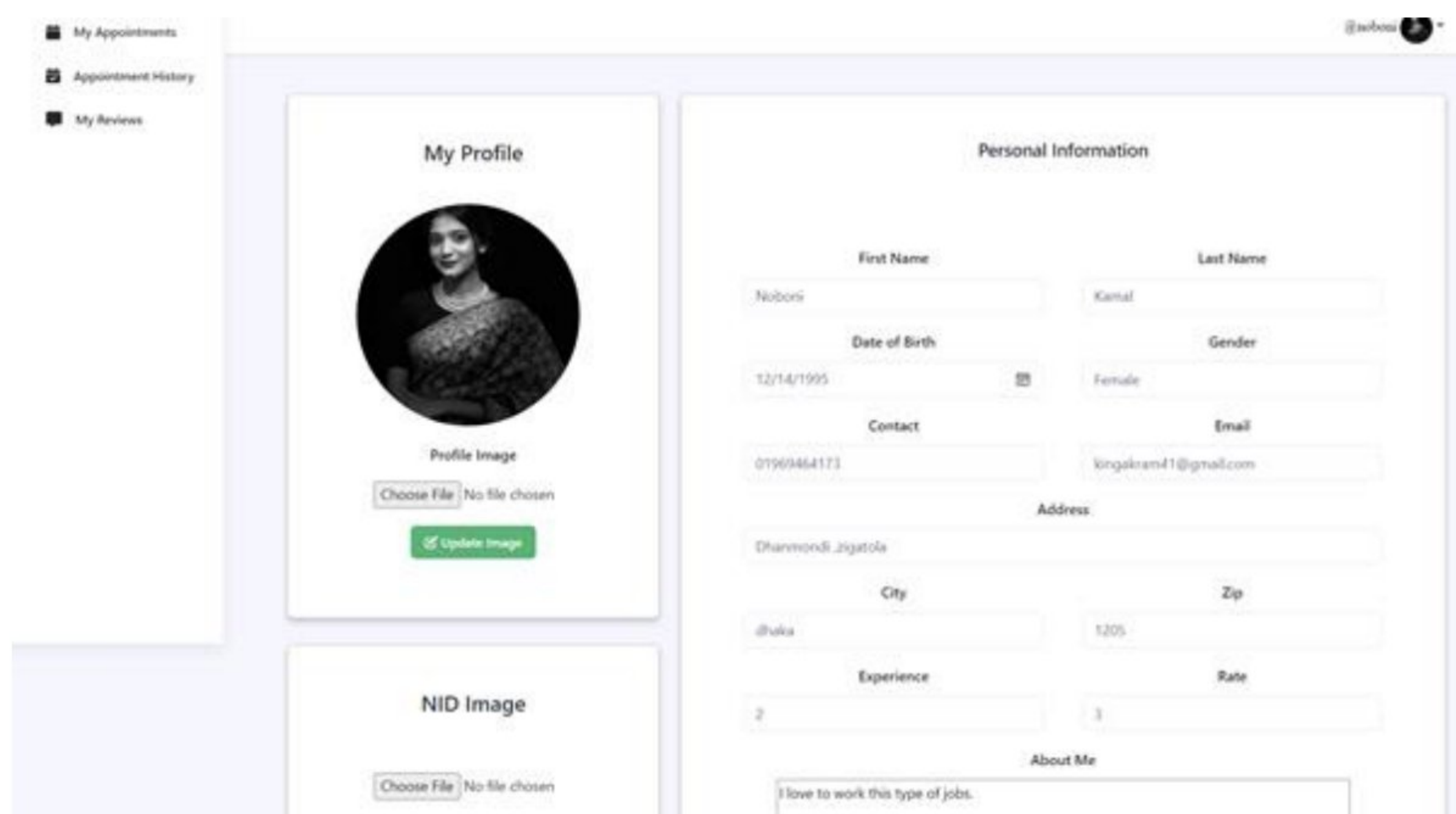


Figure-5.12: Babysitter profile

This is the admin dashboard. Admin has all access to fine anyone information and admin can verify all babysitters profile.

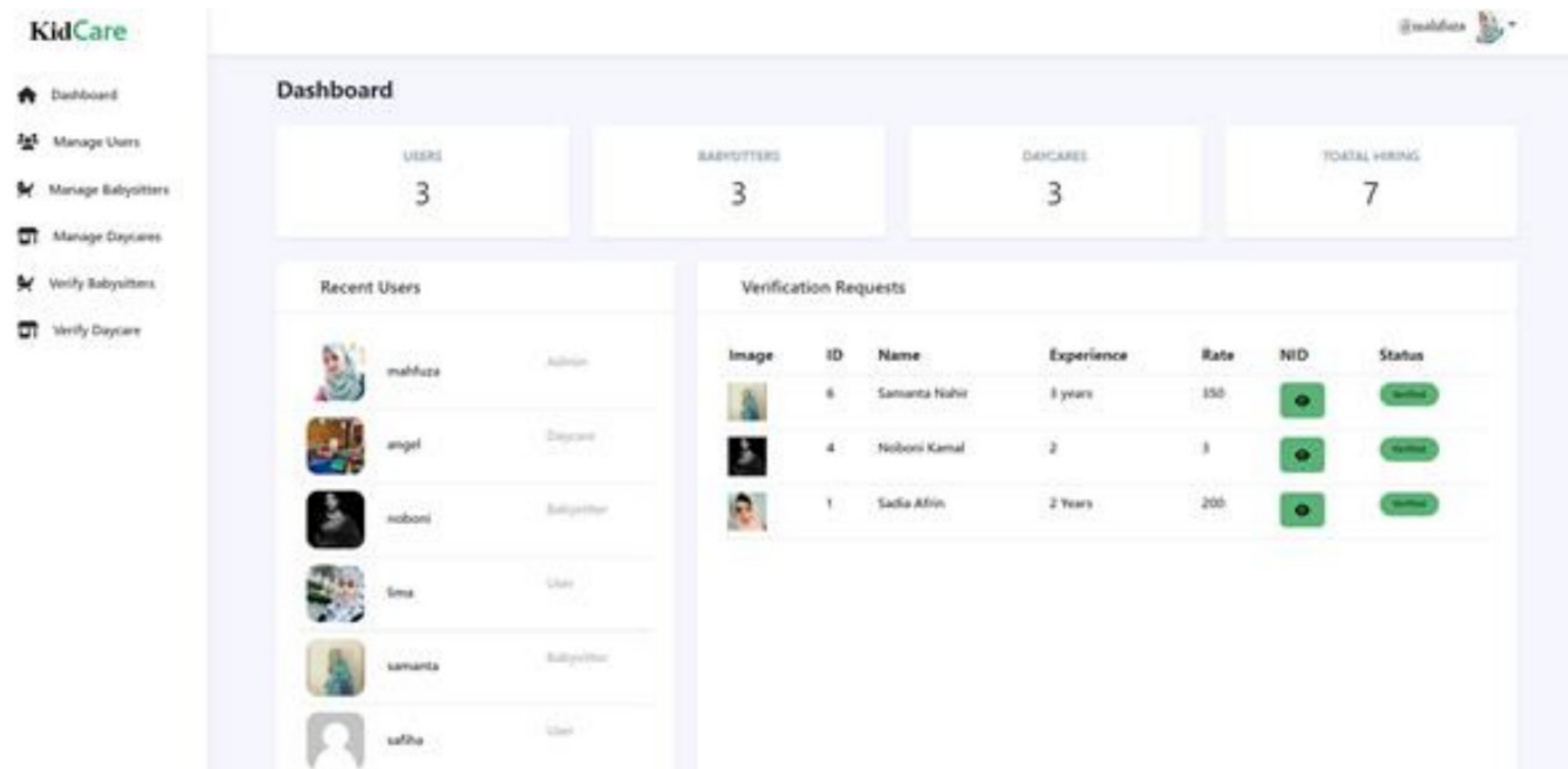


Figure-5.13: Admin Dashboard

Also admin can manage users, admin add and delete users.

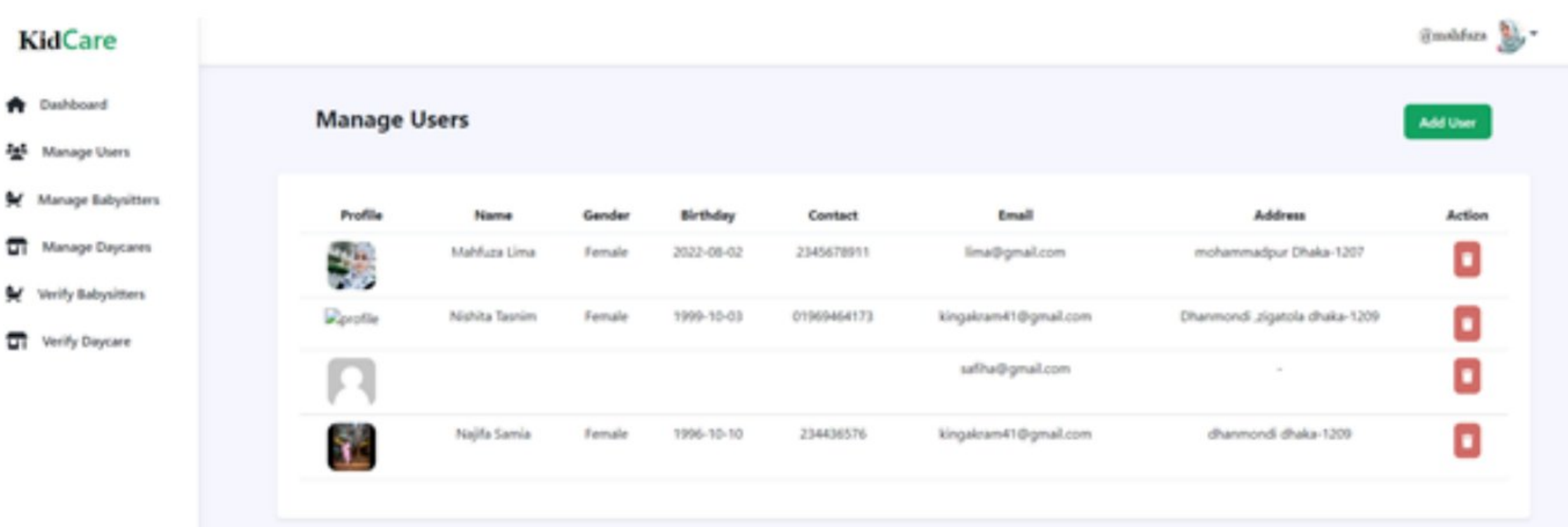


Figure-5.14: Manage Users

Also, Admin can manage babysitters' profile also, admin can add and delete babysitters.

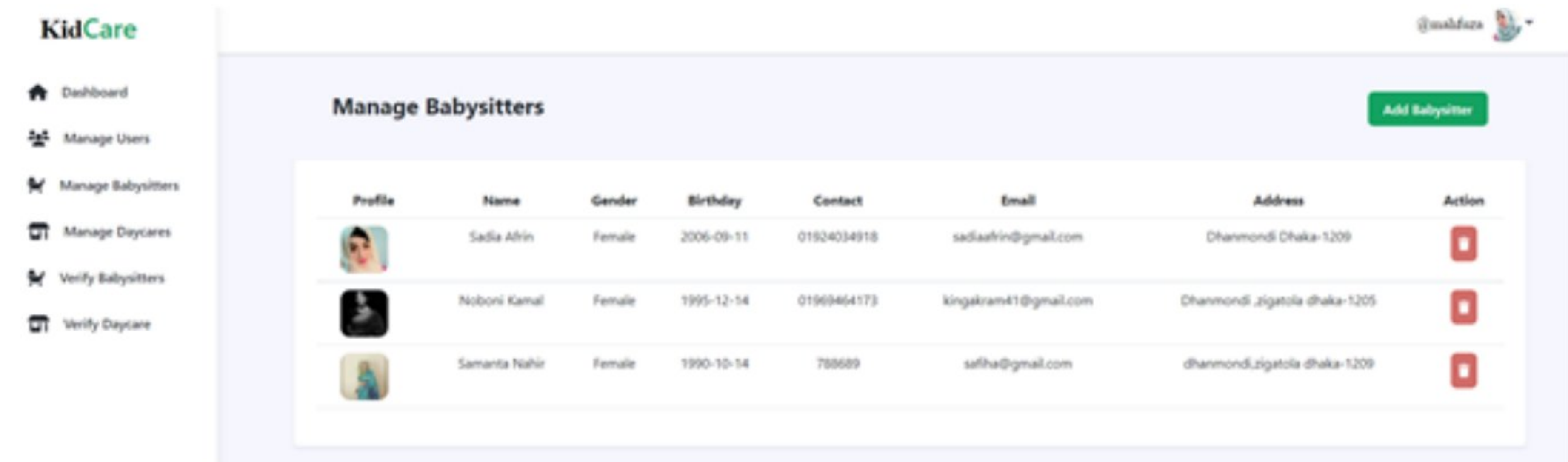


Figure-5.15: Manage Babysitters

Similarly, admin can manage daycare and add and delete daycare.

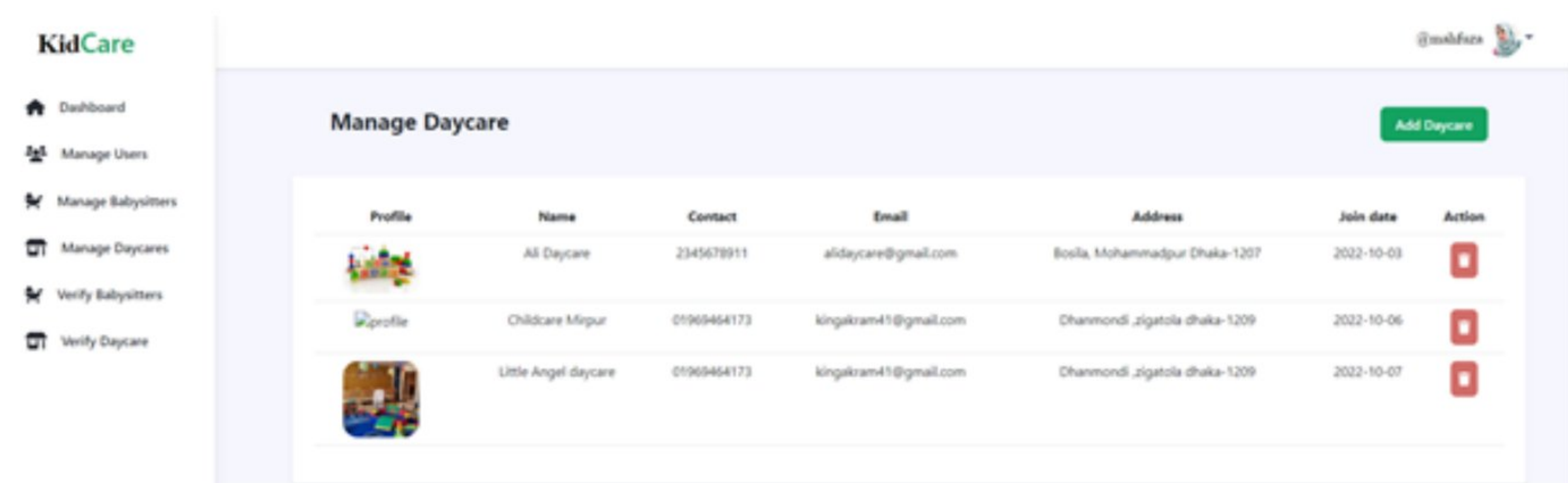


Figure-5.16: Manage Daycare

This is the daycare care profile, when a daycare creates their own profile, they also need trade license to create a profile.

KidCare

Dashboard
My Appointments
Appointment History
My Reviews

My Profile

Profile Image
Choose File | No file chosen
Update Image

Trade Licence Image
Choose File | No file chosen
Add Image

Personal Information

Daycare Name
Little Angel daycare

Established
10/07/2018

Rate
3000

Contact
01969464173

Email
kingakaren41@gmail.com

Address
Dhanmondi, zigatola

City
dhaka

Zip
1209

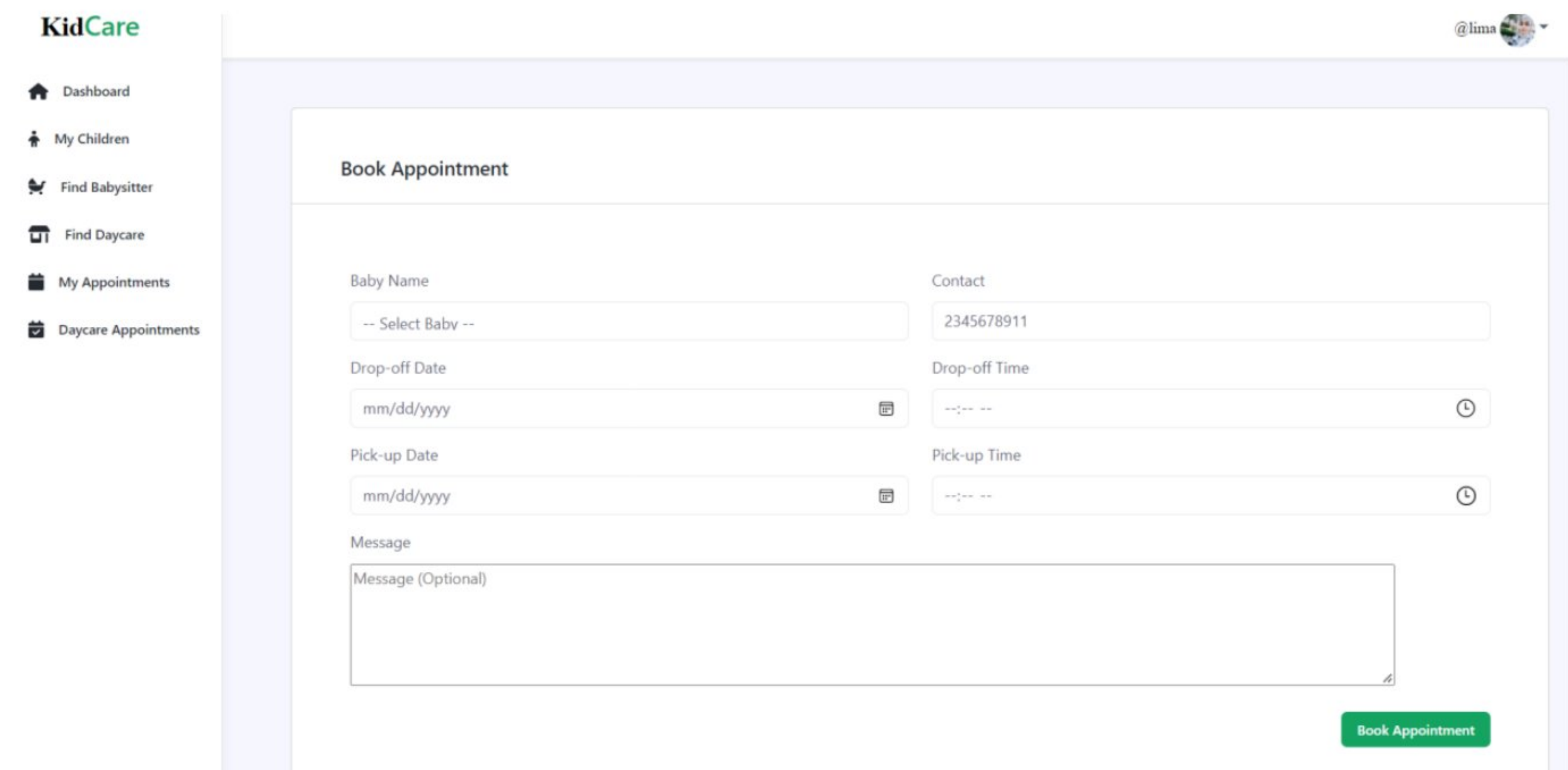
Dropoff Time
09:35 AM

Pickup Time
01:00 PM

About Daycare
We care your child like mother.

Figure-5.17: Daycare Profile

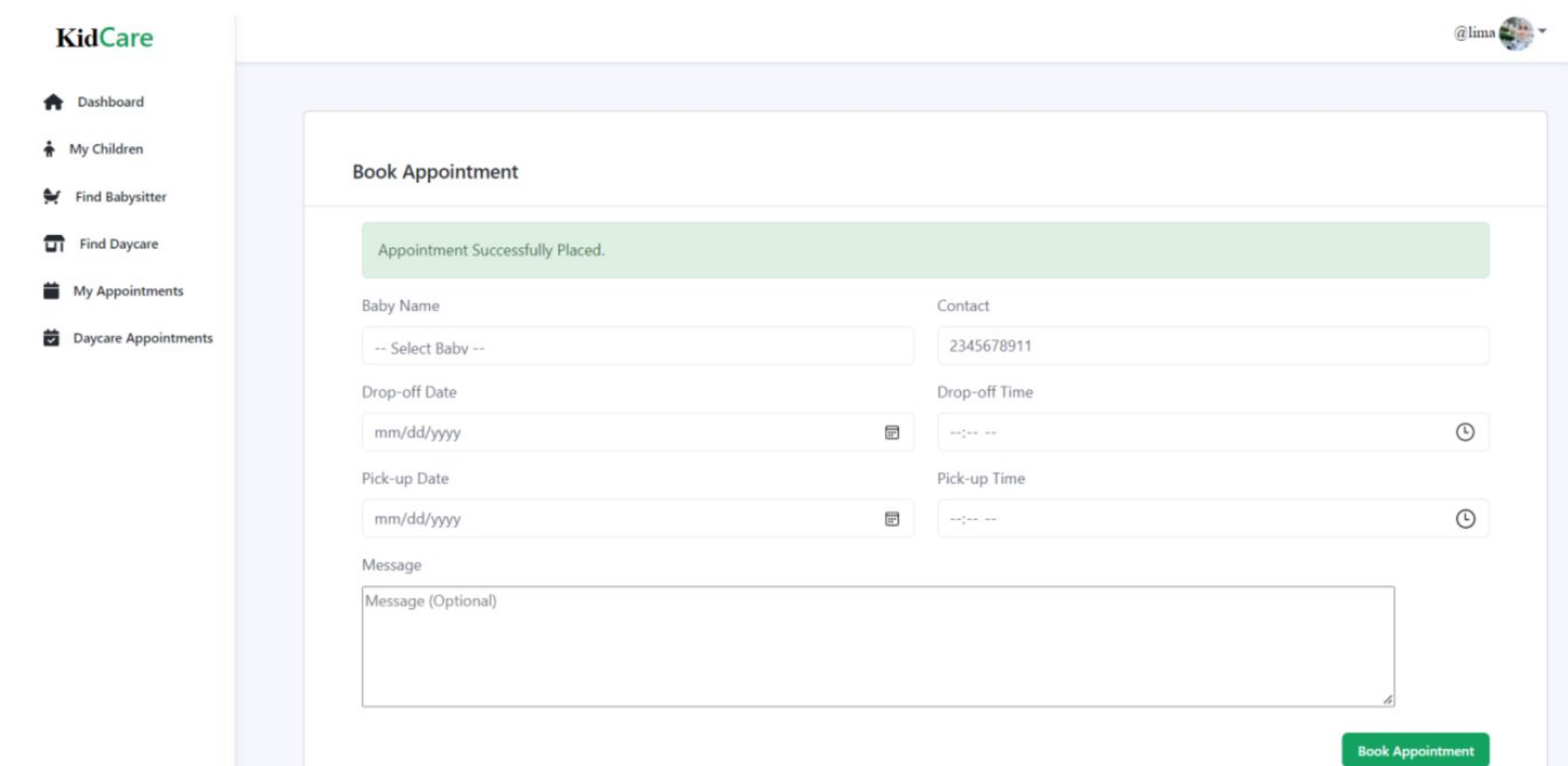
User can appoint daycare if user want.



The screenshot shows the 'Book Appointment' form in the KidCare application. The form is located in the main content area, with a sidebar on the left containing navigation links: Dashboard, My Children, Find Babysitter, Find Daycare, My Appointments, and Daycare Appointments. The form itself has a title 'Book Appointment' and contains several input fields: 'Baby Name' (a dropdown menu with '-- Select Baby --'), 'Contact' (a text field with '2345678911'), 'Drop-off Date' (a date picker with 'mm/dd/yyyy'), 'Drop-off Time' (a time picker with '--:-- --'), 'Pick-up Date' (a date picker with 'mm/dd/yyyy'), and 'Pick-up Time' (a time picker with '--:-- --'). There is also a 'Message' section with a text area labeled 'Message (Optional)'. A green 'Book Appointment' button is located at the bottom right of the form.

Figure-5.18: User Book Appointment

When user gave everything properly then appointment successfully placed.



This screenshot shows the same 'Book Appointment' form as Figure 5.18, but with a green success message at the top: 'Appointment Successfully Placed.' The form fields are still visible, including 'Baby Name', 'Contact', 'Drop-off Date', 'Drop-off Time', 'Pick-up Date', 'Pick-up Time', and 'Message (Optional)'. The 'Book Appointment' button remains at the bottom right.

Figure-5.19: Appointment Successfully Done

When user dropped off baby to babysitter, user view their babysitter appointments.

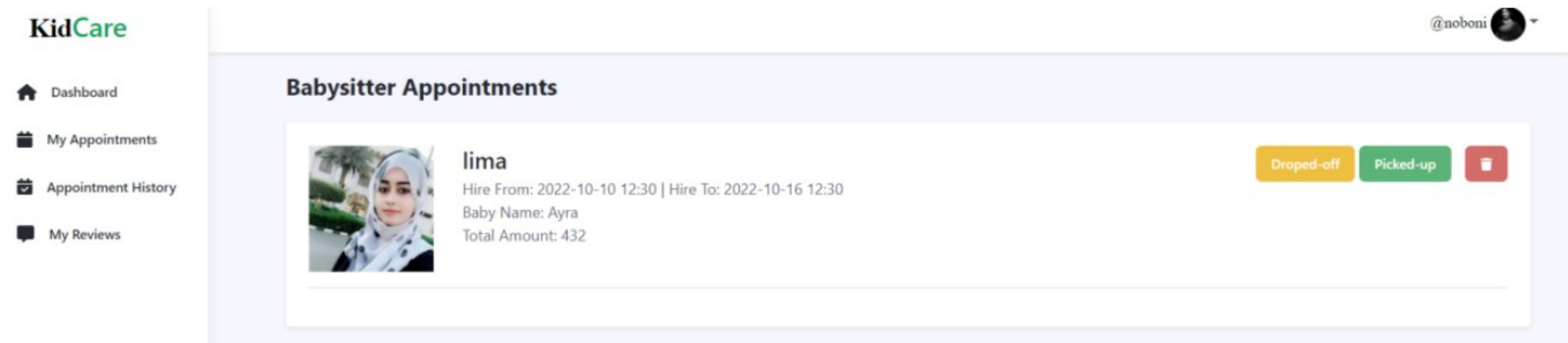


Figure-5.20: Babysitter pick baby

When babysitter pick baby, she has to show the baby whereabouts button. What users baby doing is he/she playing/eating user can see that.

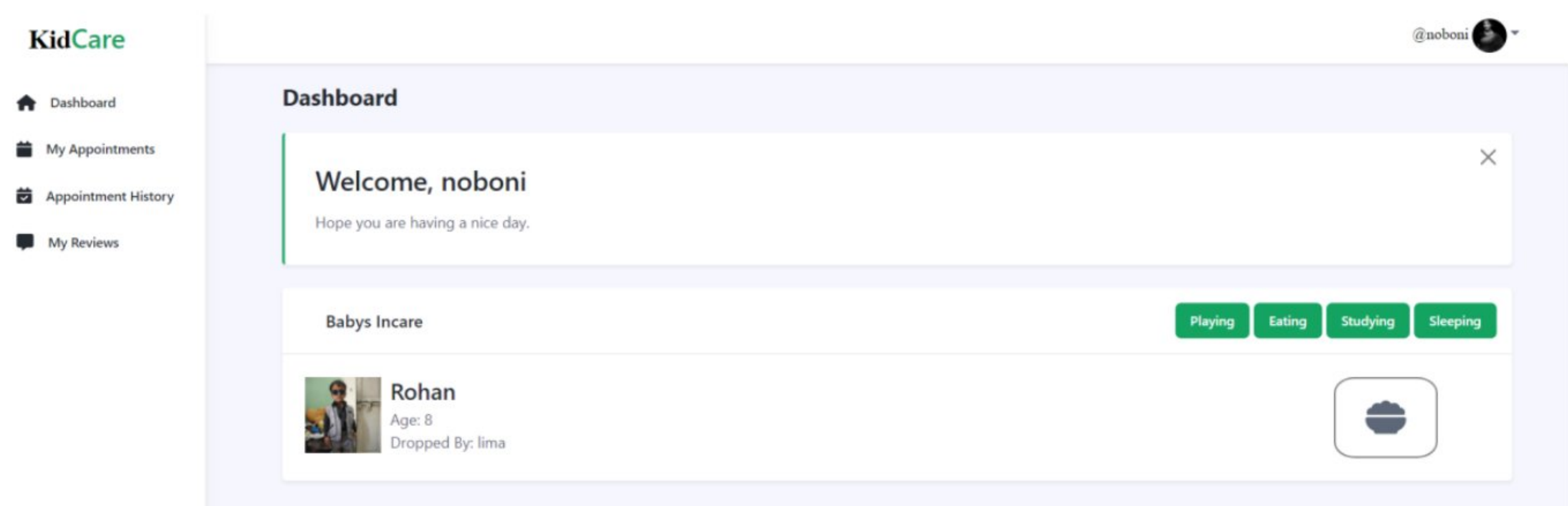


Figure-5.21: Baby whereabouts

This is babysitter appointment history. User will be rate them if babysitter work properly.

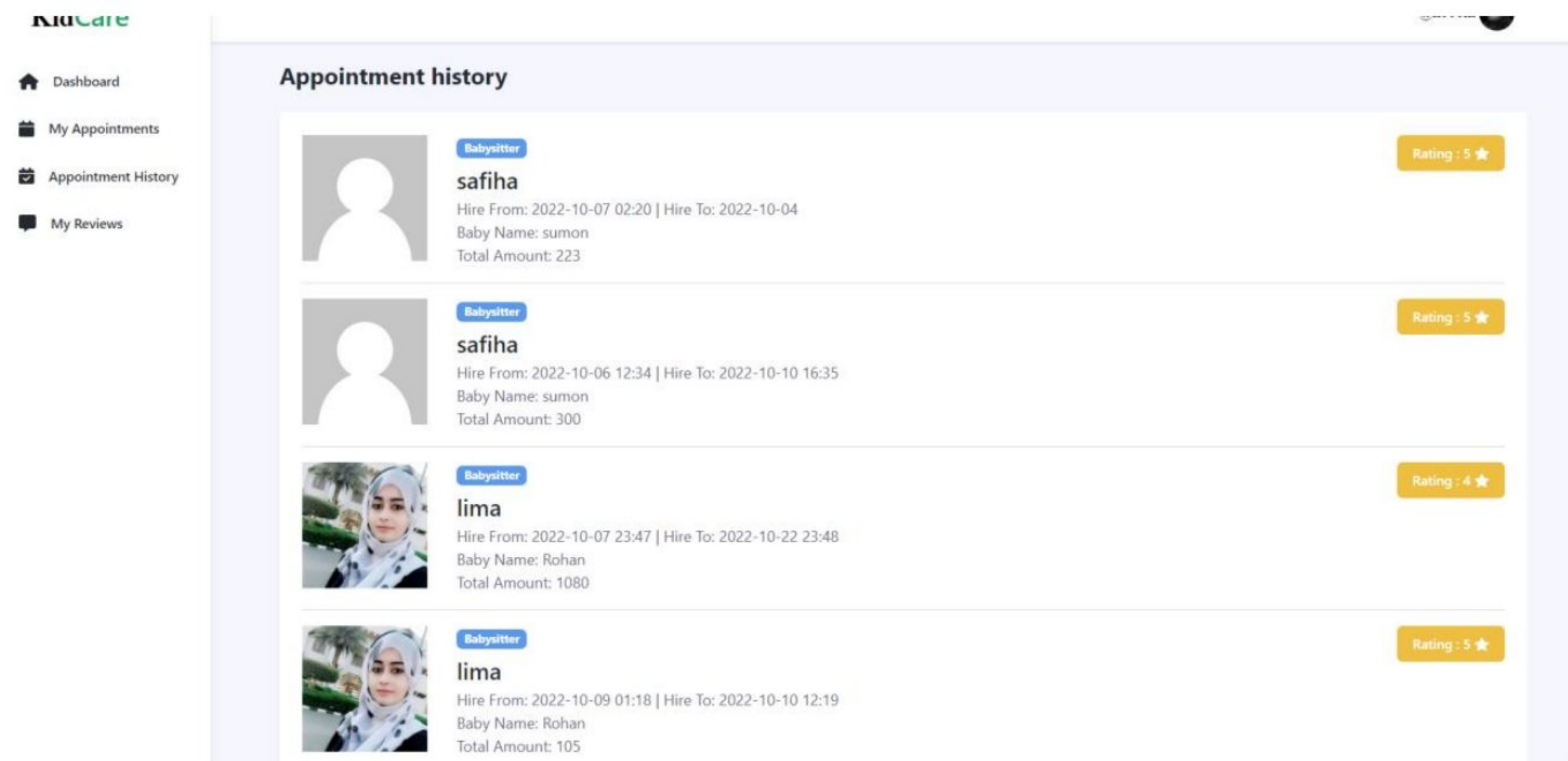


Figure-5.22: Babysitters Appointment history

This is babysitter's client review.

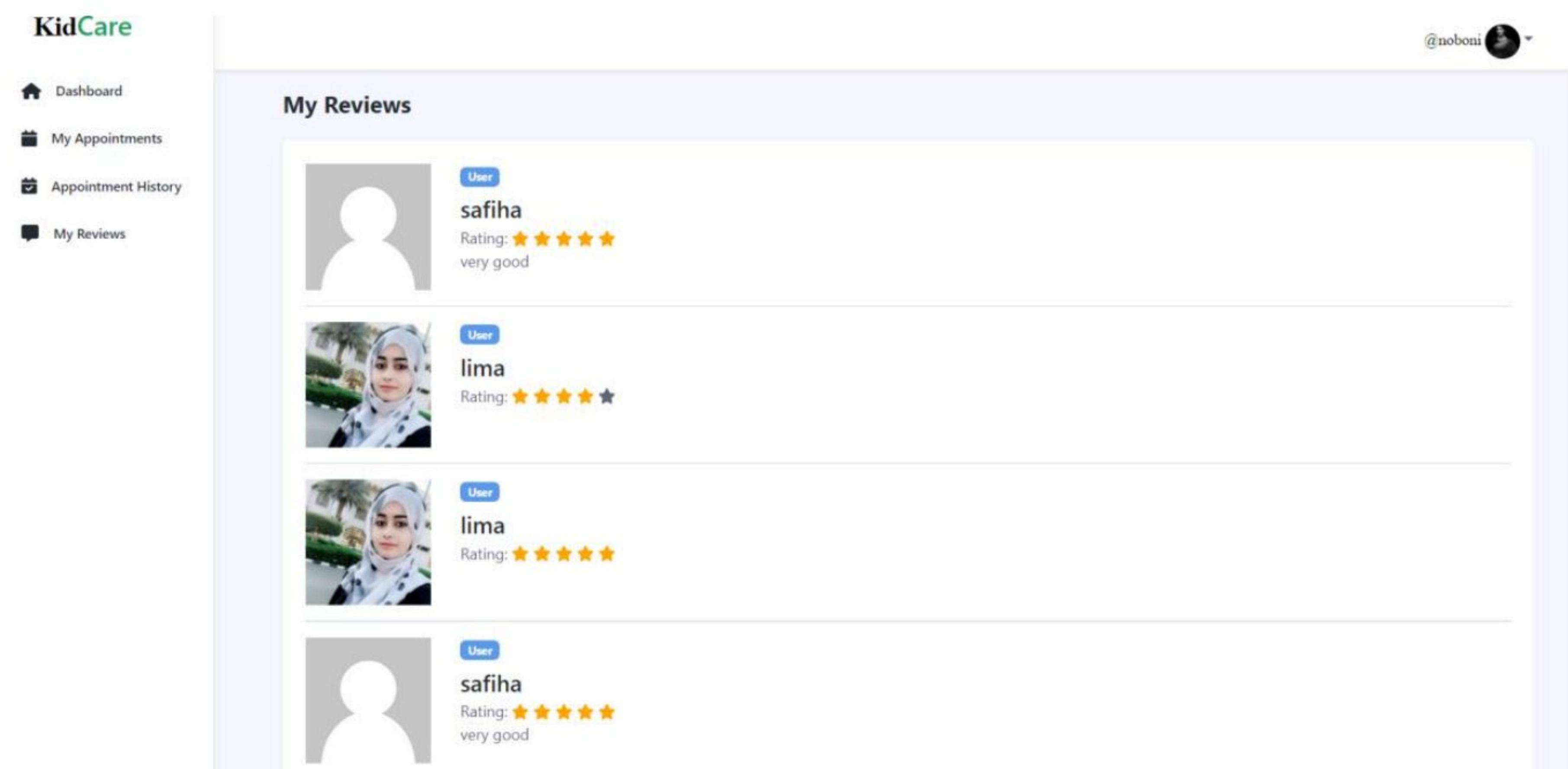


Figure-5.23: Babysitters clients reviews

Similarly, this is the daycare appointment history. Daycare will be able to rate their services.

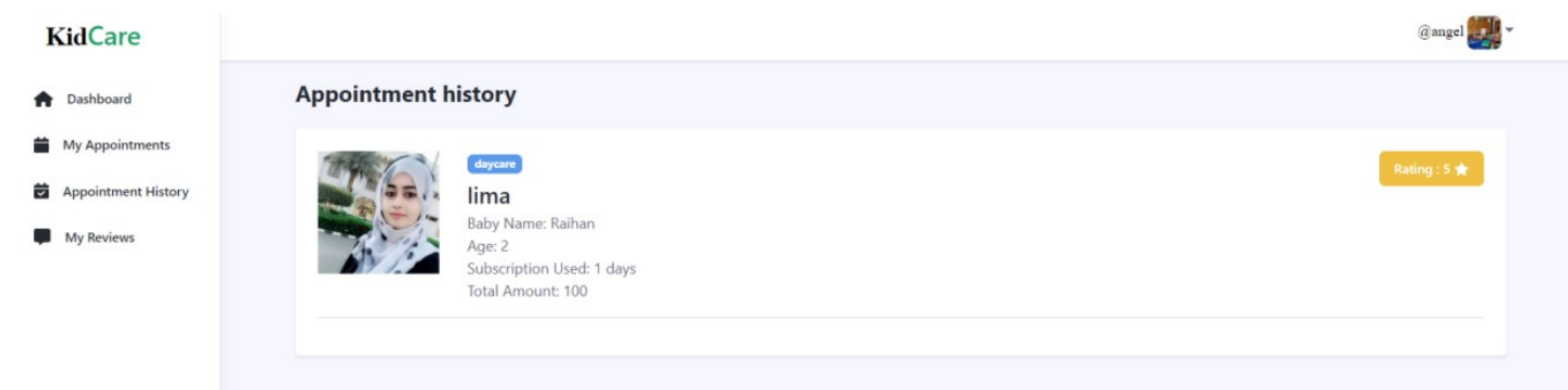


Figure-5.24: Daycare Appointment history

5.3 Testing Implementation

As the first step in the process of developing software, it is important to identify test cases. A test case is a set of conditions or variables under which a tester will determine whether an application, software system, or component is working as expected or not. The identification of test cases can be a difficult and time-consuming task, but it is a necessary step in order to create an effective testing strategy. There are a few different ways to approach the task of identifying test cases. One way is to start with the requirements of the software and then work backwards to identify the conditions that need to be tested. Another way is to start with the functionality of the software and then identify the different inputs and outputs that need to be tested. [9]

Test Case Identifier: TC-1

Pass Criteria: The test will pass if the user can successfully register for the system. The test will fail if there is a connection problem to the database.

Input Data: signup Information

Test Case Identifier: TC-2

Pass Criteria: The test will pass if the user can successfully log into the system. The test will fail if the user enters Invalid Input.

Input Data: username, password

Test Case Identifier: TC-3

Pass Criteria: The users can view and update their Profile.

Requirement: The user has to be logged in.

Test Case Identifier: TC-4

Pass Criteria: The users can add or delete baby information.

Requirement: The user has to be logged in.

Test Case Identifier: TC-5

Pass Criteria: The users can view nearby babysitters.

Requirement: The user has to be logged in.

Test Case Identifier: TC-6

Pass Criteria: The users can view the babysitter's profile.

Requirement: The user has to be logged in.

Test Case Identifier: TC-7

Pass Criteria: The users can book an appointment with the babysitter.

Requirement: The user has to be logged in.

Test Case Identifier: TC-8

Pass: The user can view or delete the appointment from the user appointments page

Requirement: The user has to be logged in.

Test Case Identifier: TC-9

Pass: The babysitter can view or delete the appointment from the babysitter appointments page

Requirement: The user has to be logged in.

Test Case Identifier: TC-10

Pass Criteria: The babysitter can confirm dropoff and pickup and can update the baby's whereabouts

Requirement: The babysitter has to be logged in.

Test Case Identifier: TC-11

Pass Criteria: The user can rate the babysitter's service

Requirement: The user has to be logged in.

Test Case Identifier: TC-12

Pass Criteria: The users can book an appointment with the daycare.

Requirement: The user has to be logged in.

Test Case Identifier: TC-13

Pass Criteria: The user can view or delete the appointment from the user appointments page

Requirement: The user has to be logged in.

Test Case Identifier: TC-14

Pass Criteria: The daycare can view or delete the appointment from the daycare appointments page

Requirement: The user has to be logged in.

Test Case Identifier: TC-15

Pass Criteria: The daycare can confirm drop-off and pickup and can update the baby's whereabouts

Requirement: The daycare has to be logged in.

Test Case Identifier: TC-16

Pass Criteria: The user can rate the daycare's service

Requirement: The user has to be logged in.

Test Case Identifier: TC-17

Pass Criteria: The Admin can successfully view, add and delete the babysitter

Requirement: The admin has to be logged in.

Input Data: babysitter Information

Test Case Identifier: TC-18

Pass/Fail Criteria: The Admin can successfully view, add and delete the daycare

Requirement: The admin has to be logged in.

Input Data: daycare Information

Test Case Identifier: TC-19

Pass Criteria: The Admin can successfully view, add and delete the user's

Requirement: The admin has to be logged in.

Input Data: User Information

Test Case Identifier: TC-20

Pass Criteria: The Admin can successfully verify fosters and daycare

Requirement: The admin has to be logged in.

Input Data: User Information

5.4 Test Results and Reports

System testing is a type of software testing that verifies the correctness of a system. A system can be a standalone software application, a hardware device, or a combination of both. A system testing test report is a document that describes the results of a system testing effort. A system testing test report should include a description of the system under test, the test environment, the test cases that were executed, the test results, and the conclusions. The report should also identify any defects that were found and their severity. System testing is an important step in the software development process and should not be skipped. A well-written system testing test report can be a valuable tool in debugging and troubleshooting a system. [10]

Table 5.1 Test Reports

Test Case Identifier: TC-1	
Test Procedure:	Test Result:
Step 1: The user enters their name, username, email, and password and signs up.	Successful
Test Case Identifier: TC-2	
Test Procedure:	Test Result:
Step 1: The user enters their registered username and password and clicks login.	Successful
Test Case Identifier: TC-3	
Test Procedure:	Test Result:
The user changes the personal information and presses update.	Successful
The user changes their profile picture and presses update.	Successful
Test Case Identifier: TC-4	

Test Procedure:	Test Result:
The user adds baby information and presses add to baby.	Successful
The users delete previously added baby information	Successful
Test Case Identifier: TC-5, TC-6	
Test Procedure:	Test Result:
The user views all the babysitters in the system	Successful
The users clicks on the view profile option	Successful
Test Case Identifier: TC-7, TC-8	
Test Procedure:	Test Result:
The user book appointment with the babysitter	Successful
The appointment shows in my appointments	Successful
The user can delete cooked appointment with the babysitter	Successful
Test Case Identifier: TC-9, TC-10	
Test Procedure:	Test Result:

The babysitter can view or delete the appointment from the babysitter appointments page	Successful
The babysitter can confirm drop-off and pickup and can update the baby's whereabouts	Successful
Test Case Identifier: TC-11	
Test Procedure:	Test Result:
The user can rate the babysitter's service	Successful
Test Case Identifier: TC-12, TC-13	
Test Procedure:	Test Result:
The user views all the daycares in the system	Successful
The users click on the view profile option	Successful
Test Case Identifier: TC-14	
Test Procedure:	Test Result:
The user book appointment with the daycares	Successful
The appointment shows in my appointments	Successful

The user can delete booked appointment with the daycares	Successful
Test Case Identifier: TC-15	
Test Procedure:	Test Result:
The daycare can view or delete the appointment from the daycare appointments page	Successful
The daycare can confirm drop-off and pickup and can update the baby's whereabouts	Successful
Test Case Identifier: TC-16	
Test Procedure:	Test Result:
The user can rate the babysitter's service	Successful
Test Case Identifier: TC-17	
Test Procedure:	Test Result:
The admin can view all the babysitters	Successful
The admin can add babysitter	Successful

The admin can delete babysitter	Successful
Test Case Identifier: TC-18	
Test Procedure:	Test Result:
The admin can view all the daycare	Successful
The admin can add daycare	Successful
The admin can delete daycare	Successful
Test Case Identifier: TC-19	
Test Procedure:	Test Result:
The admin can view all the users	Successful
The admin can add users	Successful
The admin can delete users	Successful
Test Case Identifier: TC-20	
Test Procedure:	Test Result:

The admin can view babysitter NID info	Successful
The admin can verify babysitter	Successful
The admin can view trade license info	Successful
The admin can verify daycare	Successful

CHAPTER 6

IMPACT ON SOCIETY, ENVIRONMENT, AND SUSTAINABILITY

6.1 Impact on Society

In Bangladesh, women are not always given the same opportunities as men. In a country like this, a website like KidCare will make a significant impact by providing a safe and reliable platform for working women to find work as babysitters and daycare providers. KidCare will help to empower women and give them a chance to earn a living. Not only will KidCare make it easier for women to find work and help create better childcare options for families in Bangladesh. With more and more women and grannies signing up to be babysitters and daycare providers through the website, families can choose from a larger pool of qualified caregivers. This makes a big difference in the quality of childcare that families can access, ultimately leading to better outcomes for children. While KidCare is still a relatively new website, it is already positively impacting society. As it grows, it will undoubtedly have an even more significant impact on the lives of women and families in Bangladesh.

6.2 Impact on Environment

KidCare is a Bangladesh-based babysitter and daycare hiring website that is having a positive impact on the environment. The website will help connect families needing child care with qualified caregivers. It will help reduce the family's carbon footprint by eliminating the need to drive to a daycare center. Another way that KidCare will have a positive impact on the environment is by helping to reduce the amount of paper waste. Babysitters and daycares now do not have to print hundreds and thousands of pamphlets. They can create their profile on the website, and they will get jobs. In addition, KidCare will be helping to create green jobs in the childcare industry. Overall, KidCare is having a positive impact on the environment. The website is helping to reduce the carbon footprint of families, reduce paper waste, and create green jobs in the childcare industry.

6.3 Ethical Aspects

In Bangladesh, it is estimated that only 26 percent of children between the ages of 3 and 5 receive early childhood care and education (ECCE) services. Most Bangladeshi children (74

percent) are cared for at home by family members, most often their mothers. However, with more women joining the workforce, there is an increasing demand for formal child care services. KidCare is a Bangladesh-based babysitting and daycare hiring website that connects families with caregivers. KidCare is committed to providing families with safe, reliable, affordable child care options. All of the caregivers listed on KidCare have been background-checked and screened. Families can search for caregivers by location, availability, and rate. KidCare also offers a messaging system so that families can communicate with caregivers before making a hiring decision. The safety and well-being of children are KidCare's top priority. We believe all children deserve to be loved, nurtured, and respected.

6.4 Sustainability Plan

KidCare is a Bangladesh-based babysitter and daycare hiring website. Our mission is to make childcare more affordable and accessible for families in Bangladesh. We believe that every family should have quality childcare. To achieve our goal, we have created a sustainable business model that will allow us to continue operating our business while positively impacting the communities we serve.

1. We will invest in energy-efficient technologies and practices to minimize our environmental impact.
2. We will partner with local organizations to provide subsidized childcare services to low-income families.
3. We will use our platform to educate families about the importance of early childhood education and the benefits of investing in quality childcare.
4. We will advocate for policies that support affordable and accessible childcare for all families.
5. We will reinvest a portion of our profits into our community outreach and education programs.

By investing in KidCare, you are not only supporting a sustainable business but also helping to create a better future for the children of Bangladesh.

CHAPTER 7

CONCLUSION AND FUTURE SCOPE

7.1 Discussion and Conclusion

KidCare is a babysitter and daycare hiring website based in Bangladesh. It is a reliable and affordable option for parents looking for child care in the country. The website offers a wide range of services, including babysitting, daycare, and nanny services. KidCare is a trusted and safe website for parents to use. The website is easy to use and provides a wide range of options for parents to choose from. The website is also affordable, making it a great option for parents on a budget.

7.2 Scope for Further Developments

In the future, KidCare plans to expand its services to include a mobile app, online payments, and a loyalty program. The mobile app will allow parents to search for caregivers and view profiles, reviews, and background checks. Online payments will allow parents to pay for babysitting or daycare services directly through the website. The loyalty program will offer discounts and rewards for parents who use the website regularly.

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