

BABYSITTERS OF BANGLADESH

BY

KHAN MUSHFIQUR RAHMAN

ID: 161-15-7146

AND

FARIA ZAMAN DIPTY

ID: 161-15-6841

This Report Presented in Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science in Computer Science and Engineering

Supervised By

MD. RAKIB HASAN

Lecturer

Department of CSE

Daffodil International University



DAFFODIL INTERNATIONAL UNIVERSITY

DHAKA, BANGLADESH

DECEMBER, 2019

APPROVAL

This Project titled “BABYSITTERS OF BANGLADESH”, submitted by KHAN MUSHFIQUR RAHMAN ID No: 161-15-7146, FARIA ZAMAN DIPTY ID No: 161-15-6841 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 06-12-2019.

BOARD OF EXAMINERS



Dr. Syed Akhter Hossain
Professor and Head

Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

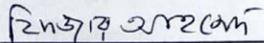
Chairman



Nazmun Nessa Moon
Assistant Professor

Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Internal Examiner



Dr. Fizar Ahmed
Assistant Professor

Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Internal Examiner



Dr. Md. Saddam Hossain
Assistant Professor

Department of Computer Science and Engineering
United International University

External Examiner

DECLARATION

We hereby declare that, this project has been done by us under the supervision of **MD. Rakib Hasan, Lecturer, Department of CSE Daffodil International University**. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

Supervised by:



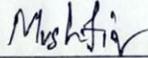
MD. Rakib Hasan
Lecturer
Department of CSE
Daffodil International University

Co-Supervised by:



Md. Jueal Mia
Lecturer
Department of CSE
Daffodil International University

Submitted by:



Khan Mushfiqur Rahman
ID: -161-15-7146
Department of CSE
Daffodil International University



Faria Zaman Dipty
ID: 161-15-6841
Department of CSE
Daffodil International University

ACKNOWLEDGEMENT

First we express our heartiest thanks and gratefulness to almighty God for His divine blessing makes us possible to complete the final year project/internship successfully.

We really grateful and wish our profound our indebtedness to **Md. Rakib Hasan, Lecturer**, Department of CSE Daffodil International University, Dhaka. Deep Knowledge & keen interest of our supervisor in the field of “Web” to carry out this project. His endless patience, scholarly guidance, continual encouragement, constant and energetic supervision, constructive criticism, valuable advice, reading many inferior draft and correcting them at all stage have made it possible to complete this project.

We would like to express our heartiest gratitude to **Dr. Syed Akhter Hossain, Professor and Head**, Department of CSE, for his kind help to finish our project and also to other faculty member and the staff of CSE department of Daffodil International University.

We would like to thank our entire course mate in Daffodil International University, who took part in this discuss while completing the course work.

Finally, we must acknowledge with due respect the constant support and patients of our parents.

ABSTRACT

“BABYSITTERS OF BANGLADESH” is a Web based project with a support of Laravel framework. This application helps users (parents) to find babysitters around them and (sitters) to able to be on a platform where they can be found easily to get a part time job. This project has simple interface that is very user friendly and effective to get the work done. This system can be used for the personal necessity and in future may be for commercial purpose. This system will help parents to save from much headache about their baby’s state and numerous people will be able to get part time job as a sitter. Also keeping in mind about safety for both parties, we have tried to keep the process very simple so that the security can be maintained easily. We tried our level best to make this system easy and simple as it can be possible. We believe in a future life, which encourages effortless and uncomplicated daily life solutions. That is the main reason we have come with the process of finding a babysitter, so with few steps anyone can hire the most trusted sitters by the local community. We believe our work will make a primary part of daily life easier and will give our customers the freedom to do more what makes them tension free and happy.

TABLE OF CONTENTS

CONTENTS	Page
Board of Examiners	ii
Declaration	iii
Acknowledgement	iv
Abstract	v

CHAPTER	Page No
CHAPTER 1: INTRODUCTION	1-3
1.1 Introduction	1
1.2 Motivation	1
1.3 Objective	2
1.4 Expected Outcome	2
1.5 Report Layout	3
CHAPTER 2: BACKGROUND	4-7
2.1 Introduction	4
2.2 Related Work	4
2.3 Comparative Studies	5
2.4 Scope of problems	6
2.5 Challenges	6
CHAPTER 3: REQUIREMENT SPECIFICATION	8-17
3.1 Introduction	8
3.2 General System Requirement of “Baby Sitter hire”	8
3.3 Flowchart & use case model	12
3.4 Logical data model	17
3.5 Design Requirement	17
CHAPTER 4: DESIGN SPECIFICATION	18-21
4.1 Front-end Design	18
4.2 Back-end Design	21
CHAPTER 5: IMPLEMENTATION AND TESTING	22-23
5.1 Interaction Design and UX	22
5.2 Implementation of Requirement	22
5.3 Implementation of Interaction	22
5.4 Testing Implementation	22
5.5 Test Result and Report	23

CHAPTER 6: CONCLUSION AND FUTURE SCOPE	24
6.1 Discussion and Conclusion	24
6.2 Scope for Further Development	24
REFERENCES	25

LIST OF FIGURES

FIGURES	PAGE NO
Figure 2.1: Sittercity Website	5
Figure 2.2: Babysits Website	5
Figure 3.1: MVC architecture pattern	11
Figure 3.2: Flowchart of Parents	13
Figure 3.3: Flowchart of Sitters	13
Figure 3.4: Use Case Model	14
Figure 3.5: Logical Data Model	17
Figure 4.1: Home Page	18
Figure 4.2: Parents registration Page	19
Figure 4.3: Sitter Registration Page	19
Figure 4.4: Local Guardian Registration Page	19
Figure 4.5: Login Page	20
Figure 4.6: Searching Page	20
Figure 4.7: Dealing Page	21
Figure 4.8: Database Table	21

LIST OF TABLES

TABLES	PAGE NO
Table 2.1: Comparison between related works	6
Table 3.1: Component included with Xampp	9
Table 3.2: Use Case Description of registration in website	14
Table 3.3: Use Case Description of Registration for sitters in website	15
Table 3.4: Use Case Description of login for both in website	15
Table 3.5: Use Case Description of Searching	16
Table 3.6: Use case Description of Dealing with Sitter	16
Table 5.1: Testing Table	22

CHAPTER 1

INTRODUCTION

1.1 Introduction

Modern technologies make our life easy and make us more organized. With online babysitting services, parents and sitters both can connect solely through a computer or mobile and have the work completed. Parents can initiate the work by sitting at home while looking at the monitor or screen and create a job offer that is then viewed by the sitters [1]. If parents are busy with their work, to balance everything they do need childcare that is reliable, trustworthy and available even at the last minute. That is the main reason we have come with the process of finding a babysitter, so with few steps anyone can hire the most trusted sitters by the local community. In modern time the central issue is that we do not converse with people we meet in our lives, which makes it difficult for parents and babysitters to find each other. We believe in a future life, which encourages effortless and uncomplicated daily life solutions. This belief has motivated us to create safe, affordable and easy childcare by designing a business platform that brings both parents and sitters together.

1.2 Motivation

The motivation of the project is that we want to digitalize our daily life as well as our country. We can help parents by creating the best search experiences and we can help babysitters by providing flexibility, freedom, opportunity. Our aim is to connect parents and babysitters, so childcare's supply and demand are most effectively matched. It is disappointing to not have someone who can babysit our children for free or in a short notice. Parents can tell sitters what to do and can get someone on the exact day at the they time they prefer. Furthermore, safety concerns which have motivated us to bring this platform for people of our country. Getting personal recommendation is the greatest way but is very time consuming. We have come up with an idea, which will be useful for both parties. Babysitters let us have our child being watched at home in familiar surroundings, which makes them feel more comfortable and lets them continue with their regular routines. Having an educated babysitter who can look after children with special needs or those that have a disability is a better option than depending on a maid [2]. Even if someone is at home

but ill can also get help from a babysitter while they rest and recover without having worries of their children becoming ill as well.

1.3 Objective

Our main objective is to supply babysitters who are going to make sure to keep your kids safe and watch them whenever needed. And this may have many benefits as well. Some benefits are obvious to us, while others are not that much. We let grow the relationship between parents with less tensions about their children because it is known that they are in safe hands. A trustworthy and reliable babysitter can give peace of mind which is very important for adults because the amount of the stress they go through every day. We want parents to know that their kids are being taken care of and will be okay when they come back from whichever work or activity they had to take care of. We want every children to get comfortable interacting with people outside of their limited boundaries and family and friends. A babysitter of a different age or religion helps children to be flexible with people. Babysitters can also help children to socialize with others and take them outside to spend time with them. Working parents often face the rush to get kids ready for their school, which can be easily solved by hiring babysitter [1]. One to one care is very important for certain kids which can be make sure by hiring babysitter. We want parents to be tension free with the home works of their kids which can be helped and get done by the babysitter. Security concerns is often heard from parents because they have to worry for their kids who are alone in home [2]. An extra pair of hands can be always useful in every aspect of parent's life. We believe our work will make a primary part of daily life easier and will give our customers the freedom to do more what makes them tension free and happy. Gaining all the necessary and extensive information and maintaining database of sitters and providing it to the parents is our main concern. Parents can get broad selection of sitters with all the information needed to choose their desired one. The application is designed to provide the most important frequently needed functions for hiring a babysitter so that the whole process can be done online anywhere anytime.

1.4 Expected Outcome

By using this web application the hassle of downloading mobile application is solved. People can access the site from anywhere without worrying about their phone's operating systems. It will be more timesaving than meeting a babysitter face to face. The user friendly interface will help every types of people to able to browse easily. It will ensure the safety of children because of the process called background check.

1.5 Report Layout

Chapter 1: Introduction

In this chapter, we have discussed the motivation, objectives and the expected outcome of the project.

Chapter 2: Background

We discuss the background circumstances and software details of our project. We also talk about the related work, comparative studies, scope of the problem and challenges of the project.

Chapter 3: Requirement Specification

This chapter is all about the requirements like the use case model of the project and their description, the logical relational database model, and the design requirements.

Chapter 4: Design Specification

In this chapter, we discussed all the designs of the project.

Chapter 5: Implementation and Testing

This chapter contains the implementation of the interaction design and UX, implementation of requirement, testing implementation and test results of the project.

Chapter 6: Conclusion and Future Scope

We discussed the conclusion and the scope for further developments.

CHAPTER 2

BACKGROUND

2.1 Introduction

In this section we have largely discussed about background analysis on babysitters, parents and their necessities. Few similar approaches to our goal also have been discussed in this chapter. To live in an advanced world in this contemporary era, we as a whole need to do all work in digitalized way. The primary goal of this website is, using this site parents is to provide safe and competent babysitting without feeling a need for substitute parents. No matter how painstaking the sitter, she or he will not care for the child in exactly the same way as a parent, and it is unreasonable to expect a carbon-copy parent. Once convinced the sitter is a decent and kind of deference, parents will allow the young person to be herself and to use her own judgments.

2.2 Some Other Projects Works

After finalizing to build this web application, we started looking through online but we could not find any website working for people who live in Bangladesh. However, in google, there are few comparative website present in the Europe, America. Searching comparative website, we have found out different types website like daycare, babysitter booked in many other countries. But in our country it's rare to find out similar website. Our main aim is to provide trustable sitter for working parents. In other sites, we have seen many kinds of field that are filliped by user. The way Bangladesh is developing day by day, it's not far away to become a developed country and for a developed country, parents do need baby caring services to obtain and retain their jobs. This industry can be a significant driver of our economy. Here we are listing few websites of babysitting services those we have found after researching.

➤ **Sittercity:**

This is a website for babysitting service from Chicago, USA. They have been in the industry over two decades almost.

Child care, simplified.

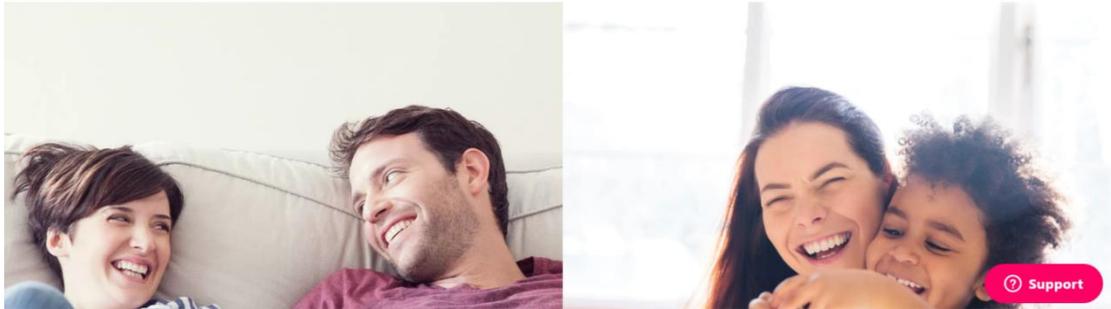


Figure 2.1: Sittercity Website

- **Babysits:**
This website is from Rotterdam, Netherlands and a well-known website across Europe.

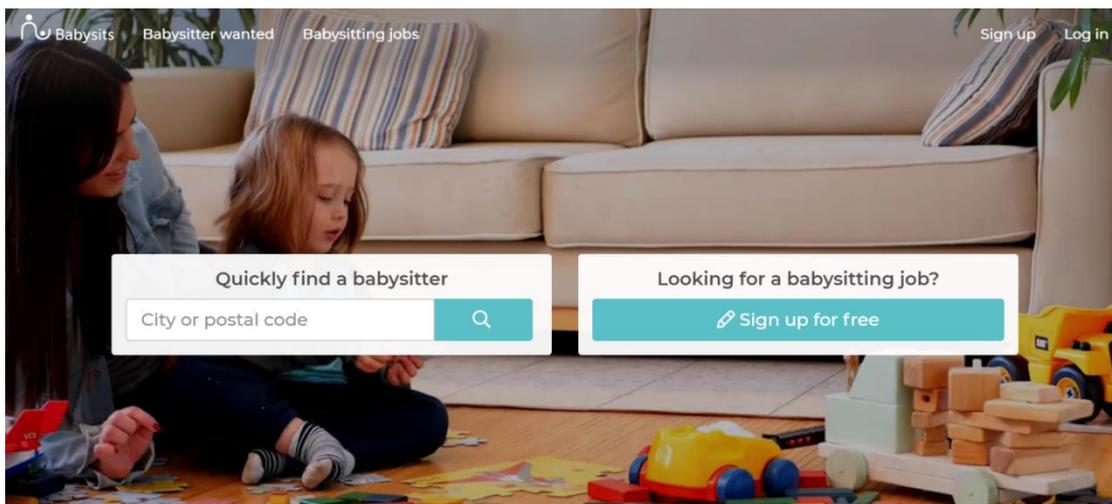


Figure 2.2: Babysits Website

2.3 Comparative Studies

Our implemented web application is utterly contrasting because it is still not existed in our country. So we have to build it according to our society which makes it completely unique from other existing websites around the internet. As we are very concerned about both parents and sitter's welfare, so have included "Local Guardian Information" as a background check which will satisfy the securities of both individual's. we have also included some features and functions which can be more

helpful for customers of different ages. Some differences between other websites and our web application are given below:

Table 2.1: Comparison between related works

Case	Babysits.com	Sittercity.com	Our project (Babysitters Bangladesh.com)
Registration	Yes	Yes	Yes
Login	Yes	Yes	Yes
Search sitters (public parents)	Yes	Yes	Yes
Private information about sitters (registered parents)	Hard to understand	User friendly	User friendly
Deal with sitter (registered parents)	Yes	Yes	Yes
Local-Guardian Information (Background check)	No	No	Yes

2.4 Scope of the problem

The extent of our venture is predominantly for the parents and the sitters. Parents choosing a sitter and that sitter is not available for that certain day. So schedule sometimes can be problematic. Preference of both individual can be different which can be also a matter of concern. Sometimes babysitters wouldn't be able to handle all the problems if parents are expecting that babysitters can solve everything which can create misunderstanding between both of them. When dealing with a preferred sitter, the parent may not be in the same opinion.

2.5 Challenges

The proposed website should have the following challenges to overcome the better service:

- To maintain simplicity
- To maintain openness

- To maintain the comfortable site
- To maintain well security
- To maintain provide be fond of sitters
- To identify real parents

CHAPTER 3

REQUIREMENTS AND SPECIFICATION

3.1 Introduction

Baby sitter hire is very well designed website that gives us different types data about parents and sitter, for working parents it is the easy way finding a trustable sitter for their baby. Along these lines, in this part of our report, we will go to talk about the specific needed for our undertaking.

3.2 General System Requirement of “Baby Sitter hire”

There are some requirements to construct our web based project. These requirement to fulfill in order to run our project. A general list of software component is given below to get an idea of what we used to build our project.

Software:

- Windows operating system(windows 10)
- XAMPP Control panel
- Sublime
- Browser(Firefox ,Chrome)

Programming language & Framework:

- PHP
- Html5 &CSS(front end)
- Laravel 5.5 (framework)

Software:

Windows operating system (windows 10): This operating system based on computer, tablets, many devices those are based on embedded devices and many other internet-based devices. Basically Microsoft windows 10 released on 10july in 2015 after liberated windows 8. Microsoft company has said it will modernize release a new, full developed operating system as a successor. There are many developed feature added in windows 10 [5]. Looking like very use to Easy start menu. Users can still turn Live Tiles from panel on right side of start menu. Users can search all local location using integrated search feature in windows 10. User can markup website, reading view using web notes. Windows 10 security is very strong. This operating system also

includes virtualization-based tools. Keep data secure from any kind of attack. Windows 10 minimum hardware require 2-in-1 device, there are processor, ram, hard disk space, graphics card, display (800x600). The minimum hardware requirement (windows10) for any kind of android device are 1GB RAM. Microsoft only can support clean install when upgrading to windows 10 from windows XP.

XAMPP Control panel:

XAMPP is a free and easy to use for web server arrangement created by Apache Friends, mustering for the important part of the Apache HTTP Server, Maria DB database, and translators for contents written in the PHP and Perl programming languages. Since most legal web server organizations utilize indistinguishable segments from XAMPP, it makes changing from a nearby test server to a live server conceivable. Full meaning of Xampp is Ideographic Apache or http server MariaDB PHP PERL. Xampp regularly updated with those feature. It is a full and standard version, its call also small version. It has also some feature, they are: OpenSSL, phpMyAdmin, MediaWiki, Joomla, WordPress and more. Xampp use for developing website [8]. When Xampp installed, localhost connecting with FTP clients with CMS (components management system).Here is a table for Xampp different kind of component with version.

Table 3.1: Component included with Xampp:

Components	On Windows	On Linux	On macOS
Apache 2.4.41	YES	YES	YES
MariaDB 10.4.6	YES	YES	YES
phpMyAdmin 4.9.0.1	YES	YES	YES
OpenSSL	YES	YES	YES
Weblizer	YES	YES	YES
FTP server 0.9.41	YES	NO	NO
Apr 1.5.2	NO	YES	YES
cUrl 7.45.0	NO	YES	YES
Expat 2.0.1	NO	YES	YES
FPDF 1.7	NO	YES	YES
Mining 4.0.6	YES	NO	NO
Gdbm	NO	YES	YES
PDF class	NO	YES	YES

Perl 5.16.3	NO	YES	YES
Sablotron	NO	YES	YES
Zlib	NO	YES	YES

Sublime Text Editor:

Sublime editor is a full with features Text editor for editing code base files. It includes distinct component for assemble code base which helps developers to keep track of changes [3]. Various features that are supported by Sublime are as follows –

- Syntax Highlight
- Auto Indentation
- File Type Recognition
- Sidebar with files of mentioned directory
- Macros
- Plug-in and Packages

Sublime Text editor is used as an Integrated Development Editor (IDE) like Visual Studio code and NetBeans. The current version of Sublime Text editor is 3.0 and is compatible with various operating systems like Windows, Linux and MacOS.

Browser (Firefox, Chrome):

An internet browser is a product application for require data on the World Wide Web [9]. Every individual website page, picture, and video is distinguished by a particular Uniform Resource Locator (URL), empowering programs to recover [4]. A web browser is a program of client that uses HTTP.

Programming Language and Framework:

(Framework) Laravel:

Laravel is a web application framework with artistic, stately syntax. We've already laid the foundation — freeing you to create without glowing the small things. Laravel is a free, open source for php framework. Laravel follow simply architecture pattern MVC (model view controller)[10].

MVC architecture pattern: (follow laravel framework)

It is frequently used for developing user interfaces and it isolates the application logic from the user interface layer and supports separation of concerns which made it popular among developers.

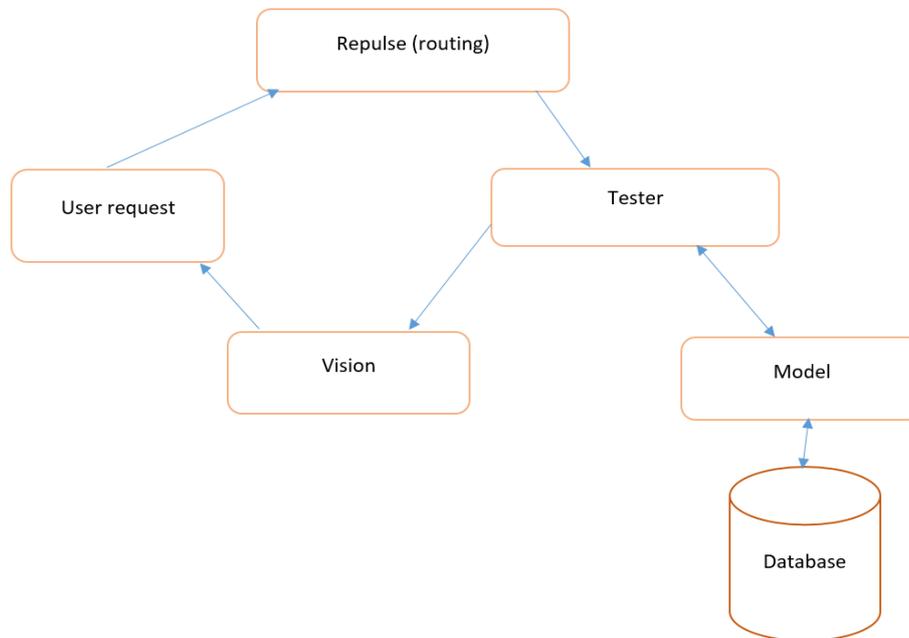


Figure 3.1: MVC architecture pattern

Programming languages:

Hypertext Preprocessor (or simply PHP) is a general purpose language originally designed for web development [7]. The PHP originally stood for *Personal Home Page*, but *PHP: Hypertext Preprocessor*. PHP code may be executed with a (CLI), embedded into HTML code, or used in many different types of template's, web content, and web framework [4]. PHP code is usually processed and implemented as a segment in a web server or as a (CGI) executable. The web server outputs the results of the interpreted and executed PHP code, which may be any type of data, such as generated HTML code or binary image data. PHP can be used for many programming tasks outside of the web context and robotic drone control. The standard PHP interpreter, powered by engine, is open free software released under the php [9]. PHP has been widely ported and can be deployed on most web servers on almost every management system and stage, free of charge. Usually html & css use for decorating web page .we can create website structure that user can see [7].

MySQL:

MySQL is an open-source relational database management system (RDBMS) [8]. It was founded by David Axmark and created a Swedish company. MySQL is free and open-source programming under the provisions and it has two editions, SSL support, and is additionally accessible under restrictive licenses. MySQL was sponsored by the organization MySQL AB, which was purchased by Sun Microsystems (presently Oracle Corporation). In 2010, Windaus forked the open-source MySQL project to create MariaDB [8].

3.3 Flow chart & use case model

Flowchart description: (“Baby sitter hire”):

Using flowchart, we can easily understand what the basic process is, if parents hire any sitters. First of all, parents visit home page in website, parents connected with sitters or communicate with them, and then parents must be registered. Otherwise they can't communicate with sitters. But parents can view the profile of terminating sitters. But without registration they can't see detail in profile, they can only see basic information. If they registered then created an account, for searching sitter. In this website parents can find sitters using their own location. After choosing sitter, they can see all details about sitter. Like, sitter payment, how many hours he/she will work, his/her available day, hobby, educational background, work experience etc. After all seeing this, parents can deal with sitter for their baby.

Flowchart Description about Sitter:

Using flowchart, we can easily understand what the basic process is, when anyone wants to be a sitter. If they want to be sitter, and then must be a registered for this website. After registration process complete, she or he can update their profile info. Like their, work experience, how much money will he/she take every hour, hobby, educational background etc.

The flow chart of parent and sitter is shown in Figure 3.2 and 3.3.

Parent's flowchart:

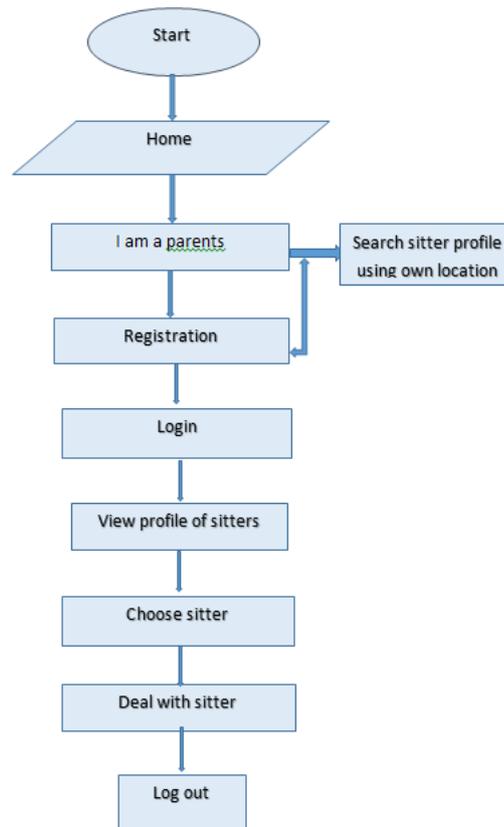


Figure 3.2: Flowchart of Parents

Sitter flowchart:

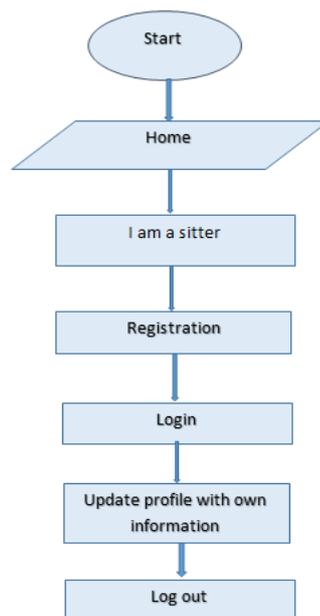


Figure 3.3: Flowchart of Sitters

Use Case Model:

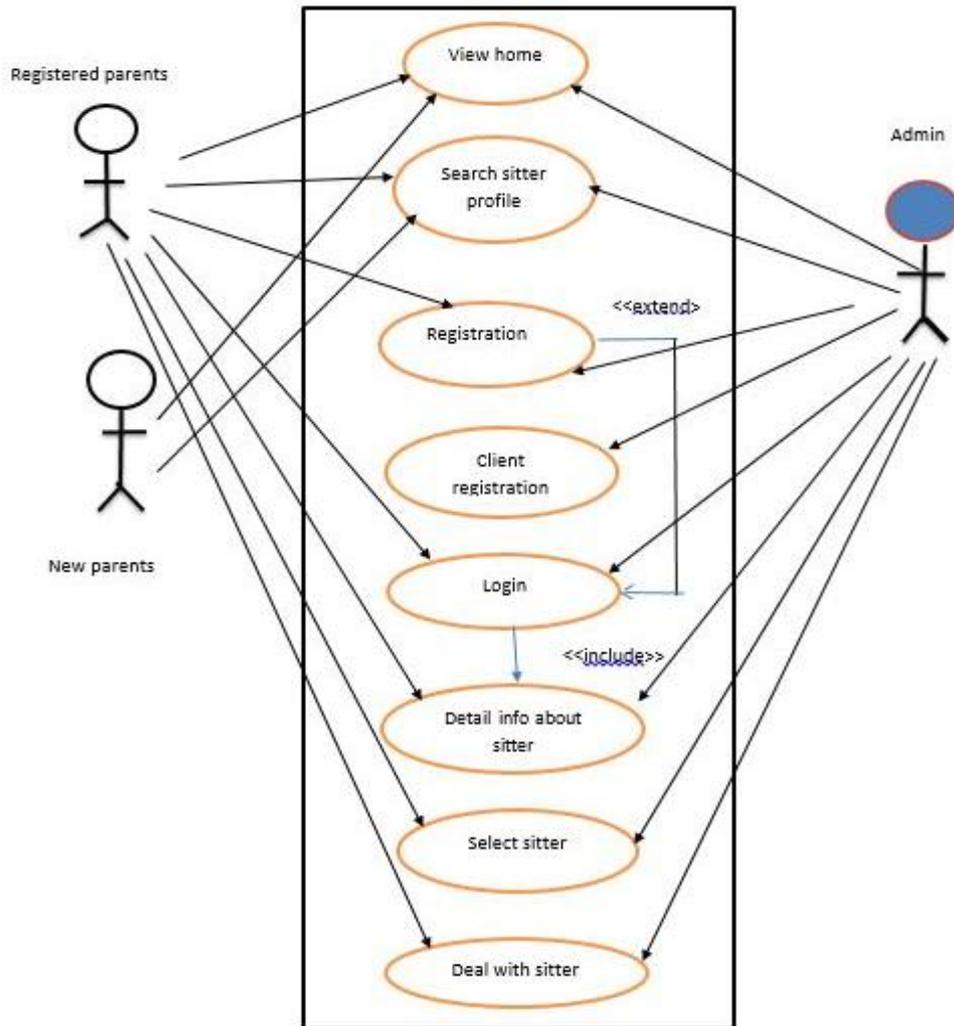


Figure 3.4: Use Case Model

Use Case Description:

Every attribute will be describing about containing “Primary Actor”, “Secondary Actor”, “Pre-Condition”, “Scenario”, “Post-Condition”.

Table 3.2: Use Case Description of registration in website

Use case	Registration
Primary Actor	Parents
Secondary Actor	Null

Pre-Condition	Null
Scenario	*Click parents button *Fill up information about parents *Must be fill up parents NID *Enter email *Enter new password
Post- Condition	Registration successful or failed

Table 3.3: Use Case Description of Registration for sitters in website

Use case	Registration
Primary Actor	Baby Sitters
Secondary Actor	Null
Pre-Condition	Must be Fill up information about Local guardian
Scenario	*Click “I ‘m a sitter” button *fill up information about sitter *Enter email *Enter new password
Post- Condition	Registration successful or failed

Table 3.4: Use Case Description of login for both in website

Use case	Login
Primary Actor	Parents, Sitter
Secondary Actor	NULL

Pre-Condition	NULL
Scenario	*Enter email / mobile number *Enter password
Post- Condition	Login successful or failed

Table 3.5: Use Case Description of Searching

Use case	Search
Primary Actor	Parents
Secondary Actor	Baby Sitter
Pre-Condition	Must be registered parents
Scenario	*Enter name of sitter *Enter gender of sitter *Enter location of sitter *Enter age of sitter
Post- Condition	Searching process successful or failed

Table 3.6: Use case Description of Dealing with Sitter

Use case	Deal
Primary Actor	Parents
Secondary Actor	Baby Sitter
Pre-Condition	Must be registered parents & registered sitter
Scenario	*Enter time *Enter date *Click “Deal” button
Post- Condition	Dealing process successful or failed

3.4 Logical Data Model

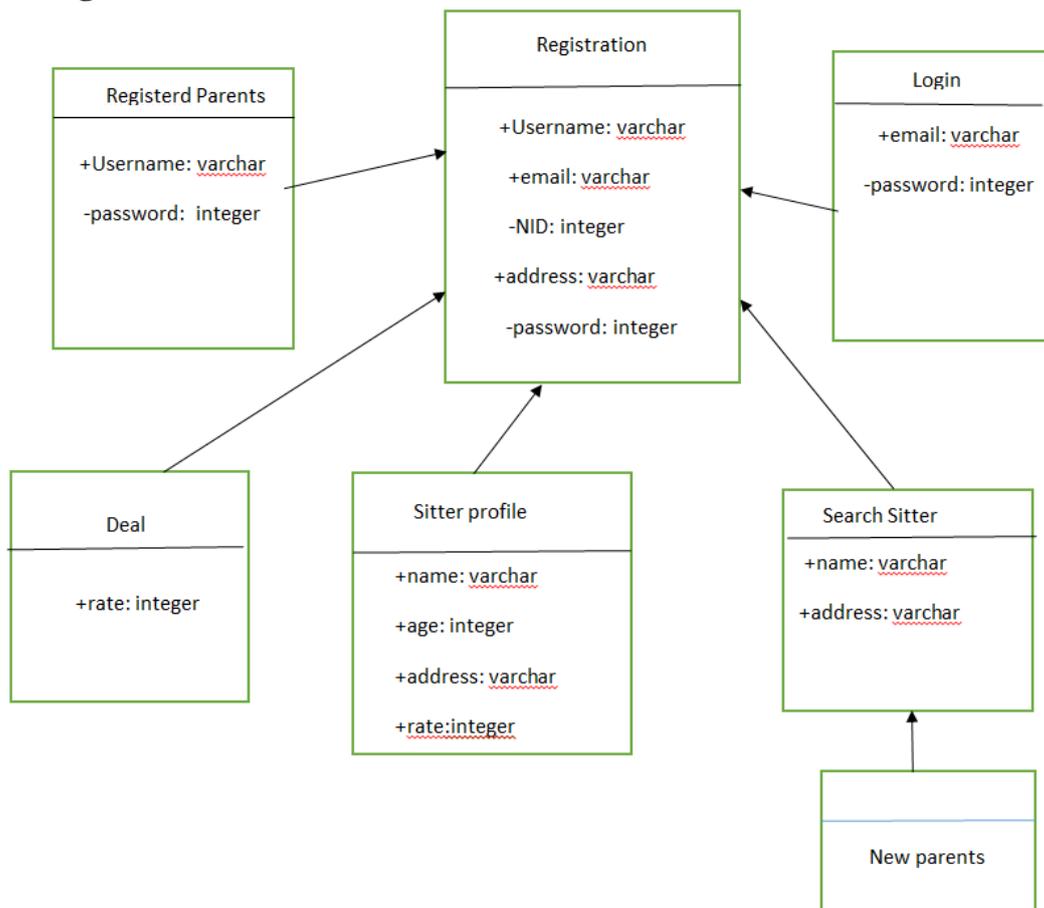


Figure 3.5: Logical Data Model

3.5 Design Requirement

- ▶ In this application there are two users such as parents and sitters.
- ▶ Sitters will set their own profile and also manage account.
- ▶ Parents will choose their babysitter.
- ▶ parents can send request to sitters.
- ▶ Parents can deal with sitter.

CHAPTER 4

DESIGN SPECIFICATION

4.1 Front-end Design

The main attraction of this applications is the front-end design. This is the main way of interaction between users, admins and servers. Front end design is also frequently known as client side development. We have made a front end design which is very easy for the users to initiate the application.

Home Page:

Website name, logo, sign up, login are the main sections of home page. We tried to keep the whole page very easy, simple to navigate and the application as responsive as possible, so it can be view easily in many browsers.

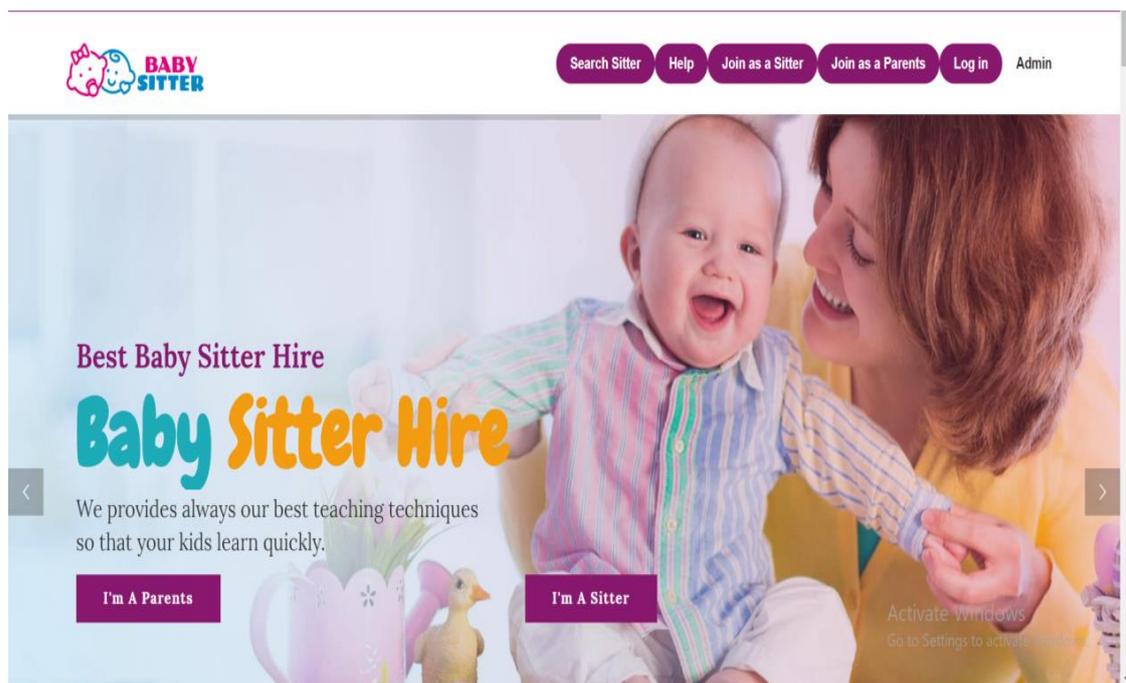


Figure 4.1: Home Page

Parents Registration Page:

Parents Registration Page demands the necessary information about parents. Without those information parents can't be able to access the further process of hiring a sitter.



Figure 4.2: Parents registration Page

Sitter Registration Page:

Significant information about sitters and information about local guardian are the highlights of this page.

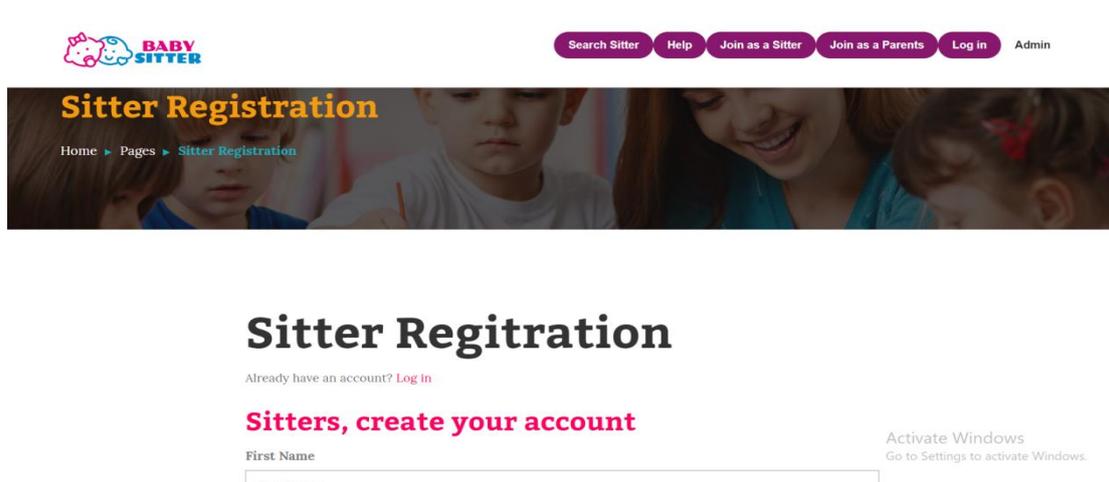


Figure 4.3: Sitter Registration Page

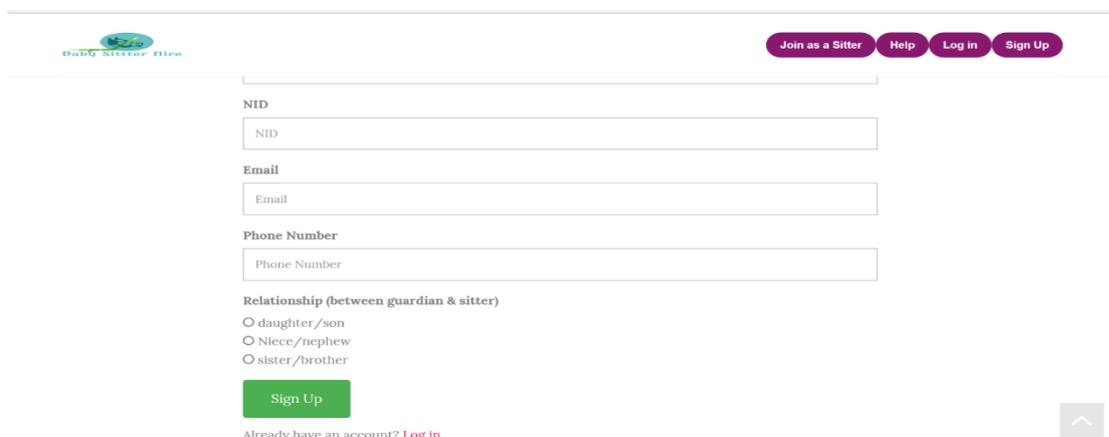


Figure 4.4: Local Guardian Registration Page

Login Page:

Parents and Sitters both can log in after they have successfully done the registration process.

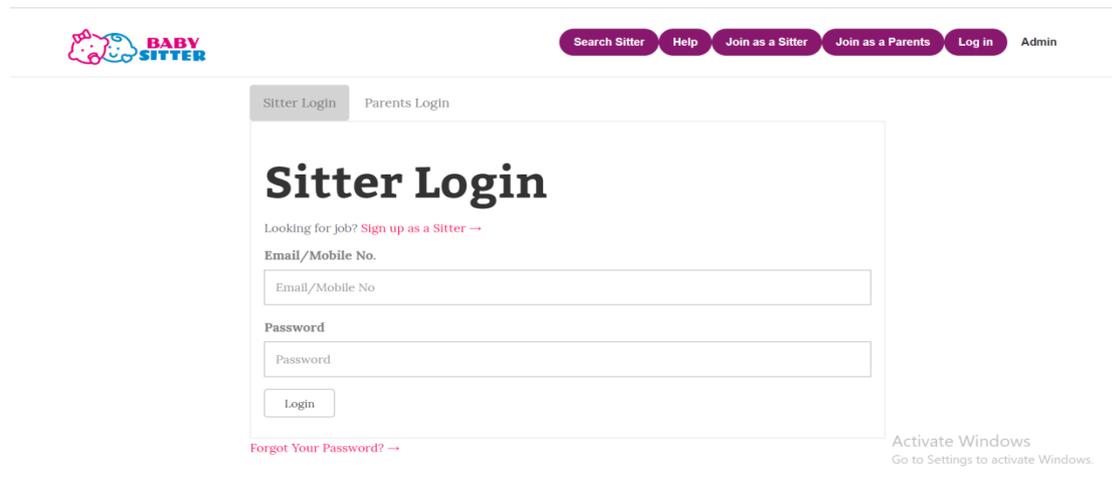


Figure 4.5: Login Page

Searching Sitters:

Parents can search desired sitters according to their own choices with the filtering options which are the main sections of this page.

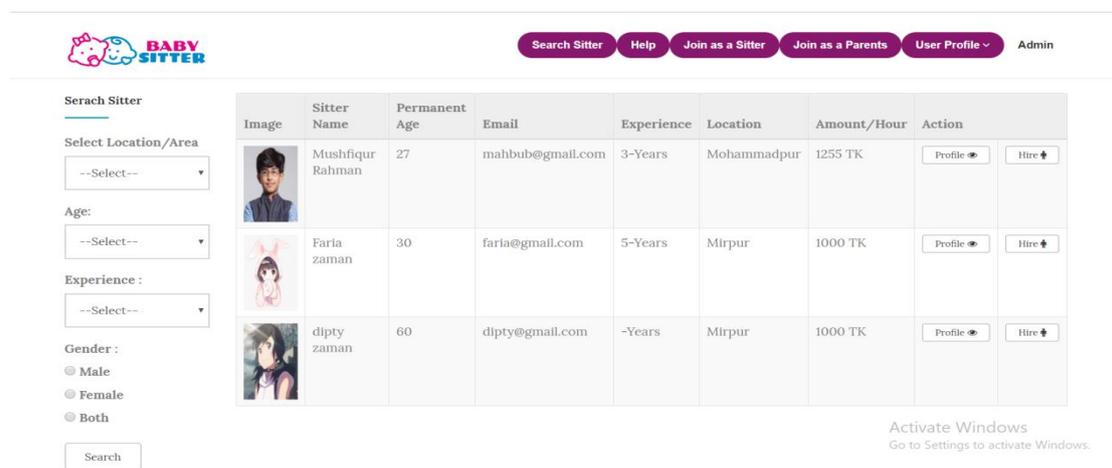


Figure 4.6: Searching Page

Deal with Sitters:

Completing searching, parents can deal with sitters after checking out sitters' profiles. Because the amount of money can be mentioned on the profile.

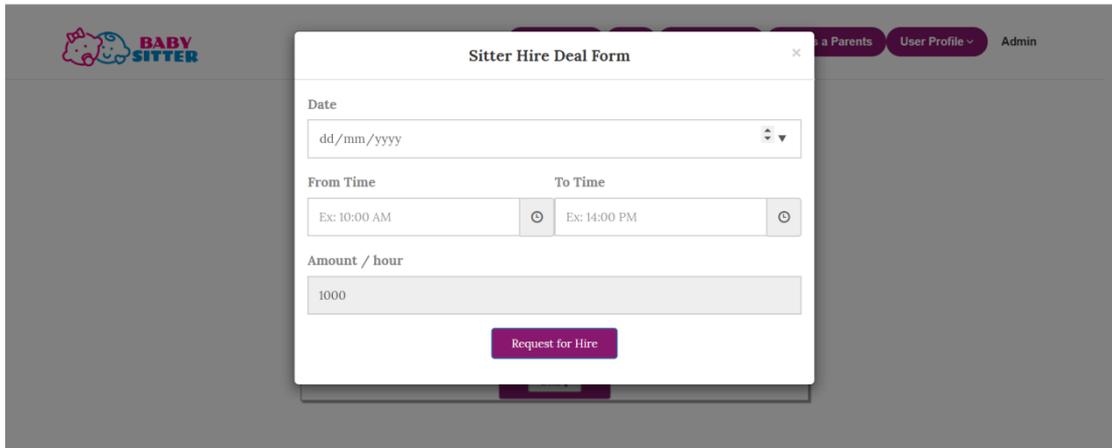


Figure 4.7: Dealing Page

4.2 Back-end Design

It is commonly believed that back-end holds the vital strength of a project. Logical functions are always completed in the back-end section. This part is not for customers, that is why it can be viewed by only admins. Admins can modify the functions of a web application by only working on back-end. That is why it is considered to be the most valuable part of a system. Basically back-end means server-side. Generally back-end consists of languages like PHP. Our web application system is a combination of PHP, MySQL database, Laravel Framework XAMPP (as a local server). These have been used for developing and maintaining of back-end section.

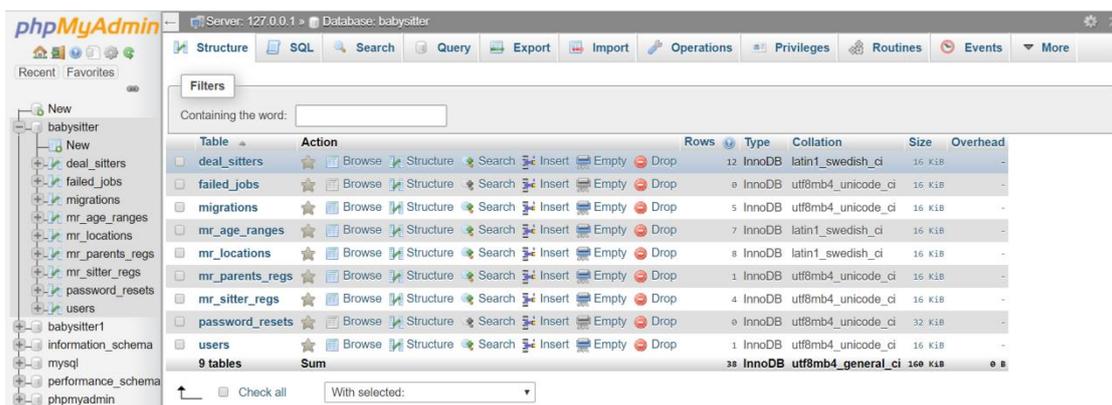


Figure 4.8: Database Table

In the given figure we can see that a table has been given. We can modify our system easily because all the characters have their individual fields which will let us to work separately.

CHAPTER 5

IMPLEMENTATION AND DESIGN

5.1 Interaction Design and UX

We structured our website exploiting programming language php, and Xampp. This website boost us to responsive and better beheld involvement with the easy to use features. The parents and sitters existence is bringing better for the way toward developing user's fulfillment.

5.2 Implementation of Requirements

- MVC framework that is created for php, is called Laravel.
- The Database is MySQL.
- Every data are stored as a backup in Server.
- Illegal or invalid data like parents information data or sitter information data use as a input, then should display error text.

5.3 Implementation of Interaction

So as to make our website framework Laravel (Displaying the previous uploaded files, configuring and expectation handling etc.) intelligent we make the website responsive and use catches, symbols, content, features and some more. The framework structure of our project is easy to use. Parents and sitters will ready to utilize the highlights as long as they are signed in.

5.4 Testing Implementation

Testing implementation provide one or more goal of proving that the identification is implementable in practice, and that implementations conform to the statement. We tested some of the attributes of our website and implanted it.

Table 5.1: Testing Table

Test Case	Test Input	Expected Outcome	Obtained Outcome	Pass/Fail	Tested On
-----------	------------	------------------	------------------	-----------	-----------

Registration	Registration Via Website	Successfully Registration	Successfully Registration	pass	20/9/2019
Login	Login Via website	Successfully Login	Successfully Login	pass	20/9/2019
Search	Search Via website	Successfully Search	Successfully Search	pass	20/9/2019
Send Request	Request Send Via website	Successfully sending request	Successfully sending request	pass	20/9/2019
Password	Incorrect password or empty field	Warn correct password or empty field	Show warning	pass	20/9/2019

5.5 Test Result and Report

Test report is a verification of testing implement feature of system and also a wanted to reflect result of testing in formal way. In this paper huge data gain from some operational condition's and some trial in real situation. For this testing report, easy to understand the framework properly prepared for use. On the other hand, framework also tested for this report. That's why it's more advantages for prepared report.

- Website easier to use
- UI interaction better for website

CHAPTER 6

CONCLUSION AND FUTURE SCOPE

6.1 Discussion and Conclusion

Parenting mean you have to fulfill all the responsibilities of a parents for 24/7. Every parents feel stressed. If both mom and dad is working parents then the stress becomes even higher. Which does not let the parents to be the way the wanted. Getting a babysitter means mean when we are on a airplane and we advised to take the oxygen mask which in not compulsory but let us be more relaxed. If we leave our kids with a babysitter and he/she can survive being without us which indicates that he/she will do great in the future because they have already learned the skill to feel comfortable with other people than parents. All these benefits parents can get from our services. By getting our services, parents can lighten their daily work-load, the flexibility of kids, helping hand from a stranger which will be an essential skill for the kids. This application will be a key need for the parents, it will help users/parents to save lots of stress and for the babysitters it can be an amazing part time job. It will help them socially and economically. This application is already in huge demand in foreign countries, and will be a great success in Bangladesh.

6.2 Scope for Further Development

- We will add messaging system in the application so that the whole conversation can be done in the website.
- Video calling system will be added.
- Payment system will be added in near future.
- User interface will be updated according to the user demand if it is needed.
- Artificial Intelligence can be added to make the application more user friendly.
- Image Processing can be used widely for the security purposes.
- Customer Care can be added for any kind of instant help.
- Features will be added day by day according to user's need.

REFERENCES

- [1] K. Ciszek, "The ubers of babysitting : A comparative study of ways of measuring trustworthiness and assessing reputation between users of babysitting services in the sharing economy".
- [2] K. Kozák, "Community Mobile iOS Application Providing a Babysitting Service".
- [3] "CSS", Available at: <https://www.w3schools.com/html/>[Last accessed: 15 October 2019]
- [4] "HTML". Available at: <https://www.w3schools.com/html/>[Last accessed: 15 October 2019]
- [5] "JavaScript". Available at: <https://javascript.info/intro/> [Last accessed: 1 October 2019]
- [6] "Jquery". Available at: <http://www.jquery.info/> [Last accessed: 5 October 2019]
- [7] "PHP". Available at: <https://www.w3schools.com/php/> [last accessed: 6 October, 2019]
- [8] "MySQL". Available at: <https://www.tutorialspoint.com/mysql/> [last accessed: 8 October, 2019]
- [9] "AJAX". Available at: https://www.w3schools.com/xml/ajax_intro.asp / [last accessed: 13 October, 2019]
- [10] "Laravel". Available at: <https://www.tutorialspoint.com/laravel/> [last accessed: 13 October, 2019]

Babysitters Of Bangladesh

ORIGINALITY REPORT

19%	%	%	19%
SIMILARITY INDEX	INTERNET SOURCES	PUBLICATIONS	STUDENT PAPERS

PRIMARY SOURCES

1	Submitted to Daffodil International University Student Paper	8%
2	Submitted to Institute Of Applied Technology Student Paper	2%
3	Submitted to Charotar University of Science And Technology Student Paper	2%
4	Submitted to St. Patrick's College Student Paper	1%
5	Submitted to Informatics Education Limited Student Paper	1%
6	Submitted to Glasgow Clyde College Student Paper	1%
7	Submitted to College of North West London, London Student Paper	1%
8	Submitted to Universiti Teknologi Petronas Student Paper	1%