**ONLINE PHOTOGRAPHY BOOKING MANAGEMENT**

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## Introduction:

2AR photography is a photography service provider that provides different types of photography and videography related services for various types of events. It has been providing photography related services from past few years. It is located at Maitidevi, Kathmandu, Nepal.

The main aim of the company is to provide different type of photography services for different events like Wedding, Birthday Parties, Anniversaries, Musical Concerts, and Charity Shows etc. There are different types of packages for different kinds of events. When a client needs photography service, they ask the company about the available packages and books it for particular days.

Till now 2AR photography does not own its official website. The company is currently using the Facebook page to inform their clients about the available packages and taking the orders through the Facebook message box. The use of Facebook for taking the bookings is creating a lot of trouble currently. When the clients ask the company to take a booking for the particular days, they record this information in a piece of paper. Due to the unmanaged messaged booking, the booking has been taken multiple time and is creating a lot of problems. While taking the booking from the client first of the client calls the 2AR Photography or Message them on their Facebook page asking them if the booking is available for the day they want to make their booking. After that the representative from 2AR Photography checks their paper record to find if there is any pre-existing booking for the date the client has made enquiry for and informs the client if the booking is available or not. This is a very long process to find out the pre-existing booking in the paper. And also, the representative might not be available all the time. Due to which the client won't get the information on time. Also, to make the booking the client needs to keep asking the representative about the details and price. This is a time-consuming process and can also cause some problems if all the paper records are not maintained properly. Which will result in unsatisfied client.

To solve all these problems, the company has decided to make their official website from where the clients can see different available packages. The clients can also register for a new account and make a booking for the packages. Also, they can personally send the queries if they have any through contact page. They can also see the location of the office in a google map which will be integrated in the system. They can also know about the company and see their past works and portfolios before making a booking.

Whereas the admin of the system can add new packages, delete or edit them. They can view the total users they have and the bookings registered. The queries sent by the users will be viewed in their email. They can also view the list of the users and their contact details from admin panel.

## Statement of Problem:

The main problem of the 2AR Photography is that the use of Facebook or calls for taking the bookings is creating a lot of trouble currently. When the clients ask the company to take a booking for the particular days, they record this information in a piece of paper. Due to the unmanaged messaged booking, the booking has been taken multiple time and is creating a lot of problems. While taking the booking from the client first of the client calls the 2AR Photography or Message them on their Facebook page asking them if the booking is available for the day they want to make their booking. After that the representative from 2AR Photography checks their paper record to find if there is any pre-existing booking for the date the client has made enquiry for and informs the client if the booking is available or not. This is a very long process to find out the pre-existing booking in the paper. And also, the representative might not be available all the time. Due to which the client won't get the information on time. Also, to make the booking the client needs to keep asking the representative about the details and price. This is a time-consuming process and can also cause some problems if all the paper records are not maintained properly. Which will result in unsatisfied client.

## Scope of Proposed System:

The scope of the proposed system is:

- Online system to keep the information of the clients registered, packages and bookings made.
- Use advanced online system instead of paper-based system.
- Google Maps to inform the location of the organization in the website to the clients.

## Objectives:

The objectives of this project are as follows:

- To develop a web-based photography management system that is useful for:
  - Showing available packages which can be booked.
  - Showing the date of availability for booking the services.
  - Providing online booking of Photography Services.
  - Showing information related to the packages and their pricing.
  - Showing the past reviews of the clients.

## Limitation:

Many of the booking platforms has the online payment methods like PayPal, Credit Card, E-Sewa, Khalti, etc. through which you can pay the charges of the services online and not need to worry about the payment later. This project will not have this functionalities to make the online payment of the services booked due to the limited time constraints and will be saved for future works.

## Research Methodology:

For the research methodology, both the quantitative and qualitative data will be collected as per the requirement. For the collection of data, the methods like Interview, Questionnaire and Observation will be used.

### Direct Interviews:

As a part of the data collection direct interviews is the most effective way of collecting the data as we get to interact with the user itself.

For my interview, I took the help of Mr. Rohit Sai a young Photographer and owner of 2AR Photography. I got to know the ideas of the current situation of the photography bookings management and how they are casing their work with his help.

### Observation:

Observation involves the involvement of ourselves to find out what is being carried out by observing.

Again, with the help of Mr. Rohit Sai I got an opportunity to observe how the bookings are being taken and how they manage everything and what are the problems being faced.

### Questionnaires:

The list of the questionnaires asked to the owner of 2AR Photography are as follows:

1. What are the current technologies being used to showcase your past works?
2. What are the current technologies being used to take the bookings from your clients?
3. What are the problems being faced for showcasing the past works and bookings recently?
4. What do you think might solve your problem?
5. What will be the benefits from the system that you have expected?

## Process Diagram:

By the help of all the data collected from the interviews, observation and questionnaire, a basic fundamental of the system is generated using process diagram presented below:
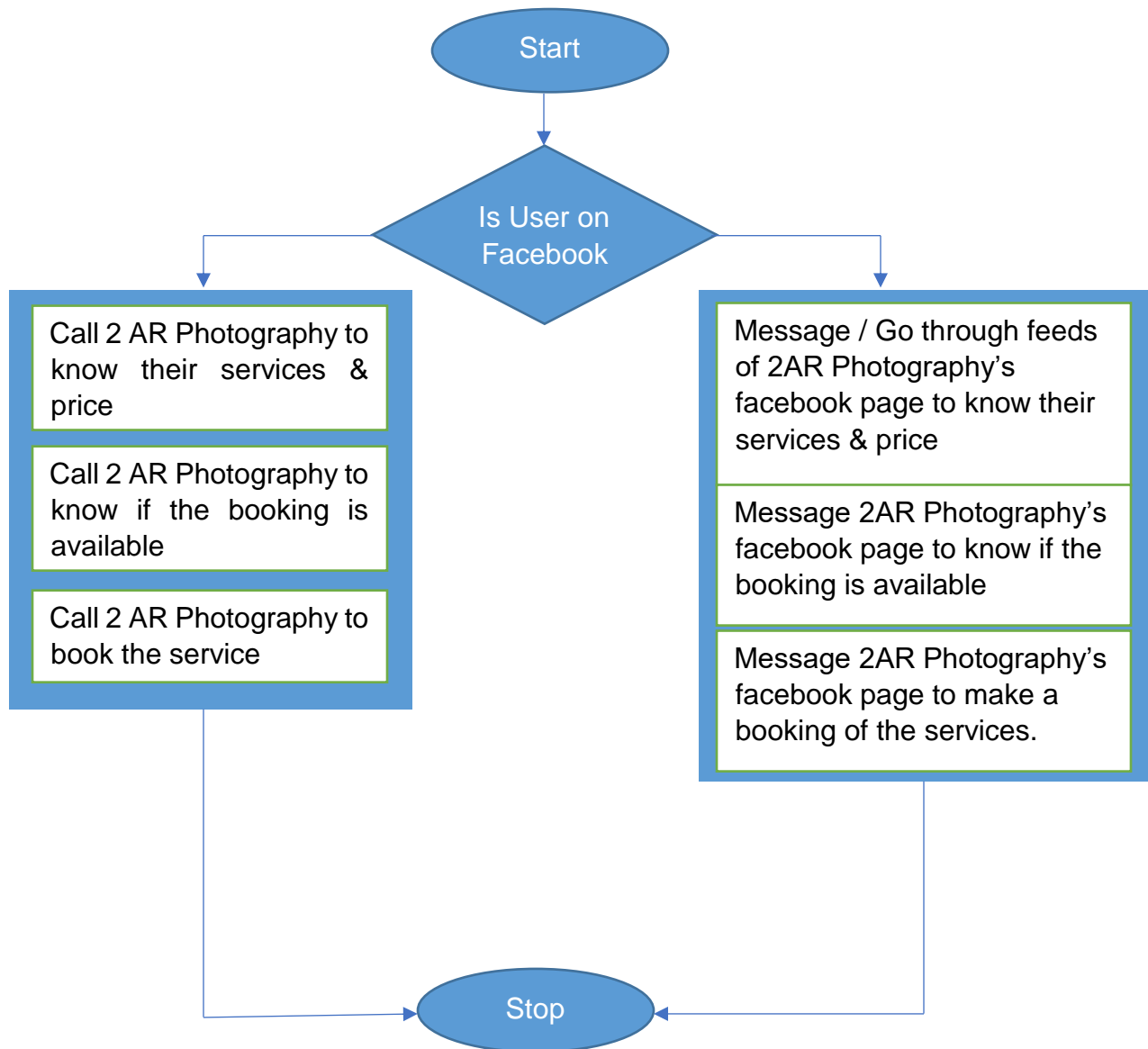
```
                          ┌─────────┐
                          │  Start  │
                          └─────────┘
                               │
                          ◇ Is User on
                            Facebook ◇
                   ┌───────────┴───────────┐
                   │                       │
   ┌───────────────────────────┐   ┌───────────────────────────┐
   │ Call 2 AR Photography to   │   │ Message / Go through feeds │
   │ know their services &      │   │ of 2AR Photography's       │
   │ price                      │   │ facebook page to know their│
   ├───────────────────────────┤   │ services & price           │
   │ Call 2 AR Photography to   │   ├───────────────────────────┤
   │ know if the booking is     │   │ Message 2AR Photography's  │
   │ available                  │   │ facebook page to know if the│
   ├───────────────────────────┤   │ booking is available       │
   │ Call 2 AR Photography to   │   ├───────────────────────────┤
   │ book the service           │   │ Message 2AR Photography's  │
   └───────────────────────────┘   │ facebook page to make a    │
                                    │ booking of the services.   │
                                    └───────────────────────────┘
                          ┌─────────┐
                          │  Stop   │
                          └─────────┘
```

*Figure 1 Process diagram of traditional system being used currently*
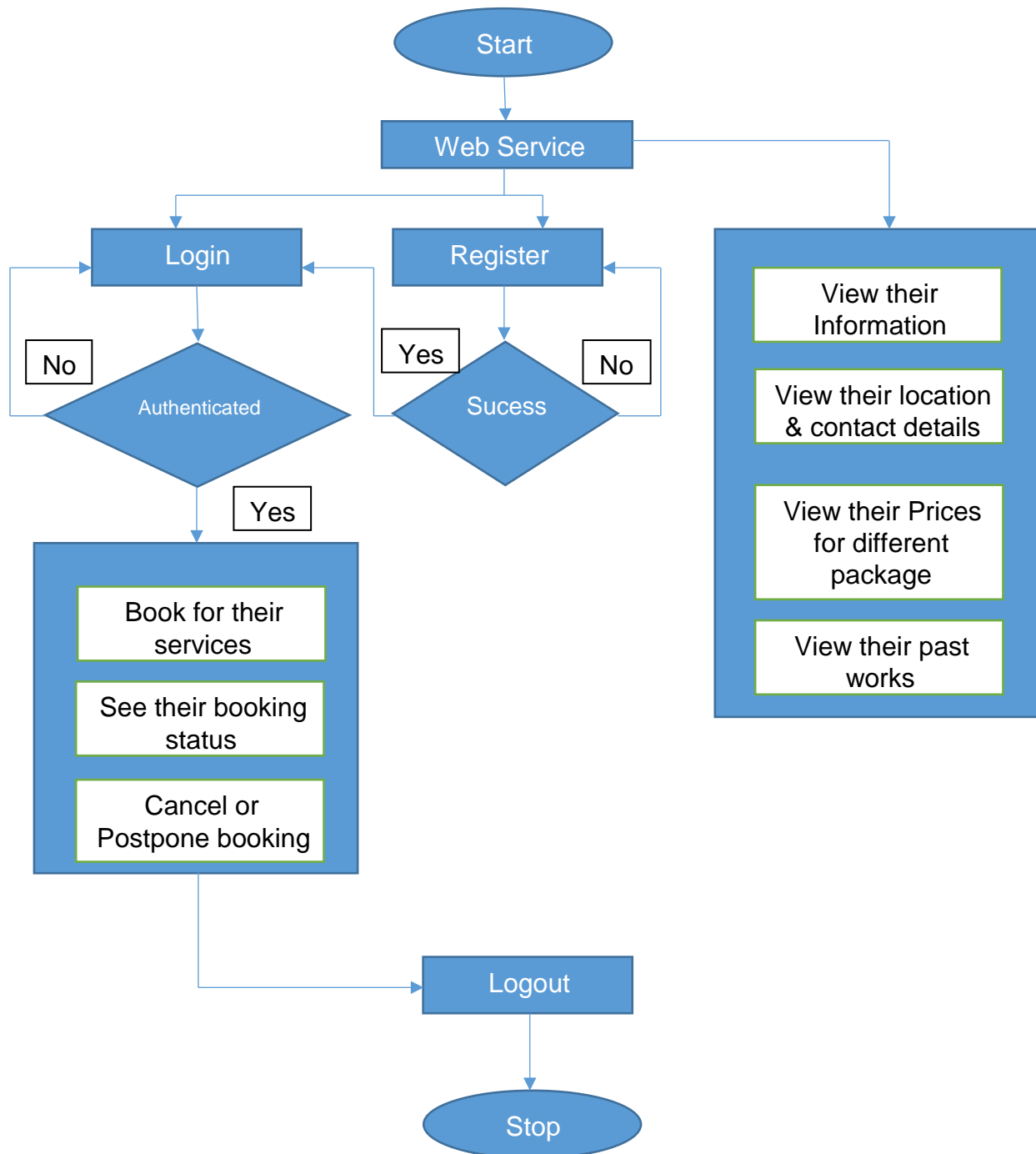
*Figure 2 Process diagram of proposed system that will be developed*

## Tools and Technologies to be used:

Since this system needs to be web-based system so I have chosen the following technologies for the development of the system:

- HTML/CSS with Bootstrap grid system for the UI / UX design.
- Added JavaScript and jQuery for better look and feel plus interaction.
- PHP backend with OOP.
- MySQL for backend database system.

Some of the tools which will be used during the development of the program are:

- Sublime text editor as IDE to code website
- Xampp Server to host the developed website
- Photoshop to design UI

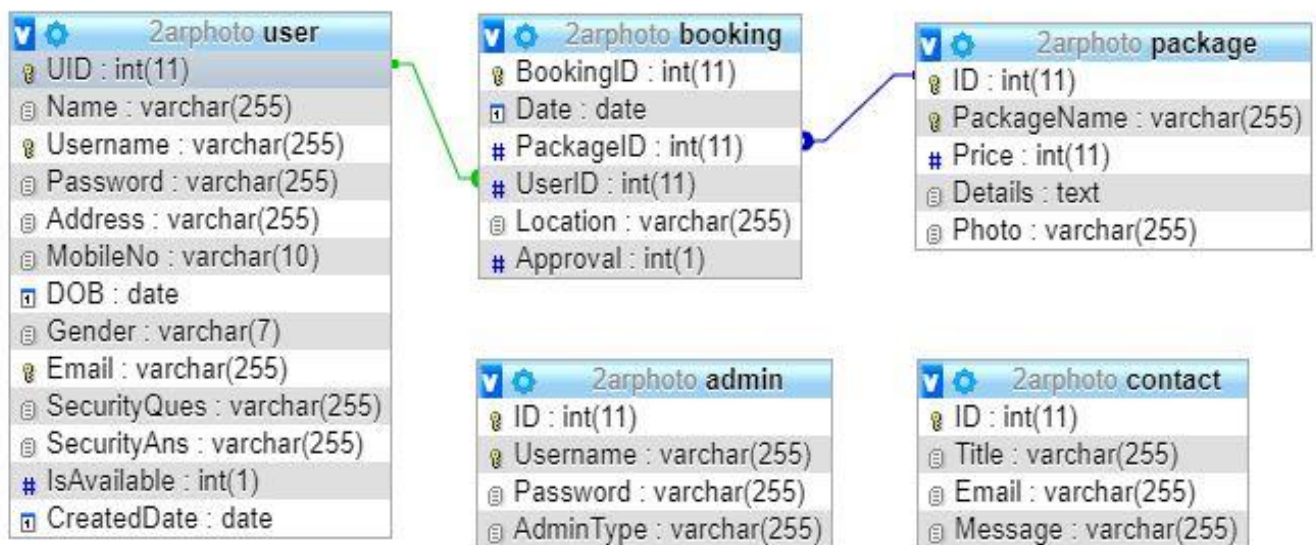## ER DIAGRAM of proposed Database:



*Figure 3 ER Diagram of Proposed Database*
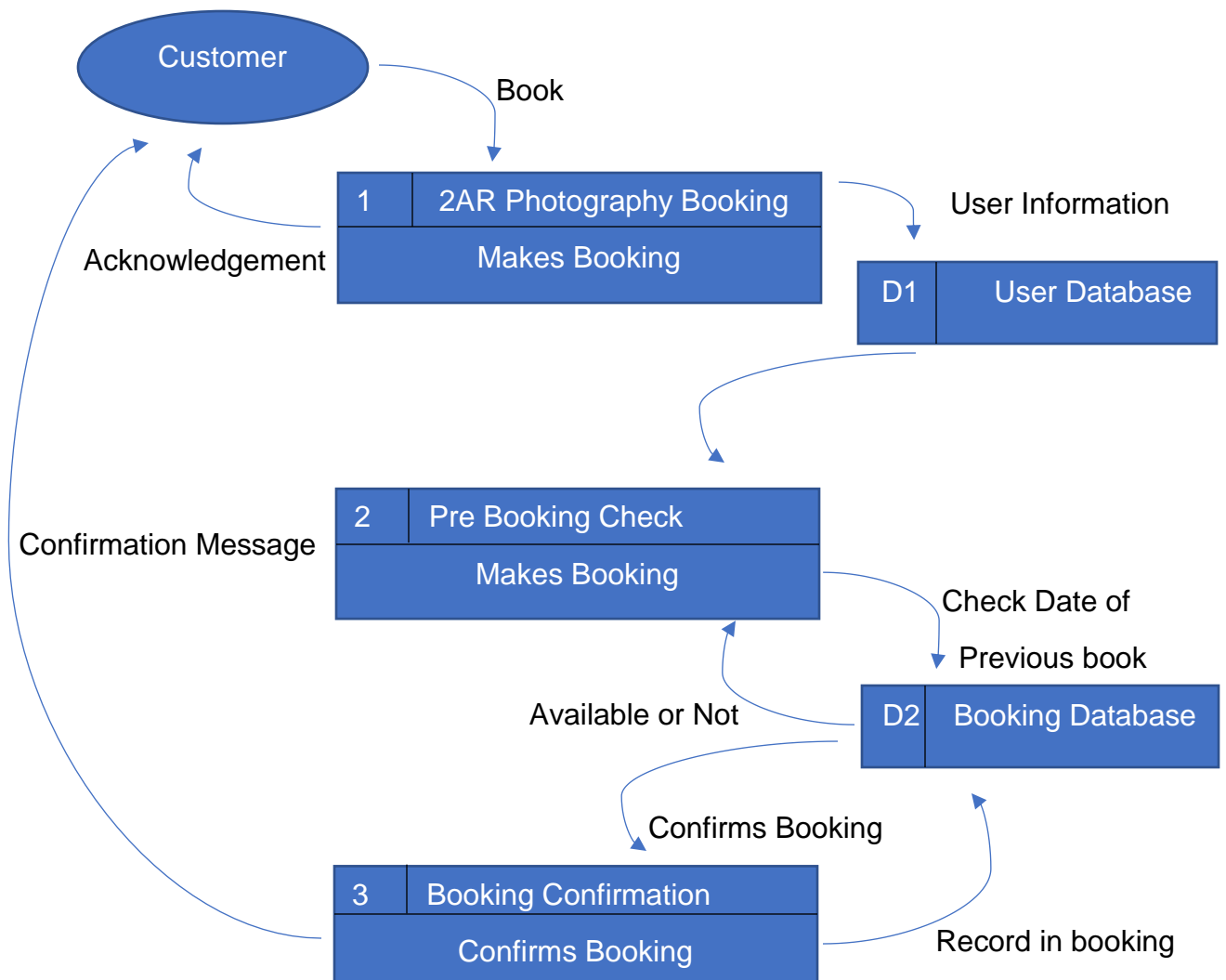
## Data Flow Diagram:



*Figure 4 Proposed Dataflow diagram of booking the service*

## Working Schedule:

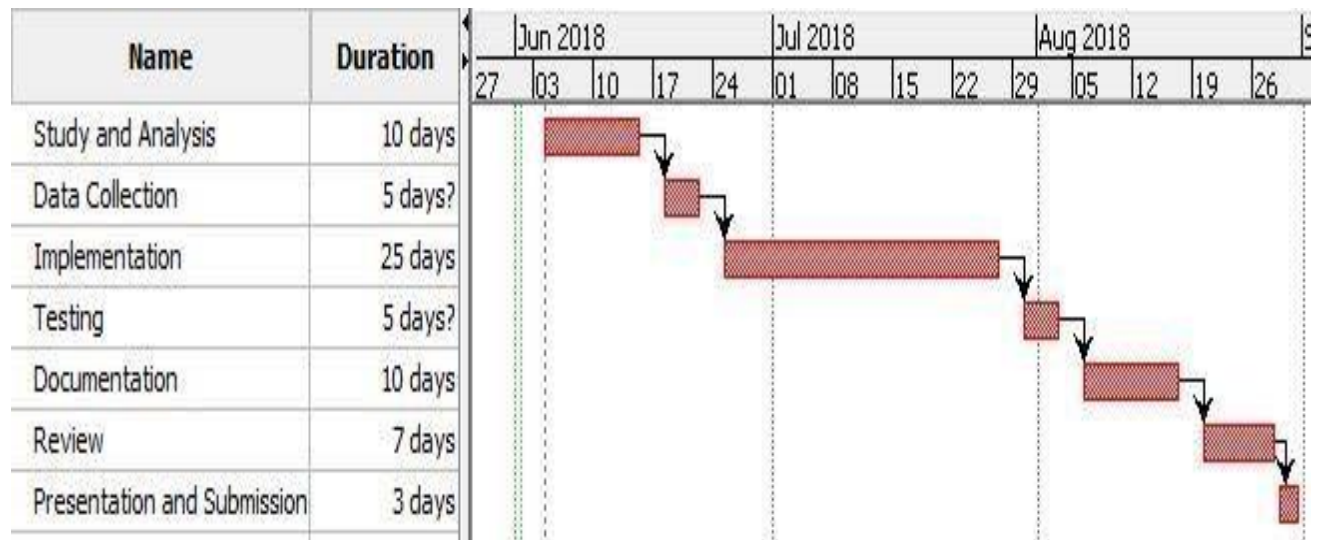| Name | Duration |
|------|----------|
| Study and Analysis | 10 days |
| Data Collection | 5 days? |
| Implementation | 25 days |
| Testing | 5 days? |
| Documentation | 10 days |
| Review | 7 days |
| Presentation and Submission | 3 days |

*Figure 5 Gantt chart showing the working schedule of the project.*