Veer Narmad South Gujarat University, Surat.

Department of Information and Communication Technology

M.Sc. (Information Technology) Programme

Project Report

7th Semester

M.Sc. (Information Technology)
5 Years Integrated Course

Year 2020 – 2021

Project Title

Guided By

Mr.Dhaval Joshi
(Internal Guide)

Submitted By

JadonMaheshPalSingh(19)

ValaKishan(50)

Veer Narmad South Gujarat University, Surat.

Department of Information and Communication Technology

M.Sc. (Information Technology) Programme

Certificate

This is to certify that Mr./Ms**.** **MaheshPalSingh Jadon** with Exam Seat Number: **19** has worked on his/her project work entitled **Pictick** at as a partial fulfilment of the requirements for 7th ***Semester - M.Sc. (Information Technology) [5 Year Integrated course]***, during the academic Year 2020-2021.

Date :**19/01/2021**

Place :**Surat**

Internal Guide
M.Sc.(I.T.) 7th Sem. Project
Department of ICT,
Veer Narmad South Gujarat
University, Surat

Head of the Department
Department of I.C.T.
Veer Narmad South Gujarat
University, Surat

Pictick

We bring you closer than ever before...

By:

MaheshPal Singh Jadon,
KishanVala.

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1. Introduction

1.1 Company Profile

1.1 Project Profile

The Concept.

- Pictick is live web based application with Microsoft SQL Server Management Studio where Customers can look for photographer for different function and events. Photographer can post his/her work and the can upload the photos in Gallery. Photographer can put the available time slots and price ,where the customer can book the appointment which has to be approved/decline by Photographer. There are many search option available for searching photographer.

Project Title	Pictick
Organization	
Front End Tools	Asp.net core,MVC,Javascript, & Ajax
Back End Tools	Microsoft SQL Server Management Studio
Other Tools	VBscript,HTML5,CSS3 & BOOTSTRAP 4
Project Category	Web Based application
Project Associates	Two
Duration	Three Months
Internal Project Guide	Nandkrishnan Nair
External Project Guide	Dr.Dhaval Joshi
Submitted By	KishanVala , MaheshPalSingh Jadon.
Submitted To	Department of ICT

2. Proposed System

2.1 Scope

Photographer

- Photographer can view and manage their Profile
- Photographer can Register their Work
- Photographer can post photos.
- Photographer can edit the Work Details detail's.
- Photographer can view Calender
- Photographer can approve/decline Appointments.
- Photographer can view comments on post/work
- Photographer can reset password.
- Photographer can also register as Customer.

User

- User can View products by Category, Photographer Name, etc
- User can Search for photographer by photographer name, Photographer rating, City.
- User can book appointment for photographer
- User can view Photographers profile
- User can view and manage their Own profile.
- User can Rate the Photographer
- UsercanResetPassword.

2.2Objective

- To provide complete transparency between Photographer and Customer.
- To make Photographer and customer reachable despite of geographical conditions.

2.3 Advantages

- Customer can view the post of photographer, no need to visit the shop.
- Can have multiple option for selecting.
- Wider access to photographers and customers.
- Choosing photographers based on their rating
- Comfortable appointment booking.

2.4 Limitation – things that are not there, but could be achieved.

- Not all the photographer might be able to use the website due to the language constraint.
- Trust Issues
- Transport facility can be made available for the products to reach the customers
- Customer and Farmer interaction can be made possible by using on website messaging.

3.Environment Specification

3.1Hardware Configuration

Processor:	: 2.40 GHz Intel(R) Core(TM) i5-6200U
RAM	: 4GB
CD Drive	: hp DVDRW GUD1N
Key Board	: Standard PS/2 Keyboard
Mouse	: SynapticsSMBusTouchPad
Monitor	: Generic PnP Monitor
Networking device	: Lan Card (Must be internet connection) or modem

Software Configuration

- **IIS Express**
- **Google Chrome, Mozilla Firefox**
- **Microsoft Visual Studio 2019**

4.System Planning

Feasibility Study

Feasibility study involves research relating to different aspects that go into developing software. Feasibility study of the problem definition or requirement was done to determine if the requirement can be solved effectively given the budgetary, operational & technical and scheduled constraints in place. The aim of feasibility study is to identify the best solution under the circumstances by identifying the effects of this solution on the organisation.

The feasibility of our project has been judged on the basis of time, technology, resources available, behavioural feasibility & cost of development.

4.1.1Duration Feasibility

- Project initiated with pre-stated deadlines.
- The duration is allotted keeping in mind the entire task & is practically feasible.

4.1.2 Implementation Feasibility

A proper implementation is essential to provide a reliable

system to meet requirements of the organization. Implementation is the stage in the project where the theoretical design is turned into a working system. The most critical

stage in achieving a new successful system is to improve the performance of the existing system and to deliver system effective application.

4.1.3 Operational Feasibility

- It will help in time saving and fast processing and dispersal.
- From the Admin perspective our application requires basic knowledge about policies of Cyber World.

4.1.4 Technical Feasibility

- Minimum system required for admin, user and visitor is computer connected with internet with compatible browser.
- The system is suitable for multi user operations. With the available resources robust system with data security can be developed. It uses PHP which has been tested & approved to be sufficiently robust, scalable & efficient to develop such an application. Hence technically there is no limitation for development of the system.

4.1.5 Resource Feasibility

- The system requires well trained software developers. Besides that network connectivity,MySQL servers are needed. Tools for documentation & editing are required.
- These resources are available and feasible.

4.1.6 Behavioural Feasibility

- Benefits of proposed system were assessed. Having realized the benefit of new system the users' response was studied before the inception of system development. They reacted positively towards the proposal.
- Since all the users involved in project development are familiar with internet no explicit training will be required to learn the usage of new system. Simple guidance would suffice.

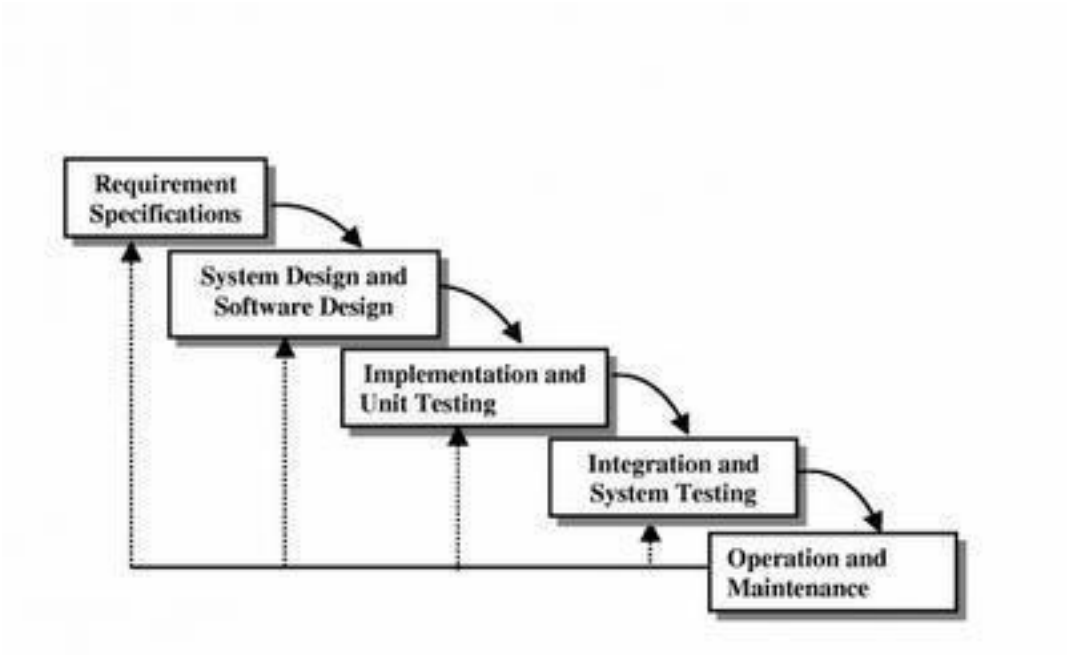
4.1.7 Economic Feasibility

- The cost of software and hardware required for system including storage of bulk of data server.
- No budgetary constraints were imposed on the system. More importantly since all free software were used only hardware, usage & internet costs were to be considered. These were quite limited & well within feasibility.

Based on above study it can be stated that designing & developing this system is certainly feasible if executed well within stated guidelines. So based on these positive results, the new system was approved for development.

4.2 Software Engineering Model

We followed Iterative Waterfall Model for software development do we can add new functionalities as per requirement.



4.3 Risk Analysis
- Trust issues
- Spam call

5.System Analysis

5.Software Requirement Specification

5.1 FunctionalRequirement

- Logins and Registration
- View Profiles
- View by Category,Name,City
- Search by keyword, farmer name, category, product name.
- Password Recovery
- Post work/gallery
- Book Appointment
- Provide review /Add comments.

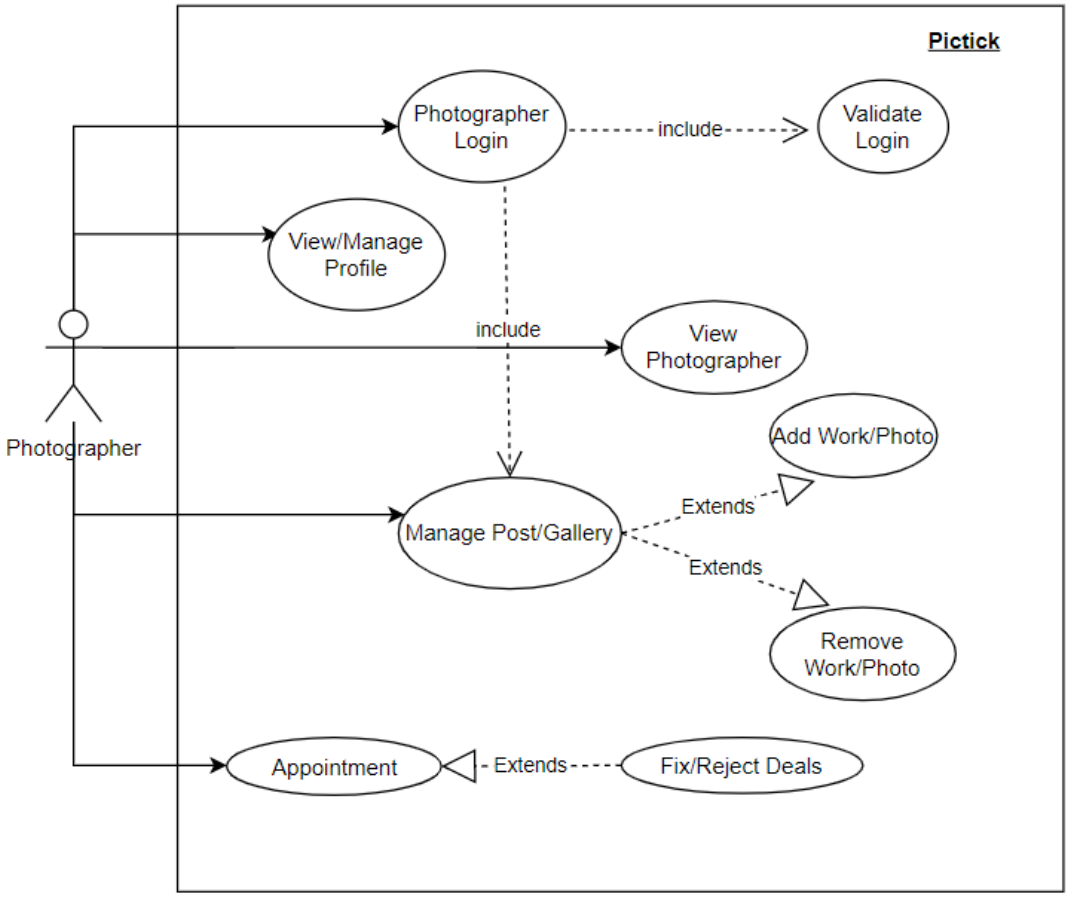
Non Functional Requirement

- Transparency between buyer and seller
- Easy to use User Interface
- Recoverability
- Response time

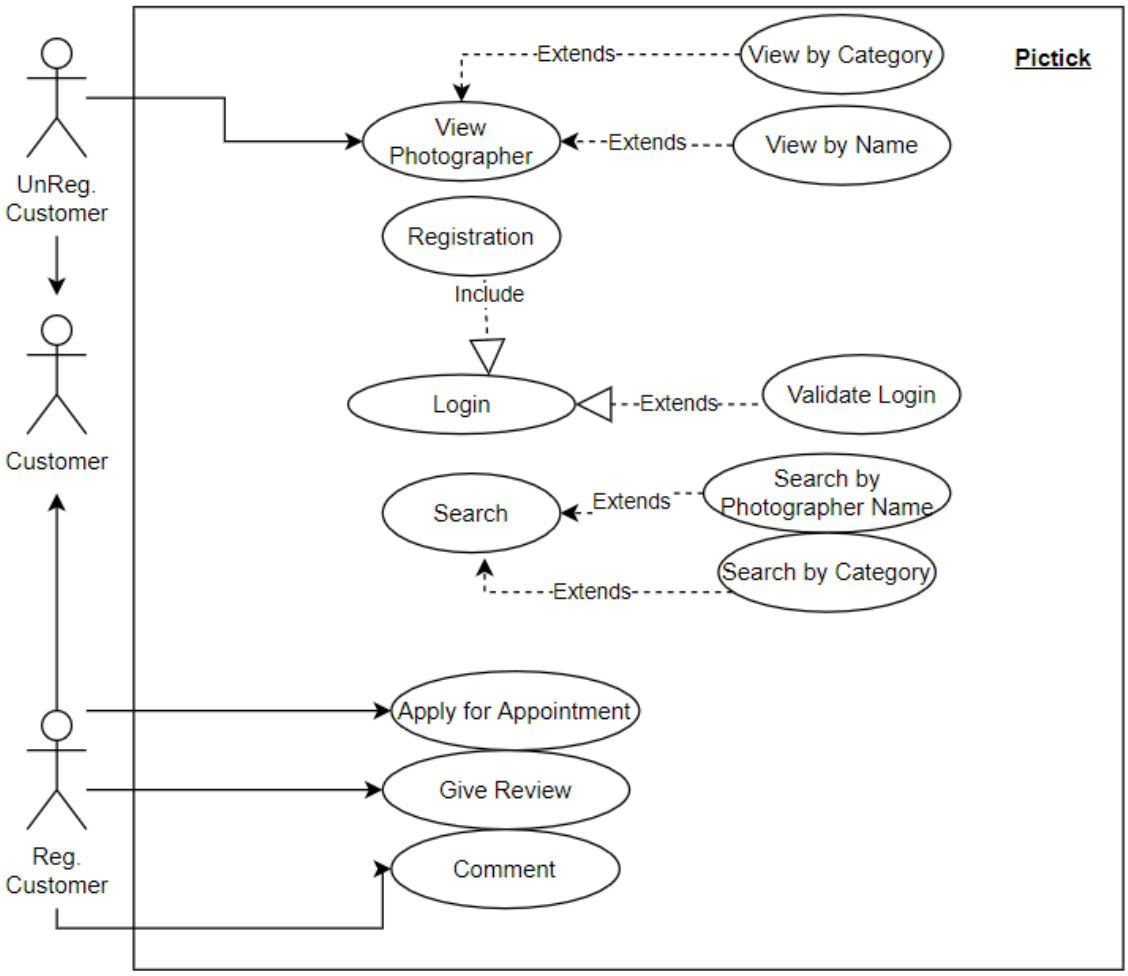
5.2 UML Diagram

5.2.1 Use Case Diagram

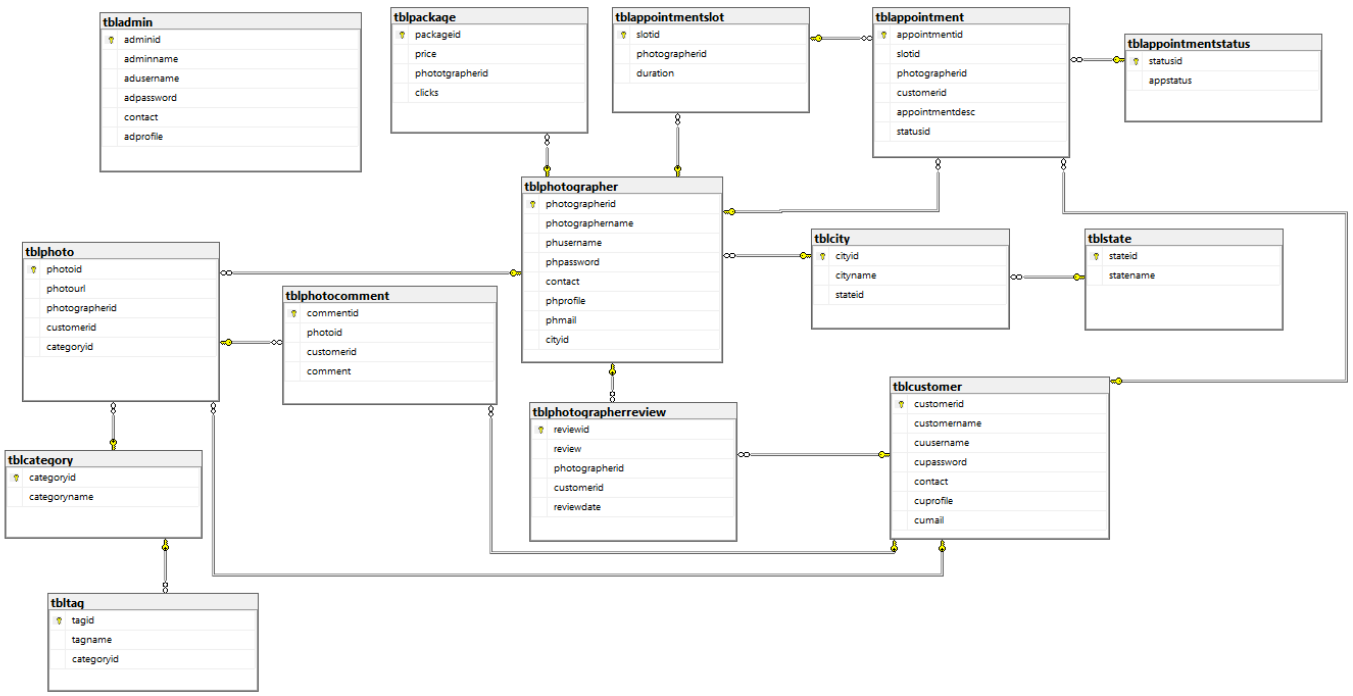
Photographer



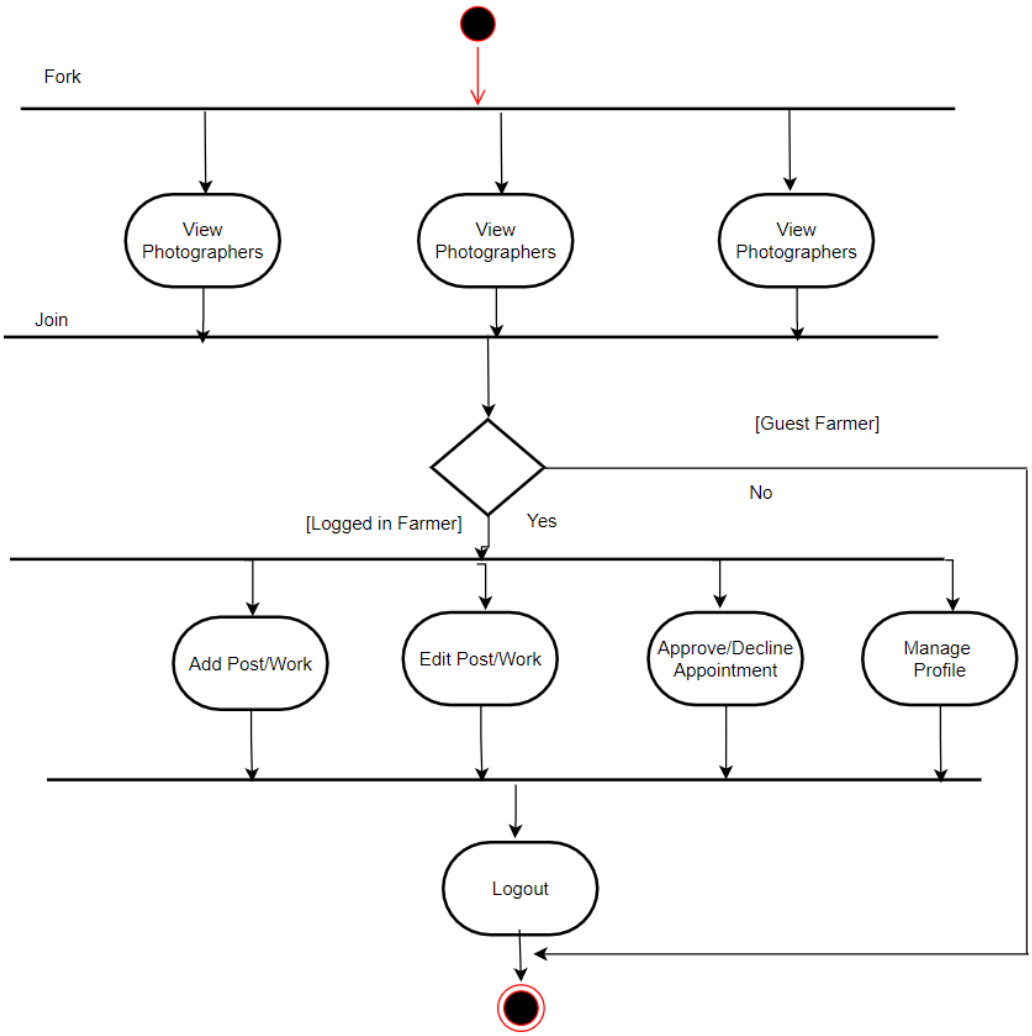
Customer


Pictick
Extends
View by Category
View Photographer
Extends
View by Name
Registration
Include
Login
Extends
Validate Login
Search
Extends
Search by Photographer Name
Search by Category
Extends
Apply for Appointment
Give Review
Comment
UnReg. Customer
Customer
Reg. Customer

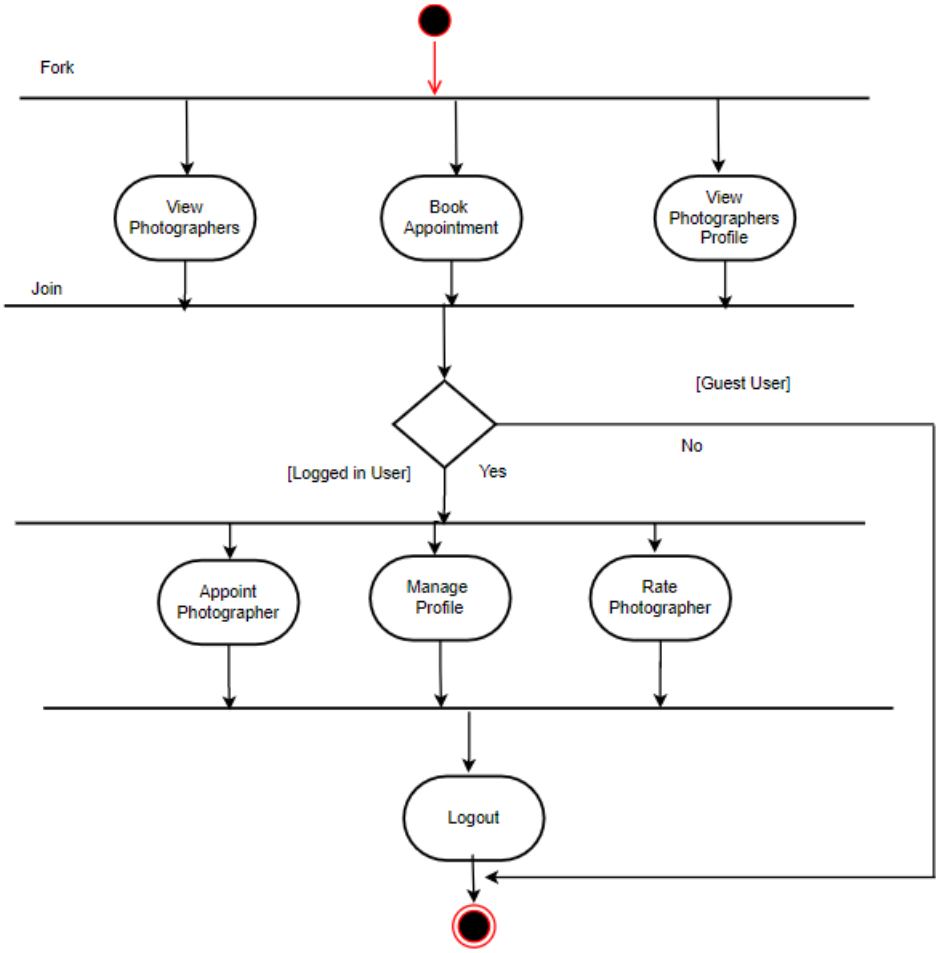
5.2.3 Class Diagram



5.2.4 Activity Diagram
Photographer

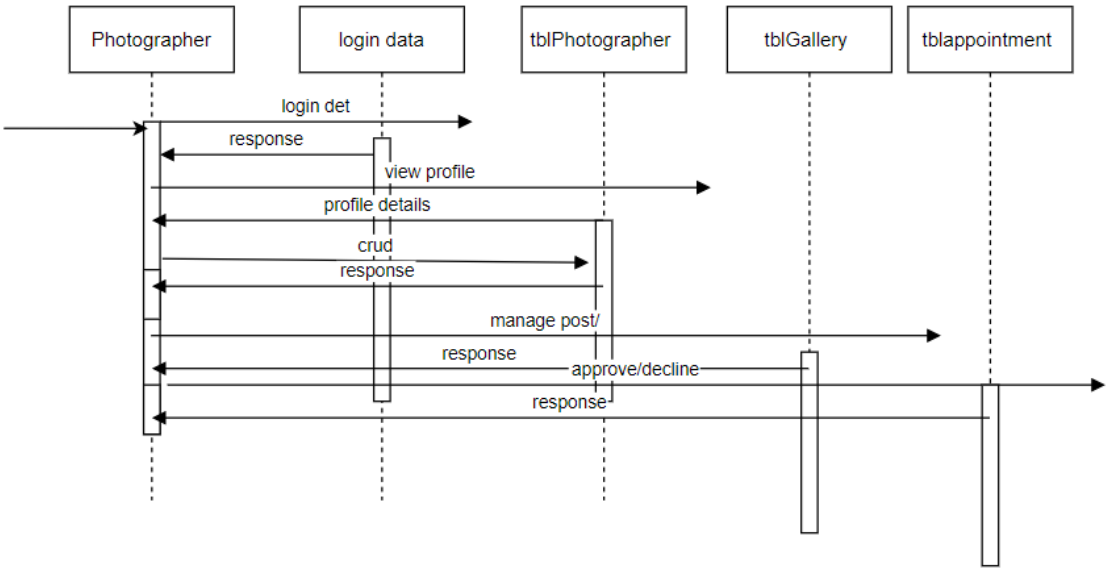


User

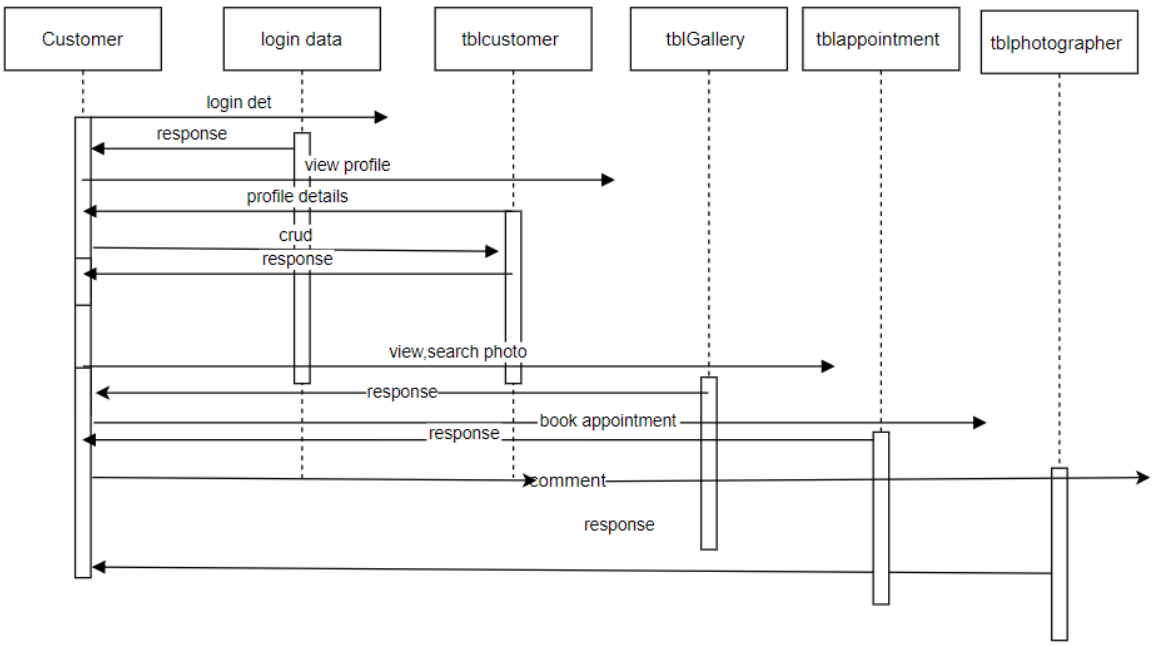


5.2.5 Sequence Diagram

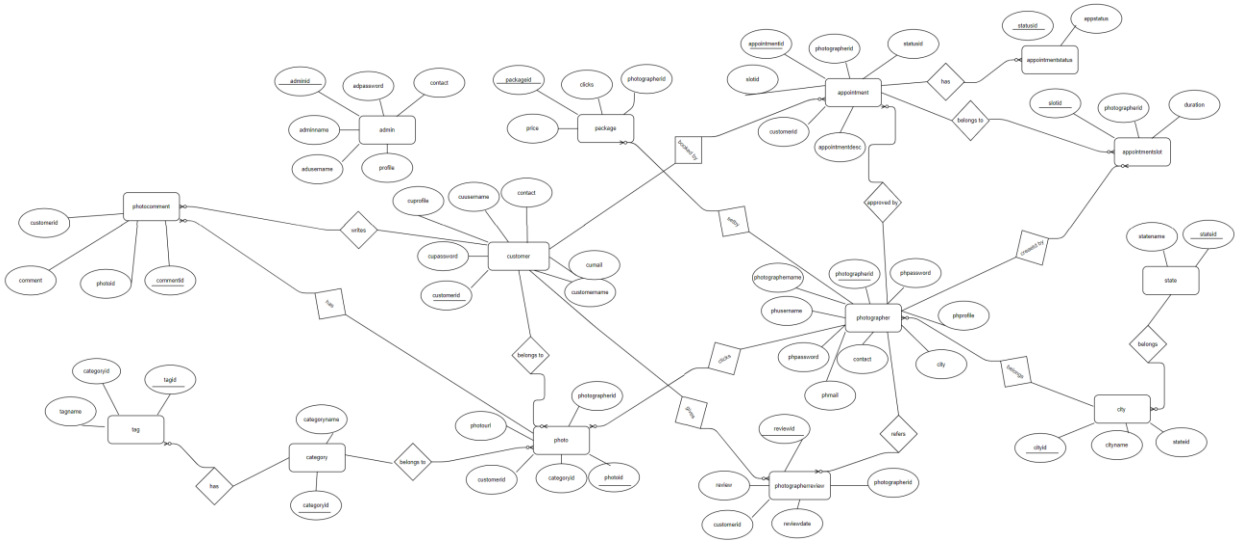
Photographer


Photographer
login data
tblPhotographer
tblGallery
tblappointment
login det
response
view profile
profile details
crud
response
manage post/
response
approve/decline
response

Customer


Customer
login data
tblcustomer
tblGallery
tblappointment
tblphotographer
login det
response
view profile
profile details
crud
response
view,search photo
response
book appointment
response
comment
response

5.3 E-R Diagram



erfinal1.png

6.Software Design

6.1 Database Design

1. **tblphoto**

Column	Type	Size	Constraint	Description
Photoid	Int	11	PK,AI	Photo Identification
Photourl	Varchar	30		PhotoUrl
photographerid	Int	30		Photographerid

Customerid	Int	30	FK	Customer id
Categoryid	Int	100	FK	Categoryid
Contact	Bigint	12		Contact

2.tblcategory

Column	Type	Size	Constraint	Description
categoryid	Int	11	PK,AI	Category identification
Categoryname	Varchar	30		Category Name

4.tbltag

Column	Type	Size	Constraint	Description
Tagid	Int	11	PK,AI	Tagindentification

				Tag
Tagname	Varchar	30		Name
Categoryid	Int	11	FK	Category identification

5.tblphotocomment

Column	Type	Size	Constraint	Description
commentid	Int	11	PK,AI	Photo identification
Photoid	Varchar	30	FK	Photo ID
Comment	Varchar	30		Comment on photo
customerid	Int	30	FK	Customer id

6.tblpackage

Column	Type	Size	Constraint	Description

Packageid	Int	11	PK,AI	Package identification
Price	Varchar	30		Price
Photographerid	Int	30	PK	Photographerid
Clicks	Int	30		Clicks her hour

7.tblappointmentslot

Column	Type	Size	Constraint	Description
Slotid	Int	11	PK,AI	Slot identification
Photographerid	Varchar	30		Photo ID
Duration	Varchar	30		Time

8.tblphotographer

Column	Type	Size	Constraint	Description
Photographerid	Int	11	PK,AI	Photograph identification
photographername	Varchar	30		Photographername

Phusername	Varchar	30		Photographer Username
Phpassword	Varchar	30		Password
Contact	Bigint	30		Contact
Phprofile	Varchar	30		About Profile
Phmail	Varchar	30		Mailid
Cityid	Int	30	FK	City Id

9.tblphotographerreview

Column	Type	Size	Constraint	Description
Reviewid	Int	11	PK,AI	Review identification
review	Varchar	30		Review
Photographerid	Int	30	FK	Photographer ID
customerid	Int	30	FK	Customer id
Review	Date	7		Date

10. tblstate

Column	Type	Size	Constraint	Description
Stateid	Int	11	PK,AI	State identification
statename	Varchar	30		Name

11. tblcity

Column	Type	Size	Constraint	Description
Cityid	Int	11	PK,AI	City identification
cityname	Varchar	30		Name
Stated	Int	11	FK	State id

12.tblappointmentstatus

Column	Type	Size	Constraint	Description
statusid	Int	11	PK,AI	Status identification
appstatus	Varchar	30		Status

13.tblappointment

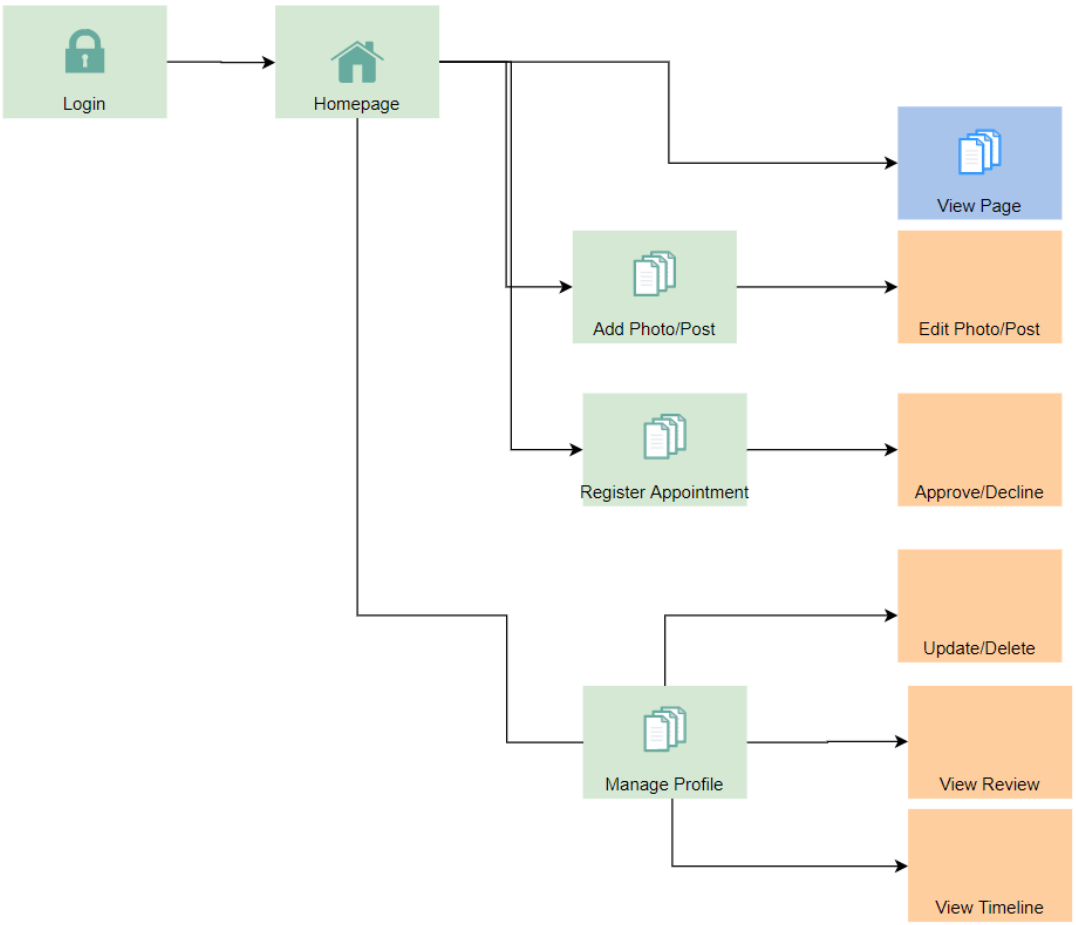
Coumn	Type	Size	Constraint	Description
Appointmentid	Int	11	PK,AI	Appointment identification
Slotid	Int	11	PK	Slot id
Photographerid	Int	30	FK	Photographer ID
customerid	Int	30	FK	Customer id
appointmentdesc	Varchar	30		Description
Statusid	Int	11	FK	Status ID

14. tblcustomer

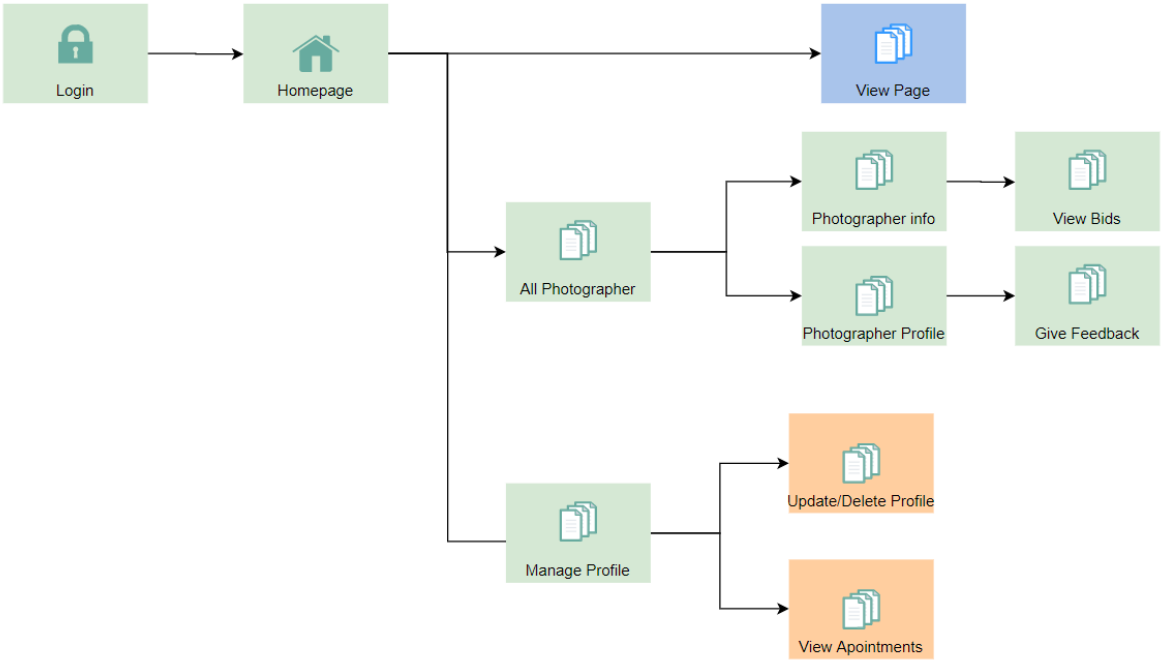
Column	Type	Size	Constraint	Description
customerid	Int	11	PK,AI	Photograph identification
Customername	Varchar	30		Photographername

Cuusername	Varchar	30		Photographer Username
cupassword	Varchar	30		Password
contact	Bigint	30		Contact
cuprofile	Varchar	30		About Profile
cumail	Varchar	30		Mailid
Cityid	Int	30	FK	City Id

Photographer



Customer



7.Testing

7.1 Unit Testing

In Presentation…

7.2 Integration Testing

8.Future Enhancement

8.1 Make this website as Justdial.

8.2 Can use for photographer business.

8.3 Delivery Purpose.

9.Glossary

10.Reference

www.google.co.in,Github
www.youtube.com
dotnet.microsoft.com
tutorialsteacher.com
Greeks of Greeks.