

DAILY STATUS OF POULTRY FARM

submitted by

NAVINKUMAR.P (1P20MC026)

in partial fulfillment of the requirements for the award of the Degree of
Master of Computer Applications from Bharathiar University, Coimbatore.

under the internal supervision of
Dr.G.Pandiyan,M.Sc.,M.Phil.,B.Ed.,Ph.D.,
Associate Professor



School of Computer Studies,
Department of MCA
Rathnavel Subramaniam College of Arts and Science (Autonomous),
Sulur, Coimbatore – 641 402.
July 2021 – November 2021.

RATHNAVEL SUBRAMANIAM COLLEGE OF ARTS AND SCIENCE

(AUTONOMOUS)

Sulur, Coimbatore-641 402

Department of Computer Applications (MCA)

Project work & Viva voce

BonaFide Certificate

This is to certify that this a *bona fide* record of work done by
Mr / Ms

Register No. during the academic year 2021 and submitted for
the End Semester Project viva voce held on

HEAD OF THE DEPARTMENT

STAFF – IN CHARGE

INTERNAL EXAMINER

EXTERNAL EXAMINER

Certificates

CERTIFICATE

This is to certify that the dissertation entitled **DAILY STATUS OF POULTRY FARM**, submitted to the School of Computer Studies, Rathnavel Subramaniam College of Arts and Science in partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications is a record of original project work done by **NAVINKUMAR.P** during the period July 2021 - November 2021 of their study on MCA in the Rathnavel Subramaniam College of Arts and Science, under my internal supervision and the dissertation has not formed the basis for the award of any Degree/Diploma/Associate ship/Fellowship or other similar title to any candidate of any University.

Internal Supervisor

Declaration

DECLARATION

We, **NAVINKUMAR.P**, hereby declare that the dissertation, entitled **DAILY STATUS OF POULTRY FARM**, submitted to the School of Computer Studies, Rathnavel Subramaniam College of Arts and Science, in partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications is a record of original project work done by we during the period **July 2021 - November 2021** under the internal supervision of **Dr.G.Pandiyan, Associate Professor**, Department of Computer Applications and it has not formed the basis for the award of any Degree/Diploma/Associateship/Fellowship or other similar title to any candidate of any University.

Signature of the Candidate

Acknowledgements

ACKNOWLEDGEMENTS

We express our sincere thanks to our Managing trustee **Dr.K.Senthil Ganesh MBA (USA)., MS (UK)., Ph.D.**, for providing us with the adequate of faculty and laboratory resources for completing my project successfully.

We take this as a fine opportunity to express our sincere thanks to **Dr. T. Sivakumar M.Sc., M. Phil., Ph.D., Principal**, Rathnavel Subramaniam College of Arts And Science (Autonomous) for giving me the opportunity to undertake this project.

We express our sincere thanks to **Dr.D.Francis Xavier Christopher., M.Sc(CS)., M.Phil.,Ph.D., Director (Administration), Department of Computer Science** for the help and advice throughout the project.

We express our sincere thanks to **Dr. S. Yamini., M. Sc(CC)., M. Phil., Ph.D., Director (Academic), Department of Computer Science** for her valuable guidance and prompt correspondence throughout the curriculum to complete the project.

We express our sincere thanks to **Mrs. C.Grace Padma., MCA., M.Phil., MBA., Head of the Department** for her support and advice throughout the project.

We express our gratitude to **Dr.G.Pandiyan,M.Sc.,M.Phil.,B.Ed.,Ph.D.**, for his valuable guidance, support, encouragement and motivation rendered by his throughout this project.

Finally, we express our sincere thanks to all other staff members and my dear friends, and all dear and near for helping me to complete this project.

NAVINKUMAR.P

DAILY STATUS OF POULTRY FARM

Abstract

ABSTRACT

This project content represent that, supervising daily status recording, which includes growth, weight and death of poultry. The main perseverance of this application development is to reduce man power and to avoid daily travelling expenses etc.

Using this application development the following item can be verify by the business concern: [User ID- Poultry Owner & Admin ID – Issuer]

- Status of poultry farm can be verify at any time in their own respective location.
- Without any confusion the expected delivery date of poultry can be calculated from the issued date to target date.
- The issuer can compare with other poultry farms and they can assess the exact best performance and can finalize further prompt business.

Frontend Tools/ Technology : React Native

Backend Tools/ Technology : Node

Database Technology : MongoDB

Hosting Environment : //localhost:19002

Node : version": "1.0.0"

React : react": "16.13.1"

React Native : "react-native-web": "~0.13.12"

MongoDB : "mongoose": "^5.10.5"

Git repository link :<https://github.com/Navin-Amma/Eos-case-study.git>

INDEX

S.NO	CONTENT	PAGE NUMBER
1.	Introduction	1
2.	Module description	2
3.	Use cases Diagrams	3
4.	Figma designs – screen shot with name and description	5
5.	Scheme(s) for the App – the complete models	6
6.	APIs for the App (name with description)	9
7.	Testing of API – postman screens	14
8.	User manual – complete app executing procedures (images and screen shots with values)	17
9.	Conclusion and future enhancement	26

Introduction

INTRODUCTION

Poultry farming is the form of animal husbandry which raises domesticated birds such as chickens, ducks, turkeys and geese to produce meat or eggs for food. It has originated from the agricultural era. Poultry – mostly chickens – are farmed in great numbers. More than 60 billion chickens are killed for consumption annually. Chickens raised for eggs are known as layers, while chickens raised for meat are called broilers.

This project content represent that, supervising daily status recording, which includes growth, weight and death of poultry. The main perseverance of this application development is to reduce man power and to avoid daily travelling expenses etc.

Using this application development the following item can be verify by the business concern: [User ID- Poultry Owner & Admin ID – Issuer]

- Status of poultry farm can be verify at any time in their own respective location.
- Without any confusion the expected delivery date of poultry can be calculated from the issued date to target date.
- The issuer can compare with other poultry farms and they can assess the exact best performance and can finalize further prompt business.

Module Description

MODULE DESCRIPTION

This project content contains following modules:

- Import session [New User Registration]
- Status Upload & Check Status [Using Client & Admin Login]
- Export (After Maintained)
- Payment processing mode [Payment through Online]

IMPORT SESSION [NEW USER REGISTRATION]

Dealers will verify the farm after verification, they will import poultry to the farm using transport. Using user registration screen the new user can be enroll into the dealers portal.

STATUS UPLOAD & CHECK STATUS [USING CLIENT & ADMIN LOGIN]

Poultry farm owner can be upload their daily status through online as well the dealers can check farm wise status using admin portal.

EXPORT (AFTER MAINTAINED)

Maintained days to be done by the client dealers are take over the poultry to their company using transport.

PAYMENT PROCESSING MODE [PAYMENT THROUGH ONLINE]

Dealers will check total numbers of death, living and the maintained status on poultry based on that the payments can be credited to the client account.

Use cases Diagrams

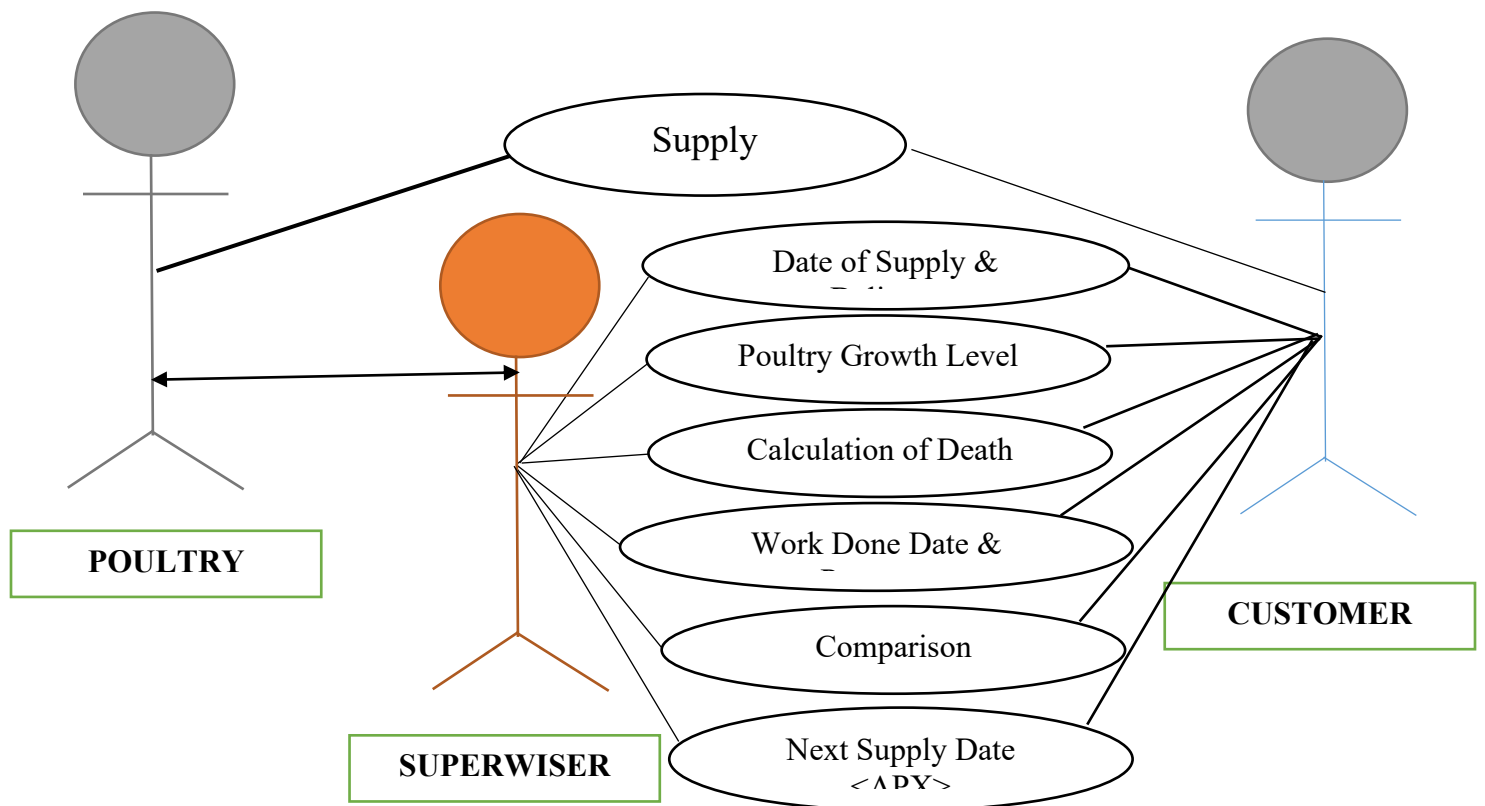
USE CASES DIAGRAMS

A **UML** use case diagram is the primary form of system/software requirements for a new software program underdeveloped. Use cases specify the expected behaviour (what), and not the exact method of making it happen (how). Use cases once specified can be denoted both textual and visual representation. A key concept of use case modelling is that it helps us design a system from the end user's perspective. It is an effective technique for communicating system behaviour in the user's terms by specifying all externally visible system behaviour.

A use case diagram is usually simple. It does not show the detail of the use cases:

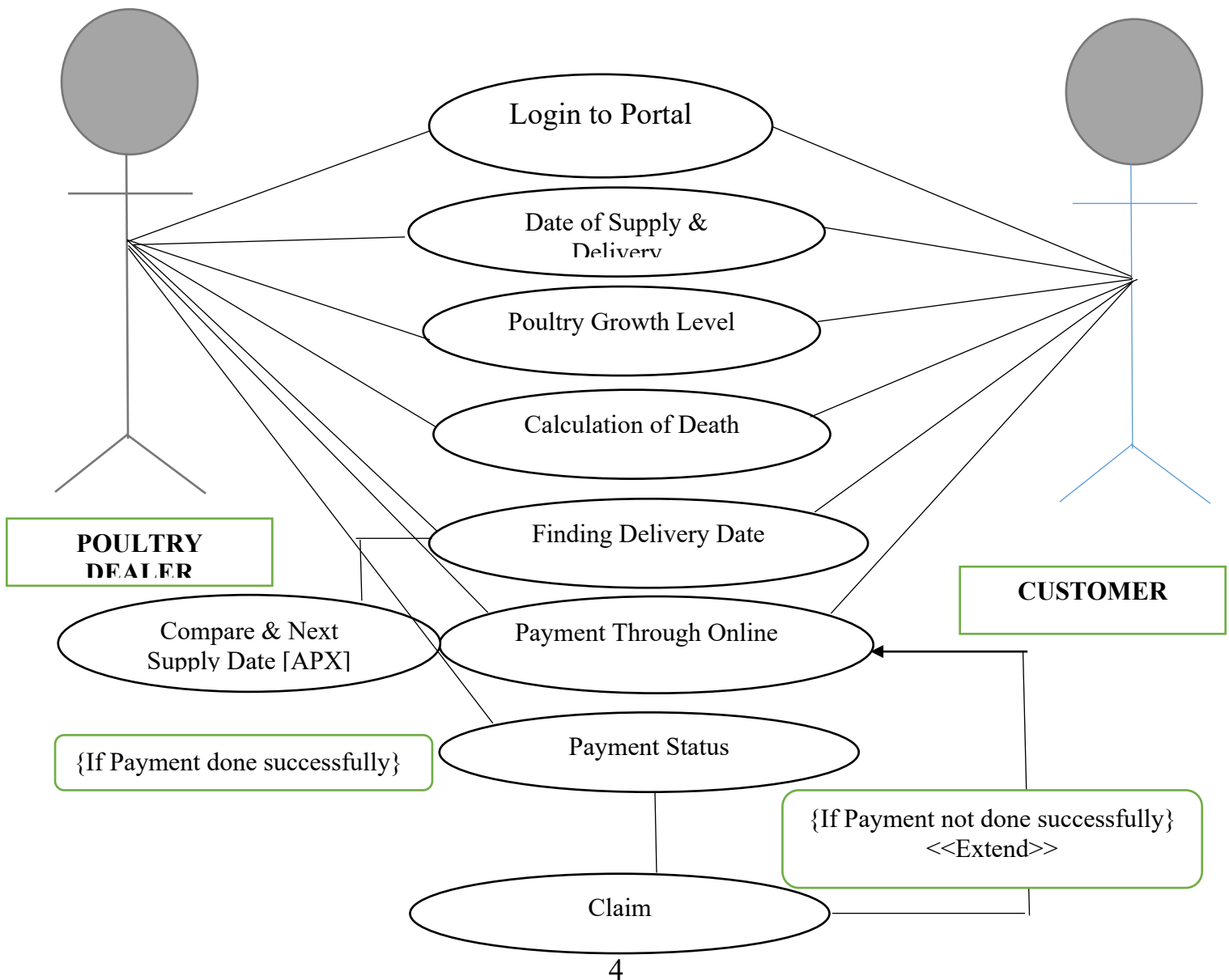
- It only summarizes **some of the relationships** between use cases, actors, and systems.
- It does **not show the order** in which steps are performed to achieve the goals of each use case.

USE CASE DIAGRAM FOR AT PRESENT WORK



FEW DISADVANTAGES OF PRESENT WORK:

- Manual date calculation may get wrong
- Manual Growth & Death Calculation may get a wrong calculation
- Petrol expenses for super wiser
- Salary for Super wiser
- Payment through Super wiser may not be an exact.
- If super wiser unable to come for a survey, we couldn't update the status to the dealer.



Figma Designs

FIGMA DESIGNS

Figma is one of the most revolutionary graphics editing apps that's taking over the design world by storm. What makes it so attractive is the fact that it's free to use.

DESCRIPTION OF FIGMA DESIGNS

SCREEN NO 1: ADVERTISEMENT ABOUT DEALER & LOGIN:

It represents the advertisements about the dealers, using this the customer can easily know about the company. The login screens are used to register a new customer, existing customers & admin can login.

SCREEN NO 2: IF NEW CLIENT ENTERED NEED TO REGISTER:

If the new client comes to the company to take poultry, they can register themselves using register screen. The client should enter their mail id, name, contact no etc.

SCREEN NO 3: CLIENT LOGIN PAGE:

Once the customer register with their information they can login to update their status of the poultry (Death, balance, dates yet to complete etc.).

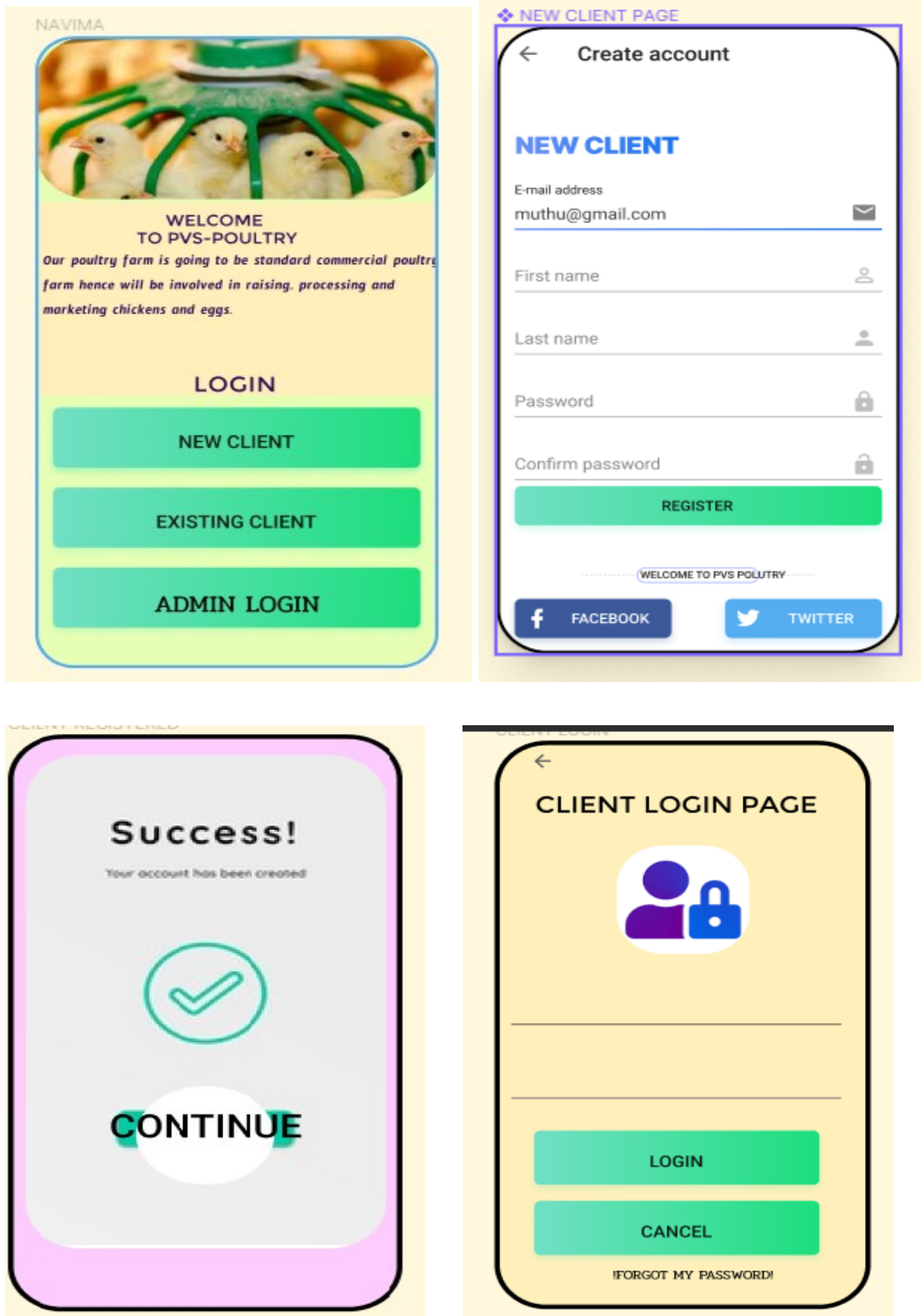
SCREEN NO 4: ADMIN LOGIN PAGE:

Dealers can check all of their customer status by their individual id. So, through the online update dealers can get instant update from their client.

SCREEN NO 5: PAYMENT MODE & AMOUNT CREDIT TO DEALER:

Completion of the poultry maintained, the dealers can check the status of poultry and they will credit the wages to their customer bank account number through online.

SCREEN SHOTS OF FIGMA DESIGNS



ADMIN LOGIN PAGE

←

ADMIN LOGIN PAGE

LOGIN

CANCEL

!FORGOT MY PASSWORD!

Admin Status View Page

PVS DEALERS

SELECT CLIENT NAME:

NAVIN POLTRY

▼

VIEW STATUS

→

Date	Name of the Poultry	No of Growth	No.cf Deatl
17-07-2021	NAVIN POULTRY	50000	0
18-07-2021	NAVIN POULTRY	45500	500
19-07-2021	NAVIN POULTRY	45250	250
20-07-2021	NAVIN POULTRY	45000	250
21-07-2021	NAVIN POULTRY	45900	100

READY TO PAY

Admin_Payment Mode

DEALER'S PAYMENT PORTAL

CUSTOMER NAME : P.NAVINKUMAR

CUSTOMER ACCOUNT NUMBER :

**** * 4747

CHANGE

ENTER AMOUNT TO BE CREDIT:

\$1,00,000

PAYMENT STATUS

PAYMENT IN PROCESS

CHECK BALANCE

PAYMENT CREDIT

SHARE TRANSACTION BILL

Yes

Payment Receipt

N

P.NAVINKUMAR

\$1,00,000

✓

Completed Jul 20,2021

STATE BANK OF INDIA

**** * 4747

▼

UPI TRANSACTION ID

ICICI23456789000

TO

*****4747

FROM : PVS POULTRY (ICICI BANK)

ICICI TRANSCATION ID :

AYNP1119900

Scheme(s) for the App

SCHEME(S) FOR THE APP

ADMIN:

```
const AdminLoginSchema = new mongoose.Schema({
  email: {
    type: String,
    lowercase: true,
    trim: true,
    index: true,
    unique: true,
    sparse: true,
    required: true,
    validate: [
      validator({
        validator: 'isEmail',
        message: 'Not a valid email.',
      })],
  },
  password: {
    type: String,
    default: true
  },
}, {timestamps: true})
```

DEALER:

```
const DealerLoginSchema = new mongoose.Schema({
  dealer_id: {
    type: String
  },
  mobile_num: {
    type: Number
  },
  email: {
    type: String,
    lowercase: true,
    trim: true,
    index: true,
    unique: true,
    sparse: true,
    required: true,
    validate: [
      validator({
```

```

        validator: 'isEmail',

        message: 'Not a valid email.',
    }]),
    },
}, {timestamps: true})

```

NEW CUSTOMER:

```

const NewCustomerSchema = new mongoose.Schema({

    name: {
        type:String ,
        required:true,
    },
    email: {
        type:String,
    },
    present_address: {
        type:String
    },
    mobile_no: {
        type:Number
    },
    customer_Id: {
        type:String,
        default:true
    },
    New_Customber_Verify: {
        type:CharacterData,
        default:"Verified"
    },
    password: {
        type:Number
    },
}, {timestamps: true})

```

STATUS UPLOAD SCHEMA

```
const Schema = mongoose.Schema;
let StatusUploadSchema =Schema({

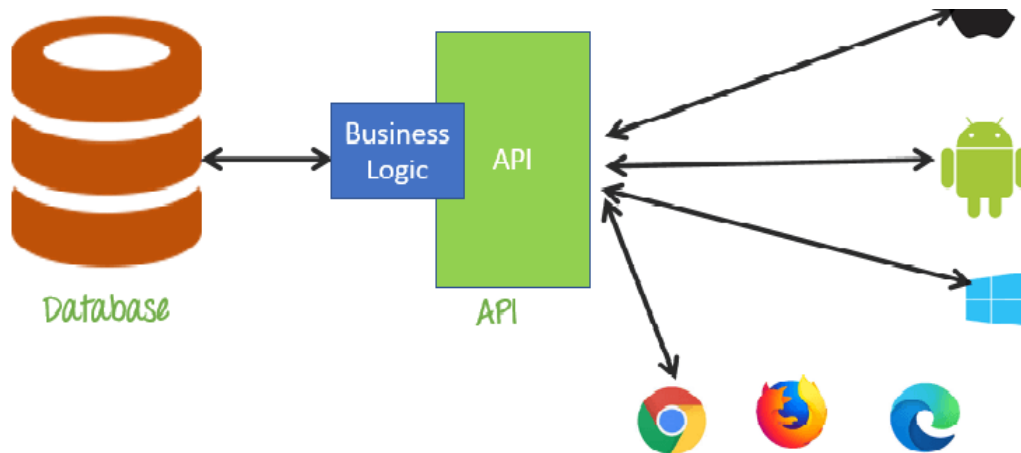
  polutry_name:{
    type:String,
    unique: true,
  },

  NoofImport: {
    type:Boolean,
    default:false,
  },
  NoofGrowth: {
    type:Boolean,
    default:true
  },
  Noofdeath: {
    type:Boolean,
    default:true
  },
  Dateofexport: {
    type:Date,
    default:true
  },
  DaysToBe_Maintain: {
    type:Number,
    default:false
  }
},{timestamps: true})
```

API for the App

API FOR THE APP

Application Programming Interface (API) is a software interface that allows two applications to interact with each other without any user intervention. API is a collection of software functions and procedures. In simple terms, API means a software code that can be accessed or executed. API is defined as a code that helps two different software's to communicate and exchange data with each other.



API FOR THE APP:

// API DAILY STATUS OF POULTRY FARM

```
const express = require('express')
const router = express.Router()
const AdminLoginController = require('../controllers/AdminLoginController');
// const DealerLoginController = require('../controllers/DealerLoginController');
const NewCustomerController = require('../controllers/NewCustomerController');
// const StatusUploadController = require('../controllers/StatusUploadController');
```

1. ADMIN LOGIN [Modules]

"http://localhost:19002/api/ AdminLogin"

- Here this testing that will evaluate admin id, and their password.

2. DEALER LOGIN

"http://localhost:19002/api/ DealerLogin "

- This API link that represent, dealer login id & password.

3. NEW CUSTOMER

"http://localhost:19002/api/ NewCustomer"

- New Customer API test that represents and test, Name, Email address, Present address, Mobile number, code, password as well confirm password of the user.

4. STATUS UPLOAD

"http://localhost:19002/api/ StatusUpload"

- Status upload API test that will evaluate Poultry name, Total no of import, Total no of growth, Total no of death, days to be maintain etc.

Testing of API – Postman Screens

TESTING OF API

Testing is the process of evaluation a software item to detect differences between given input and expected output. Also to assess the feature of a software item. Testing assesses the quality of the product. Software testing is a process that should be done during the development process. In other words software testing is a verification and validation process.

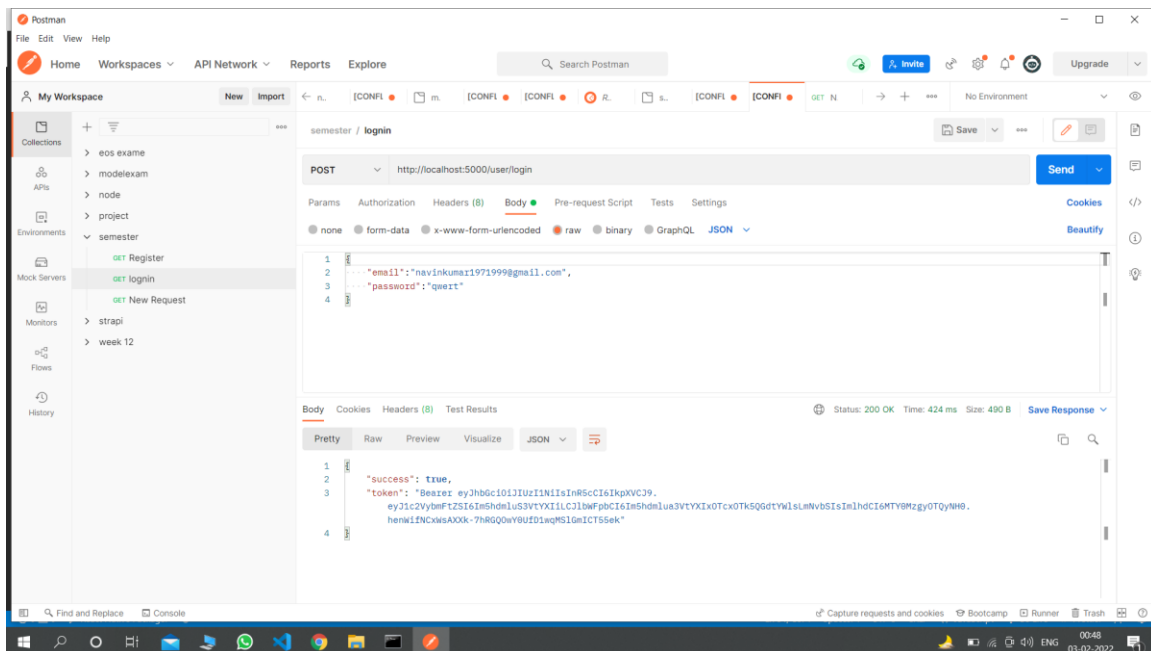
VERIFICATION / AUTHENTICATION

Verification is the process to make sure the product satisfies the conditions imposed at the start of the development phase. In other words, to make sure the product behaves the way we want it to.

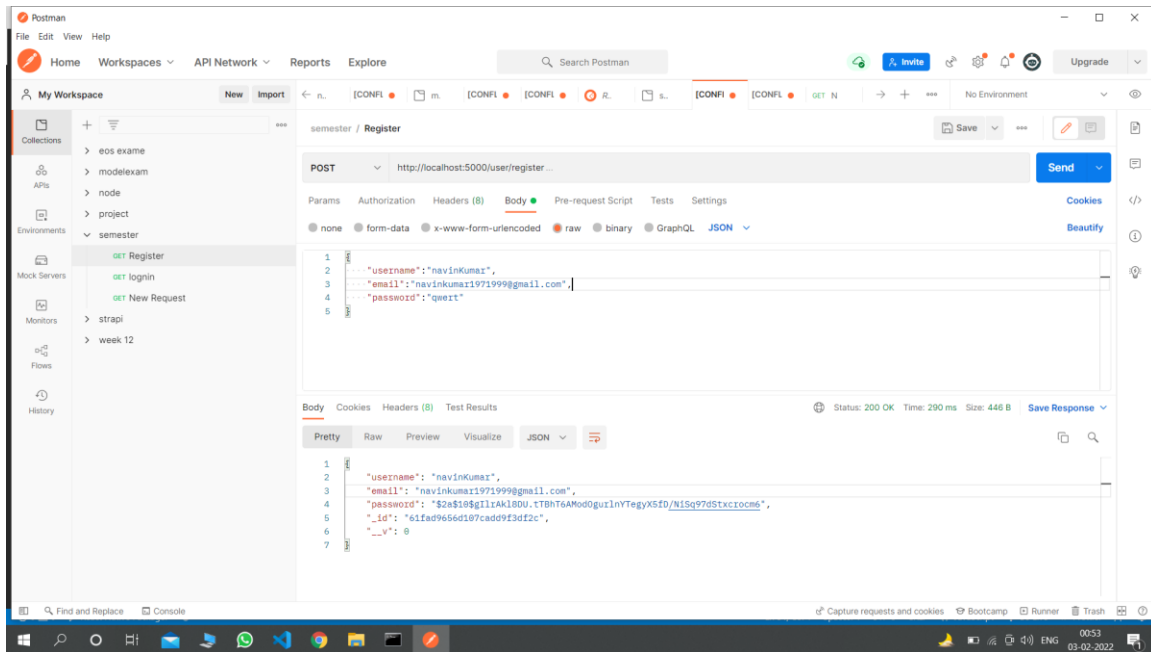
VALIDATION / AUTHORIZATION

Validation is the process to make sure the product satisfies the specified requirements at the end of the development phase. In other words, to make sure the product is built as per customer requirements.

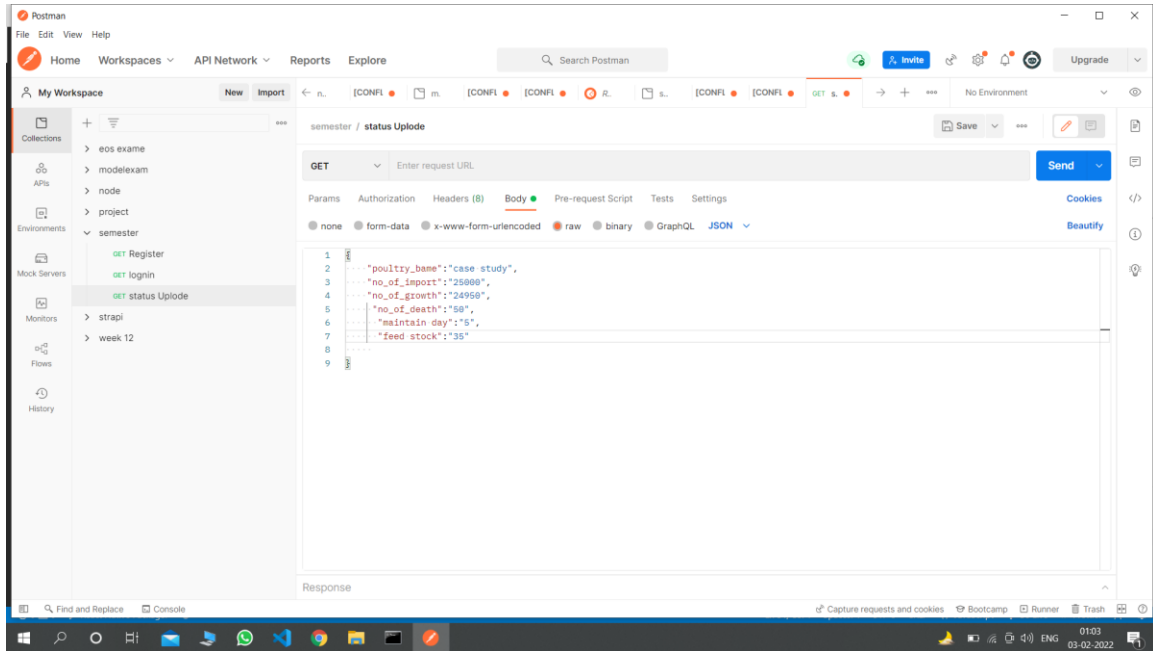
POSTMAN SCREENS: ADMIN LOGIN



NEW CUSTOMER



STATUS UPLOAD



User Manual

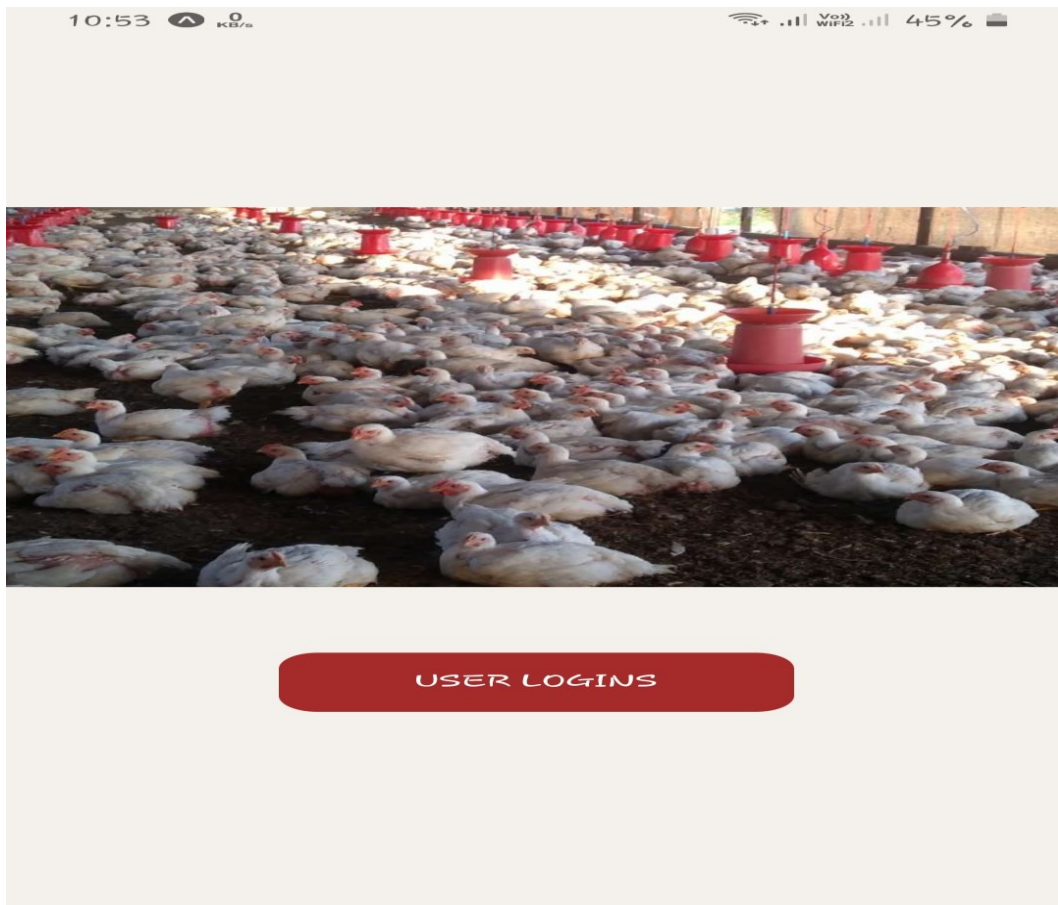
USER MANUAL

A user manual, or user guide, is a technical communication document that is designed to educate users on a particular product. Produced in print or digitally, they can be written about almost any product, but are most common with computer software and hardware, electronic devices, and video games.

Usually written by technical writers or product designers, its purpose is to inform users and help them solve any problems pertaining to the product. As a vital component of product distribution, the quality of your manual can heavily impact the overall customer experience, which is why you want to get it right!

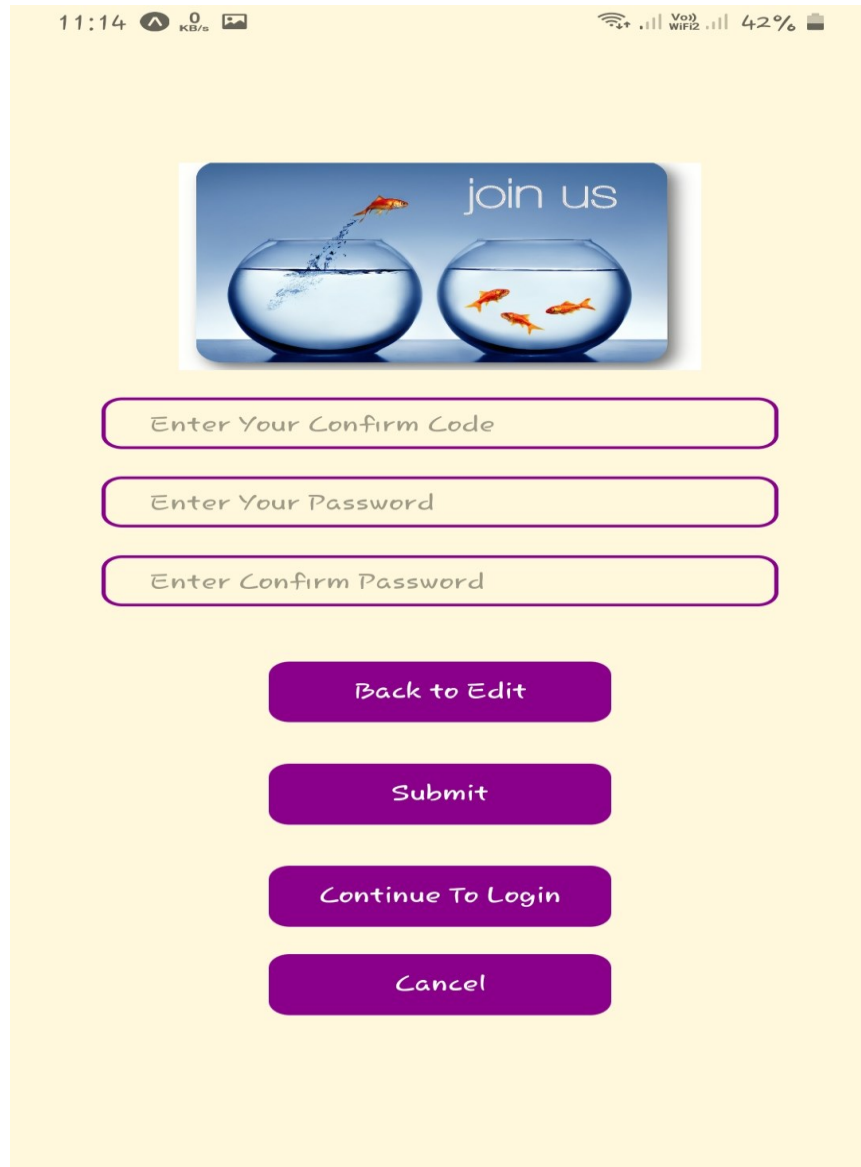
COMPLETE APP EXECUTING PROCEDURES & SCREENS:

SCREEN NO 1: WELCOME SCREEN

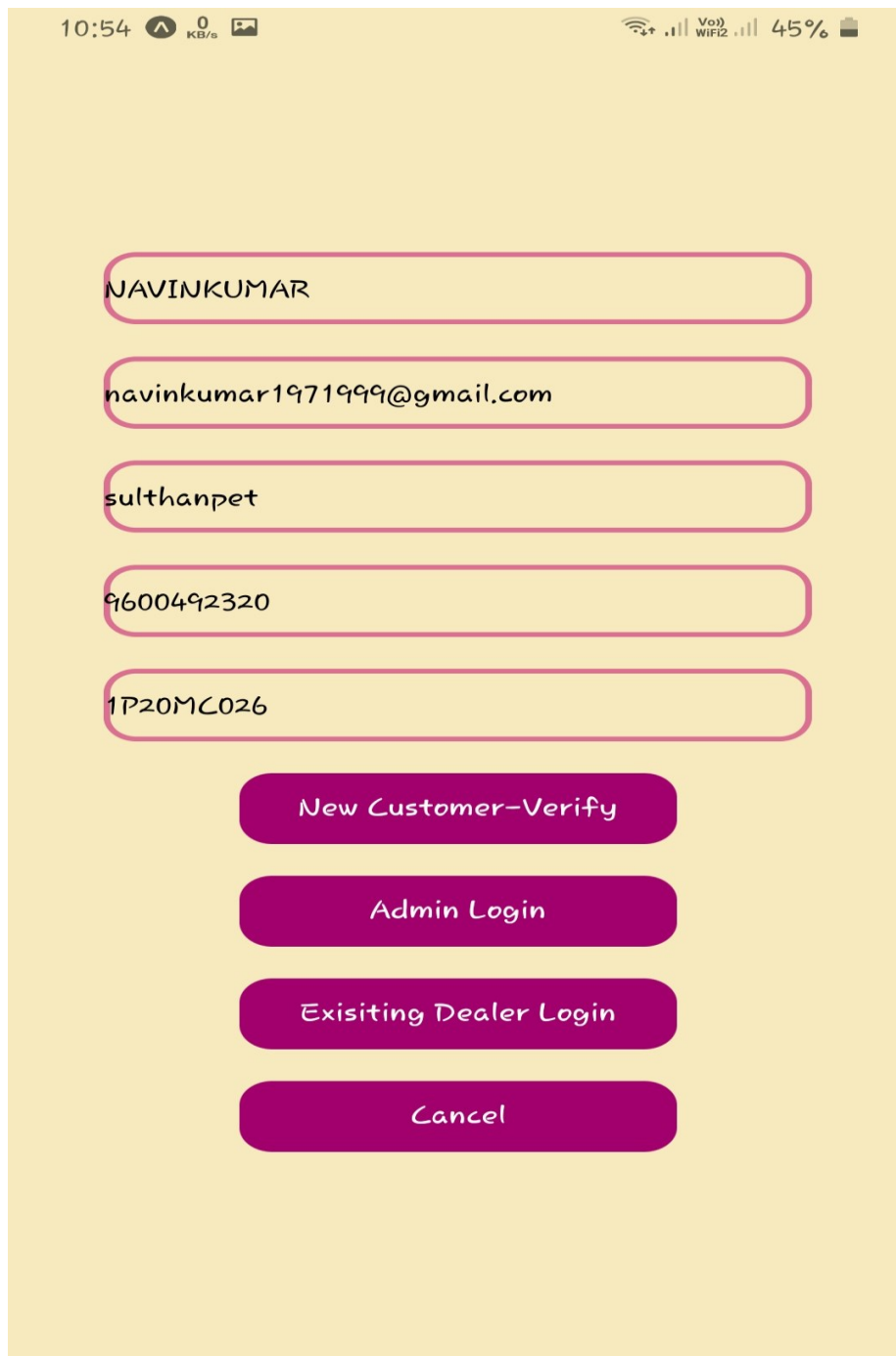


- Its represents the advertisement of the company which we import poultry to farm.
- USER LOGINS used for New Customer Register / Existing Dealer Login / Admin Login etc...

SCREEN NO 2: REGISTRATION SCREEN



The registration screen features a light yellow background. At the top, a status bar shows the time 11:14, 0 KB/s, and 42% battery. Below the status bar is a blue rectangular graphic with the text "join us" in white. The graphic depicts two goldfish bowls; the left one has a goldfish jumping out, and the right one has three goldfish. Below this graphic are three white input fields with purple borders, each containing a placeholder text: "Enter Your Confirm Code", "Enter Your Password", and "Enter Confirm Password". At the bottom, there are four purple buttons with white text: "Back to Edit", "Submit", "Continue To Login", and "Cancel".



A screenshot of a mobile application interface for user authentication. The screen has a light yellow background. At the top, there is a status bar with the time 10:54, a small icon, 0 KB/s, and a battery icon. On the right side of the status bar, there are icons for Wi-Fi, cellular signal, VoWiFi, and a battery level of 45%. Below the status bar, there are five rounded rectangular input fields with pink borders, each containing text. The first field contains 'NAVINKUMAR', the second 'navinkumar1971999@gmail.com', the third 'sulthanpet', the fourth '9600492320', and the fifth '1P20MC026'. Below these fields, there are four rounded rectangular buttons with a dark pink background and white text. The buttons are labeled 'New Customer-Verify', 'Admin Login', 'Existing Dealer Login', and 'Cancel' from top to bottom.

10:54 0 KB/s 45%

NAVINKUMAR

navinkumar1971999@gmail.com

sulthanpet

9600492320

1P20MC026

New Customer-Verify

Admin Login


Existing Dealer Login

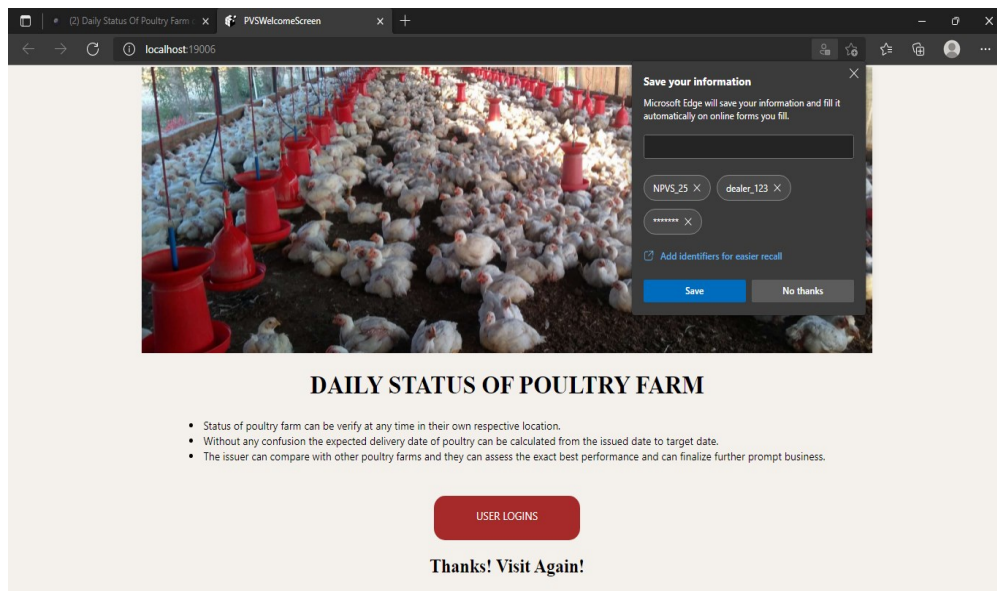
Cancel

- Using this screen New Customer Register / Existing Dealer Login / Admin Login.
- Using New Customer Verify button new user can register themselves.

SCREEN NO 3: OTP SCREEN

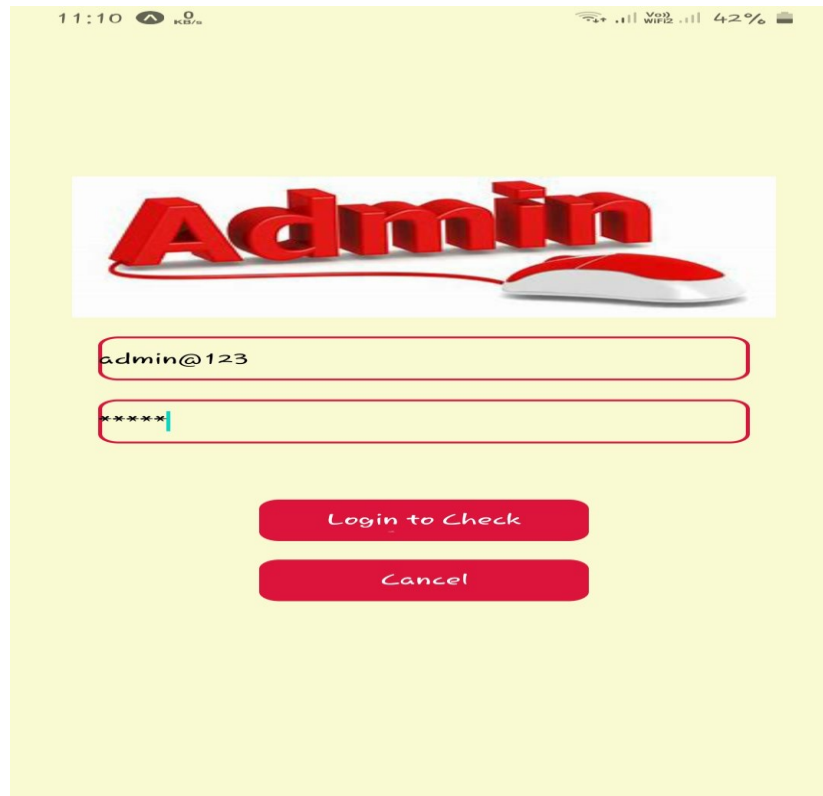
11:12 0 KB/s 42%





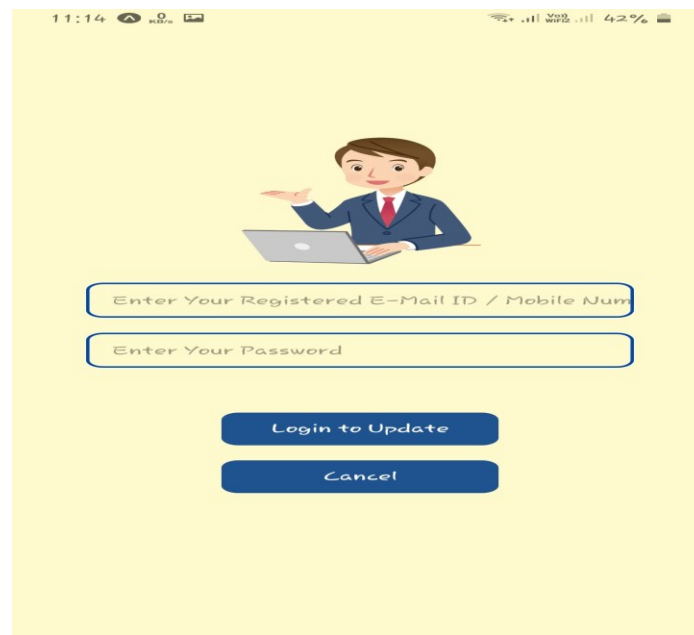
- New Customer can enrol their user name & password to Login.
- Once the registration process gets over the user can login to update their poultry status to the dealers.
- Once we created new customer registration process, in home screen we may receive an alert message that to save password / not.

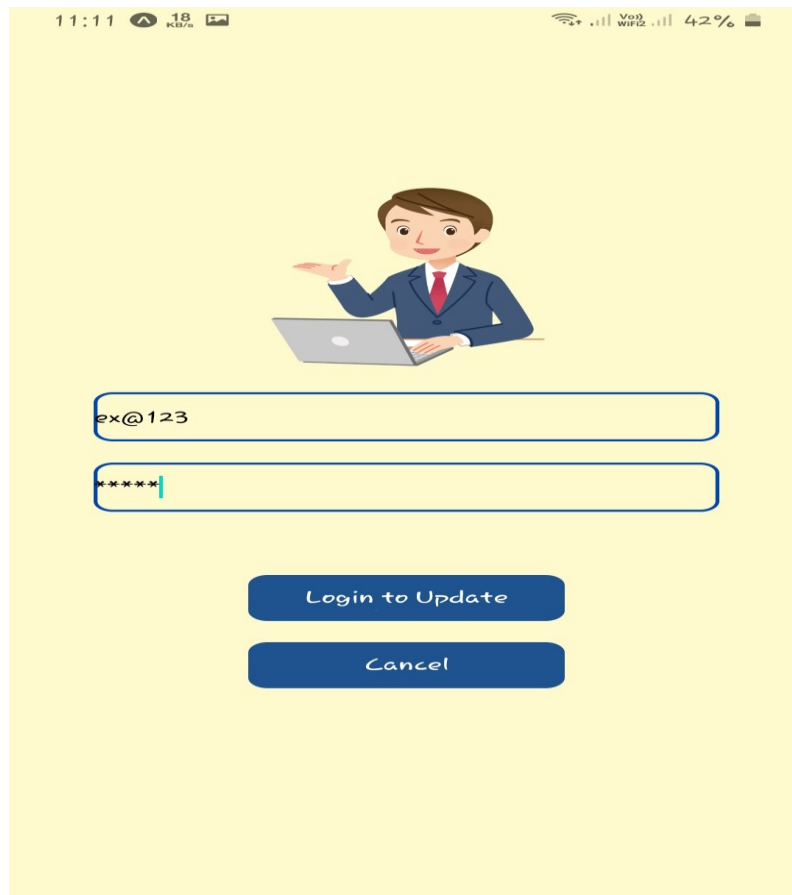
SCREEN NO 4: ADMIN SCREEN



- Using Admin Login Screen, admin can login and they can check their customer poultry status.

SCREEN NO 5: EXISTING CUSTOMER LOGIN SCREEN






- Using Existing Customer Login Screen, customer can login and they can update their poultry status.

SCREEN NO 6: CUSTOMER STATUS UPLOAD PAGE

- Using this screen user can upload their poultry status. If any mistakes done by the customer they edit using Edit Submitted Info Button else they are not willing to update their status at the movement they can click Cancel.

11:14 0 KB/s 42%



Enter Your Polutry Name:

Enter Total.No.of.Import:

Enter Total.No.of.Growth:

Enter Total.No.of.Death:

No.of Days to be Maintain:

Date to be Import:

Submit to Dealer Edit Submitted Info

Cancel

10:59 0 KB/s 44%



navin spt

25200

24850

350

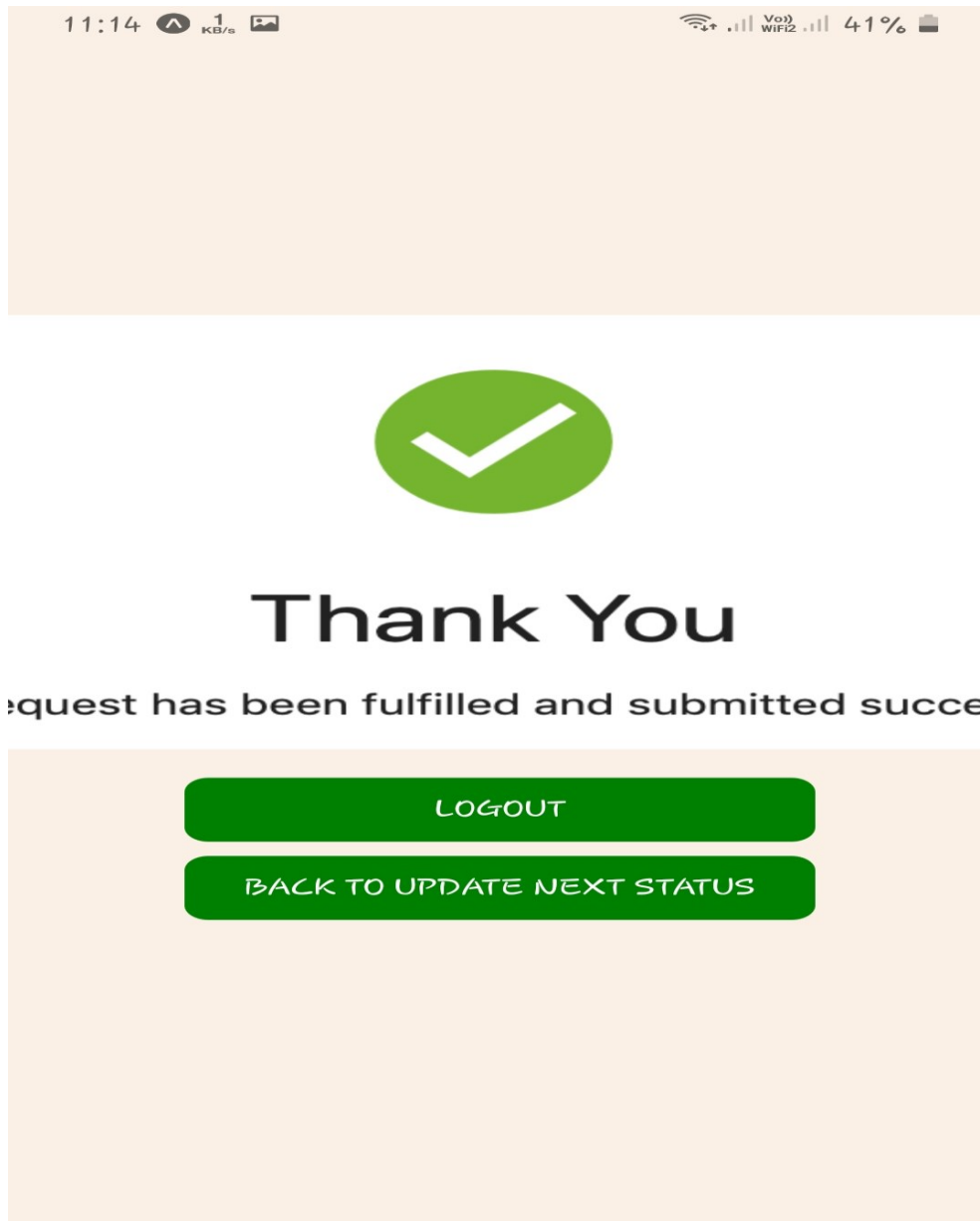
21

30/01/2022

Submit to Dealer Edit Submitted Info

Cancel

SCREEN NO 7: SUCCESSFUL SUBMISSION



- Once the customer uploaded their status, the records will move to the admin.
- After Submission if the user wish to logout they can click Logout button/ they can click Back to Update Next Status to upload next status.

Conclusion and Future Enhancement

CONCLUSION AND FUTURE ENHANCEMENT

This project content represent that, supervising daily status recording, which includes growth, weight and death of poultry. The main perseverance of this application development is to reduce man power and to avoid daily travelling expenses etc.

At the same time in our present project development, we couldn't concentrate on proceeding notification of each activity, so that the future enhancement may consider to proceed with notifications of the activities from the dealer side as well the customer side too. In future, using the video technology we can include the live session to the dealer to check their poultry status in a daily basis or weekly wise.