



**SCHOOL OF COMPUTING
UNIVERSITI UTARA MALAYSIA**

STIA1123 PROGRAMMING 2

PROJECT (30%)

FIRST SEMESTER SESSION 2019/2020 (A191)

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TABLE OF CONTENTS

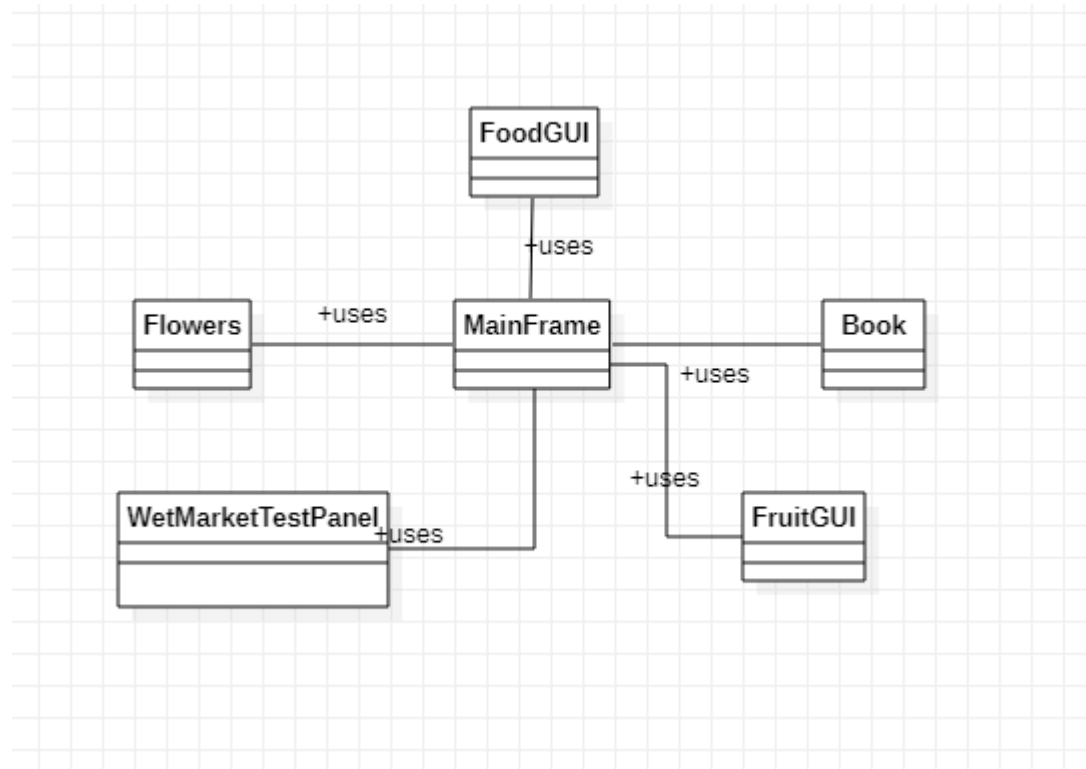
1.0 BACKGROUND OF THE PROJECT	1
2.0 UML CLASS DIAGRAM	2
2.1 MAINFRAME CLASS.....	3
2.2 WET MARKET TEST.....	4
2.3 FRUIT	7
2.3 FLOWER.....	10
2.4 BOOK	10
2.5 FOOD	11
3.0 PROGRAM DESCRIPTIONS.....	12
3.1 WET MARKET TEST.....	12
3.2 FRUIT SUPPLY	15
3.3 FLOWER.....	19
3.4 BOOK	26
3.5 FOOD	32
4.0 THE CODE	34
5.0 THE SAMPLE RUN.....	35
6.0 REFERENCES	40

1.0 BACKGROUND OF THE PROJECT

We started this project of Green-vid to provide an insight into the correlation between environment and COVID-19. While doing this project, we further broke down the topic of the environment into subtopics such as Animal (Wet Market Test), Fruit(Fruit Supply), Flower(Health Treatment), Book (book sales report) and Food (COVID-19 affect Food). This helped to delineate the relationship between specific aspects of the environment and the COVID-19 virus. This app was designed with various purposes firstly to help people to be able to gain access to information more accessible, secondly to get people's need done easier. These are unprecedented times, and The environment has unequivocally been affected by these changes, both in positive and negative ways. We believe it is imperative that society is aware of how COVID-19 and the environment are intertwined."

2.0 UML CLASS DIAGRAM

Mainframe is the frame that holds our contents.

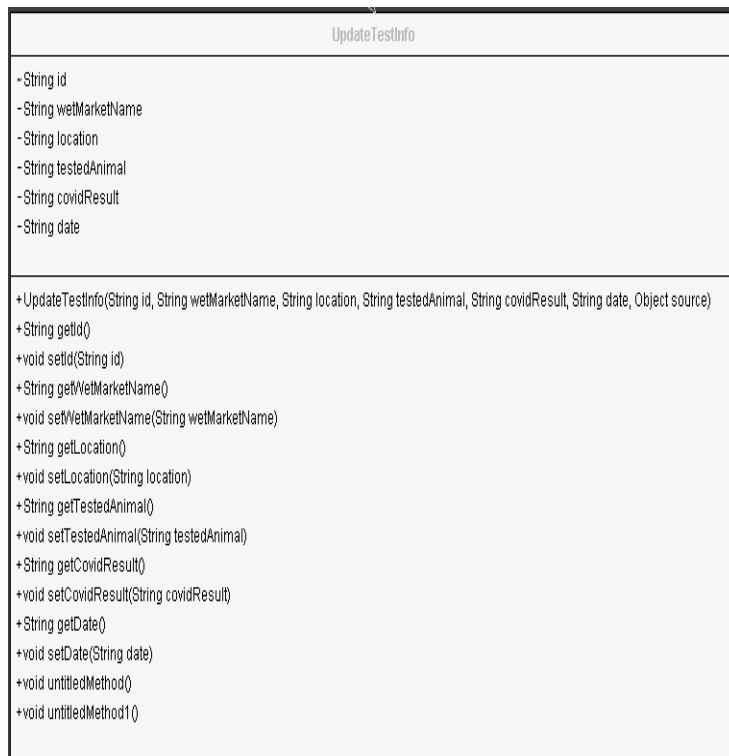


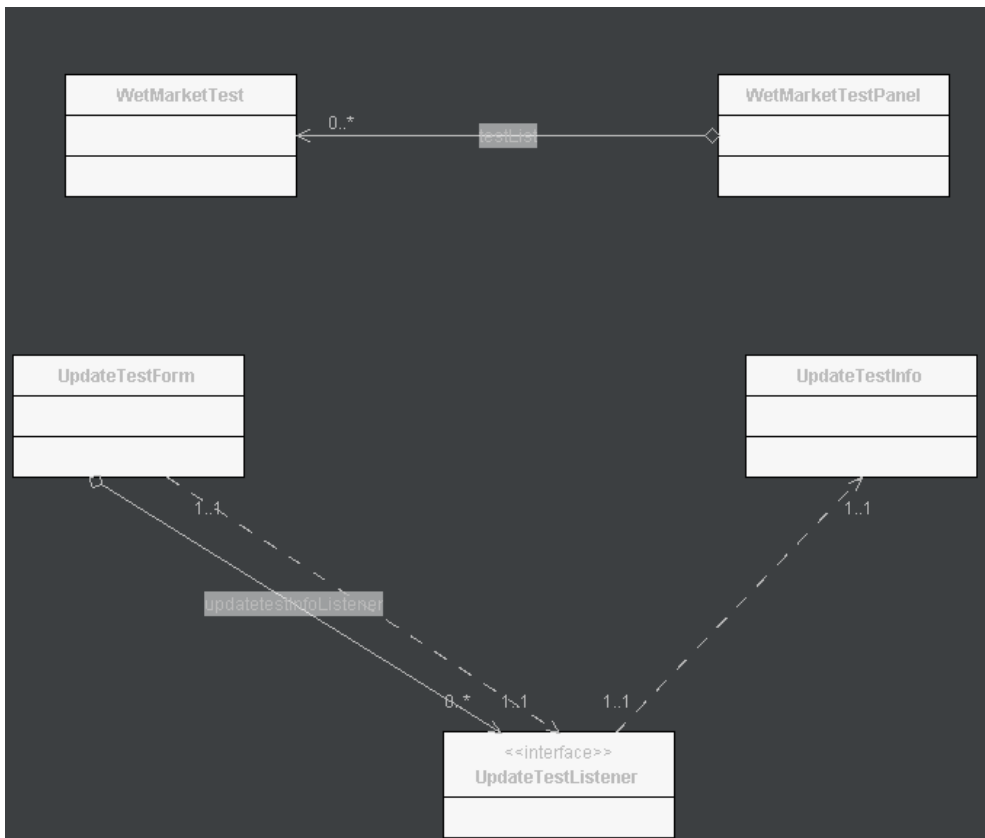
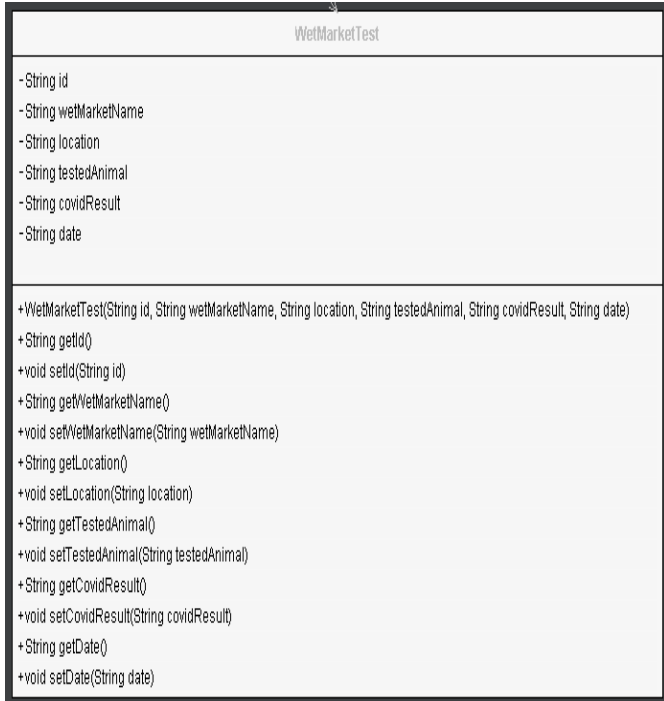
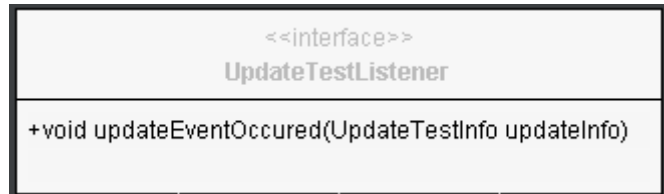
2.1 MAINFRAME CLASS

MainFrame
<pre>-JPanel basePanel -JPanel bookBtn -JPanel bookPanel -ButtonGroup buttonGroup1 -JPanel contentPanel -JPanel exitBtn -JPanel flowerBtn -JPanel flowersBasePanel -JPanel foodBtn -JPanel foodPanel -JPanel fruitBasePanel -JPanel fruitBtn -JLabel jLabel1 -JLabel jLabel10 -JLabel jLabel11 -JLabel jLabel12 -JLabel jLabel14 -JLabel jLabel18 -JLabel jLabel19 -JLabel jLabel2 -JLabel jLabel7 -JLabel jLabel8 -JLabel jLabel9 -JPanel menuPanel -JPanel wetMarketBasePanel -JPanel wetMarketBtn</pre>
<pre>+MainFrame() -// <editor-fold defaultstate="collapsed" desc="Generated Code">#GEN-BEGIN: initComponents void initComponents() -void wetMarketBtnMouseClicked(MouseEvent evt) -void wetMarketBtnMouseEntered(MouseEvent evt) -void wetMarketBtnMouseExited(MouseEvent evt) -void wetMarketBtnMousePressed(MouseEvent evt) -void wetMarketBtnMouseReleased(MouseEvent evt) -void fruitBtnMouseClicked(MouseEvent evt) -void fruitBtnMouseEntered(MouseEvent evt) -void fruitBtnMouseExited(MouseEvent evt) -void fruitBtnMousePressed(MouseEvent evt) -void fruitBtnMouseReleased(MouseEvent evt) -void flowerBtnMouseClicked(MouseEvent evt) -void flowerBtnMouseEntered(MouseEvent evt) -void flowerBtnMouseExited(MouseEvent evt) -void flowerBtnMousePressed(MouseEvent evt) -void flowerBtnMouseReleased(MouseEvent evt) -void bookBtnMouseClicked(MouseEvent evt) -void bookBtnMouseEntered(MouseEvent evt) -void bookBtnMouseExited(MouseEvent evt) -void bookBtnMousePressed(MouseEvent evt) -void bookBtnMouseReleased(MouseEvent evt) -void foodBtnMouseClicked(MouseEvent evt) -void foodBtnMouseEntered(MouseEvent evt) -void foodBtnMouseExited(MouseEvent evt) -void foodBtnMousePressed(MouseEvent evt) -void foodBtnMouseReleased(MouseEvent evt) -void exitBtnMouseClicked(MouseEvent evt) -void exitBtnMouseEntered(MouseEvent evt) -void exitBtnMouseExited(MouseEvent evt) -void exitBtnMousePressed(MouseEvent evt) -void exitBtnMouseReleased(MouseEvent evt) +static void main(String args)</pre>

2.2 WET MARKET TEST

WetMarketTestPanel	
<pre> -List<WetMarketTest> testList -String USERNAME -String PASSWORD -JButton addBtn -JPanel addPanel -JPanel addWetMarketPanel -JButton barChartBtn -ButtonGroup buttonGroup1 -DateChooserCombo dateChooserCombo1 -JLabel helloLabel -JTextField idField -JButton jButton1 -JLabel jLabel1 -JLabel jLabel10 -JLabel jLabel11 -JLabel jLabel13 -JLabel jLabel15 -JLabel jLabel16 -JLabel jLabel3 -JLabel jLabel4 -JLabel jLabel5 -JLabel jLabel6 -JLabel jLabel7 -JLabel jLabel8 -JLabel jLabel9 -JRadioButton jButton1 -JRadioButton jButton2 -JScrollPane jScrollPane1 -JTable jTable1 -JTextField locationField -JButton loginBtn -JLabel loginNotifier -JPanel loginPanel -JLabel logoutBtn -JButton nextStatisticBtn -JPasswordField passwordField -JButton removeBtn -JPanel statPanel -JTextField testedAnimalField -JButton updateBtn -JTextField usernameField -JTextField wetMarketNameField </pre>	<pre> updateTestInf </pre>
<pre> +WetMarketTestPanel() -void showData() +void saveToFile() +void loadFromFile() -// <editor-fold defaultstate="collapsed" desc="Generated Code">#GEN-BEGIN: initComponents void initComponents() -void nextStatisticBtnActionPerformed(ActionEvent evt) -void jButton1ActionPerformed(ActionEvent evt) -void addBtnActionPerformed(ActionEvent evt) -void removeBtnActionPerformed(ActionEvent evt) -void updateBtnActionPerformed(ActionEvent evt) -void barChartBtnActionPerformed(ActionEvent evt) -void loginBtnActionPerformed(ActionEvent evt) -void logoutBtnMouseClicked(MouseEvent evt) </pre>	<pre> 1..1 </pre>
<pre> -ButtonGroup buttonGroup1 -DateChooserCombo dateChooserCombo1 -JTextField idField -JLabel jLabel13 -JLabel jLabel15 -JLabel jLabel16 -JLabel jLabel3 -JLabel jLabel4 -JLabel jLabel5 -JRadioButton jButton1 -JRadioButton jButton2 -JTextField locationField -JTextField testedAnimalField -JButton updateDialogBtn -JPanel updatePanel -JTextField wetMarketNameField </pre>	
<pre> +UpdateTestForm() +void setUpdateInfoTestListener(UpdateTestListener listener) -// <editor-fold defaultstate="collapsed" desc="Generated Code">#GEN-BEGIN: initComponents void initComponents() -void updateDialogBtnActionPerformed(ActionEvent evt) +static void main(String args) </pre>	





2.3 FRUIT

FruitSupplyGU

- ArrayList<OrderSupply> OrderSupplies
- javax.swing.JButton AddButton
- javax.swing.JTextField AmountText
- javax.swing.JButton EditDataButton
- javax.swing.JTextField FruitBoxText
- javax.swing.JTextField HospitalText
- javax.swing.JTextField OrderKeyText
- javax.swing.JButton RemoveDataButton
- javax.swing.JTextField SearchBarText
- javax.swing.JButton jButton1
- javax.swing.JButton jButton2
- javax.swing.JButton jButton3
- javax.swing.JLabel jLabel1
- javax.swing.JLabel jLabel2
- javax.swing.JLabel jLabel3
- javax.swing.JLabel jLabel4
- javax.swing.JLabel jLabel5
- javax.swing.JLabel jLabel7
- javax.swing.JLabel jLabel8
- javax.swing.JLabel jLabel9
- javax.swing.JScrollPane jScrollPane1
- javax.swing.JScrollPane jScrollPane2
- javax.swing.JTable jTable1
- javax.swing.JTextArea jTextArea1

```

+ FruitSupplyGUI()
+ void populateArrayList()
+ void saveOrderToFile()
+ void addRowToJTable()
+ // <editor-fold defaultstate="collapsed" desc="Generated Code"> //GEN-BEGIN: initComponents void initComponents()
+ void jButton2ActionPerformed(java.awt.event.ActionEvent evt)
+ void jButton3ActionPerformed(java.awt.event.ActionEvent evt)
+ void SearchBarTextActionPerformed(java.awt.event.ActionEvent evt)
+ void OrderKeyTextActionPerformed(java.awt.event.ActionEvent evt)
+ void AddButtonActionPerformed(java.awt.event.ActionEvent evt)
+ void FruitBoxTextActionPerformed(java.awt.event.ActionEvent evt)
+ void RemoveDataButtonActionPerformed(java.awt.event.ActionEvent evt)
+ void jButton1ActionPerformed(java.awt.event.ActionEvent evt)
+ void jButton1KeyReleased(java.awt.event.KeyEvent evt)
+ void EditDataButtonActionPerformed(java.awt.event.ActionEvent evt)

```


EditFrameGUI












- ArrayList<OrderSupply> OrderSupplies
- javax.swing.JTextField AmountEditText
- javax.swing.JButton EditDataButton
- javax.swing.JTextField FruitOrderText
- javax.swing.JTextField HospitalEditText
- javax.swing.JComboBox<String> OrderKeyEdit
- javax.swing.JLabel jLabel1
- javax.swing.JLabel jLabel2
- javax.swing.JLabel jLabel3
- javax.swing.JLabel jLabel4
- javax.swing.JLabel jLabel5










```


+ EditFrameGUI()
+ void saveOrderToFile()
+ void populateArrayList()
+ // <editor-fold defaultstate="collapsed" desc="Generated Code"> //GEN-BEGIN: initComponents void initComponents()
+ void OrderKeyEditActionPerformed(java.awt.event.ActionEvent evt)
+ void EditDataButtonActionPerformed(java.awt.event.ActionEvent evt)
+ void FruitOrderTextActionPerformed(java.awt.event.ActionEvent evt)
+ void HospitalEditTextActionPerformed(java.awt.event.ActionEvent evt)
+ static void main(String args)





```










 DeleteFrame GU

-  - ArrayList<OrderSupply> OrderSupplies
-  - javax.swing.JTextField AmountEditText
-  - javax.swing.JButton EditDataButton
-  - javax.swing.JTextField FruitOrderText
-  - javax.swing.JTextField HospitalEditText
-  - javax.swing.JComboBox<String> OrderKeyRemove
-  - javax.swing.JLabel jLabel1
-  - javax.swing.JLabel jLabel2
-  - javax.swing.JLabel jLabel3
-  - javax.swing.JLabel jLabel4
-  - javax.swing.JLabel jLabel5

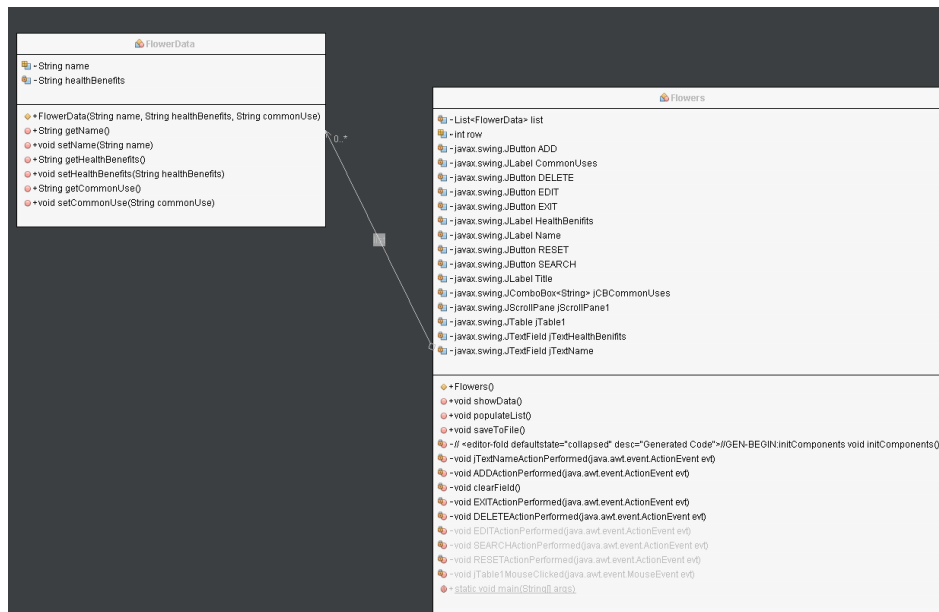
-  + DeleteFrame GUI()
-  + void saveOrderToFile()
-  + void populateArrayList()
-  - // <editor-fold defaultstate="collapsed" desc="Generated Code"> //GEN-BEGIN: initCo
-  - void OrderKeyRemoveActionPerformed(java.awt.event.ActionEvent evt)
-  - void EditDataButtonActionPerformed(java.awt.event.ActionEvent evt)
-  - void FruitOrderTextActionPerformed(java.awt.event.ActionEvent evt)
-  - void HospitalEditTextActionPerformed(java.awt.event.ActionEvent evt)
-  + static void main(String args)

 OrderSupply

-  - String hospitalName
-  - String fruitOrder
-  - double amount
-  - String orderKey

-  + OrderSupply(String hospitalName, String fruitOrder, double amount, String orderKey)
-  + String getHospitalName()
-  + void setHospitalName(String hospitalName)
-  + String getFruitOrder()
-  + void setFruitOrder(String fruitOrder)
-  + double getAmount()
-  + void setAmount(double amount)
-  + String getOrderKey()
-  + void setOrderKey(String orderKey)

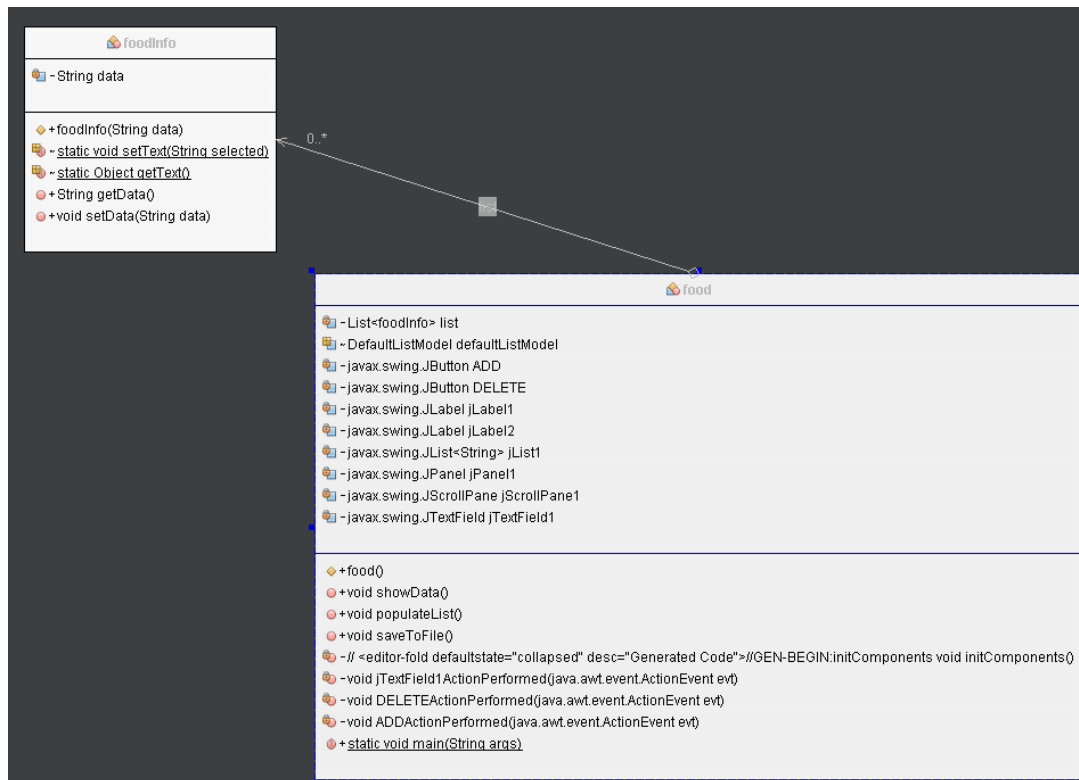
2.3 FLOWER



2.4 BOOK



2.5 FOOD



3.0 PROGRAM DESCRIPTIONS

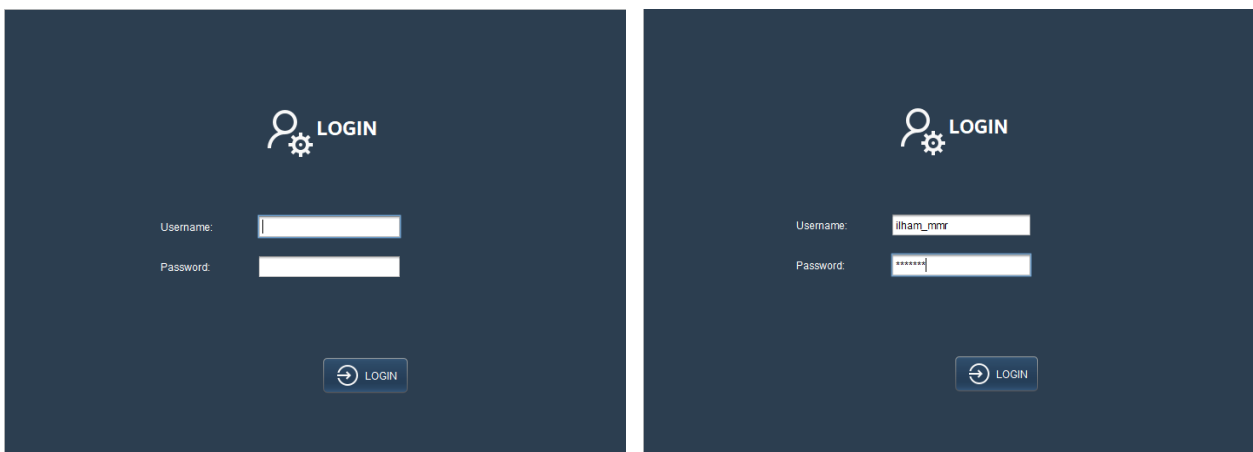
3.1 WET MARKET TEST

Wuhan's animal market was believed to be the first place to transmit COVID-19. Some animals are thought to be the causes of COVID-19. Many health experts believe that the new strain of coronavirus likely originated in bats or pangolins ("Coronavirus (COVID-19) origin: Cause and how it spreads", 2020)

Wet Market Tes GUI is a program that records the COVID-19 testings of animals at a wet market. The program also displays statistical representations such as a table and bar graph. The program also can exhibit trending cases for every wet market being entered into the program. Besides that, the program can update, delete the existing information.

Login interface

Only people who are authorized can add, delete, update data.



The image displays two side-by-side screenshots of a dark-themed login interface. At the top center of each screen is a white icon of a person with a gear, followed by the word 'LOGIN'. Below this, there are two input fields: 'Username:' and 'Password:'. In the left screenshot, both fields are empty. In the right screenshot, the 'Username:' field contains the text 'ilham_mmr' and the 'Password:' field contains several asterisks. At the bottom center of each screen is a blue button with a white circular arrow icon and the word 'LOGIN'.

Add form

A panel for adding data.

COVID-19 TEST IN WET MARKETS

Hello admin!

FORM

TESTING ID: CVD000

WET MARKET NAME: Chow Kit wet market

LOCATION: Kuala Lumpur

TESTED ANIMAL: Bat

COVID-19 RESULT: NEGATIVE POSITIVE

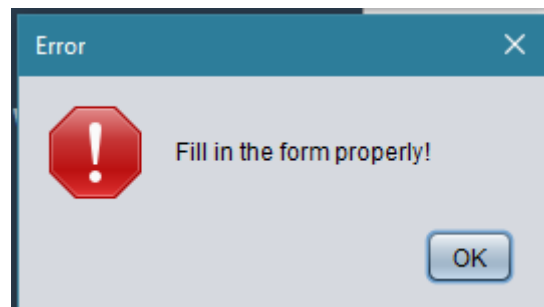
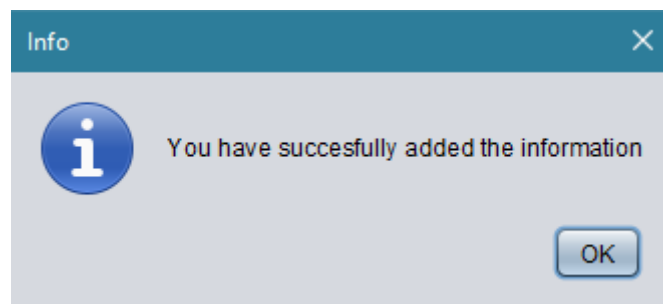
TESTING DATE: 5/1/20

ADD

LOG OUT

POP-UP Dialog

JOptionPane will pop up whenever the data is entered successfully and unsuccessfully.




Statistical Interface

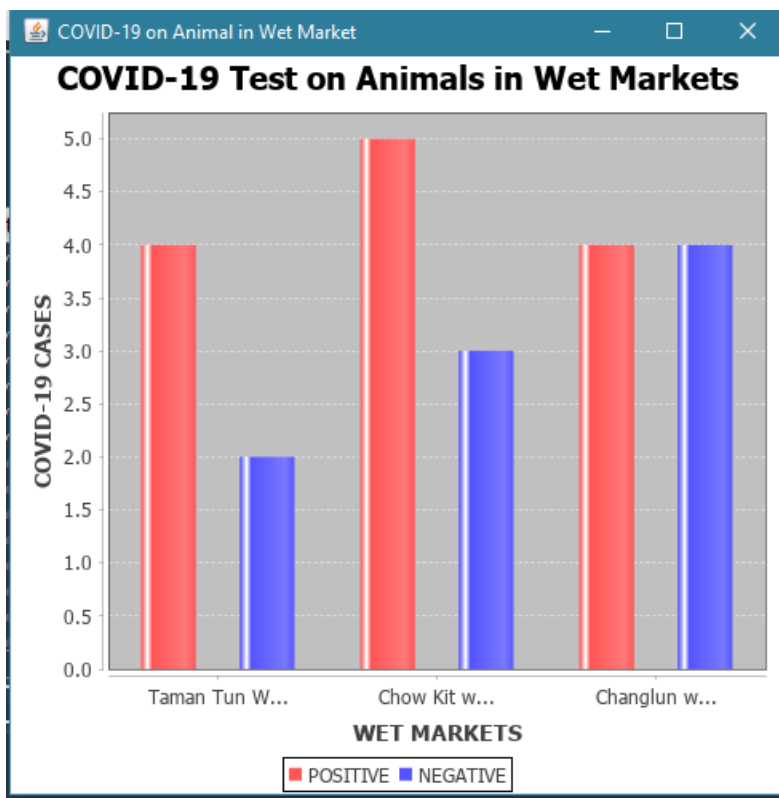
The entered data being displayed on table.

STATISTICAL REPORT

ID	Wet Market Name	Location	Tested Animal	COVID-19 Result	Testing Date
CVD000	Chow Kit wet market	Kuala Lumpur	Bat	NEGATIVE	5/1/20
CVD001	Chow Kit wet market	Kuala Lumpur	Bat	POSITIVE	5/4/20
CVD002	Chow Kit wet market	Kuala Lumpur	Bat	POSITIVE	5/6/20
CVD003	Chow Kit wet market	Kuala Lumpur	Bat	NEGATIVE	5/6/20
CVD004	Chow Kit wet market	Kuala Lumpur	Bat	POSITIVE	5/20/20
CVD005	Chow Kit wet market	Kuala Lumpur	Bat	POSITIVE	5/23/20
CVD006	Chow Kit wet market	Kuala Lumpur	Chicken	NEGATIVE	5/27/20
CVD007	Chow Kit wet market	Kuala Lumpur	Bat	POSITIVE	5/30/20
CVD008	Changlun wet mark...	Changlun	Bat	POSITIVE	5/2/20
CVD009	Changlun wet mark...	Changlun	Bat	POSITIVE	5/17/20
CVD0010	Changlun wet mark...	Changlun	Bat	POSITIVE	5/17/20
CVD0010	Changlun wet mark...	Changlun	Bat	NEGATIVE	5/20/20
CVD0011	Changlun wet mark...	Changlun	Bat	NEGATIVE	5/22/20
CVD0011	Changlun wet mark...	Changlun	Bat	NEGATIVE	5/24/20
CVD0011	Changlun wet mark...	Changlun	Bat	NEGATIVE	5/24/20
CVD0012	Changlun wet mark...	Changlun	Bat	POSITIVE	5/12/20

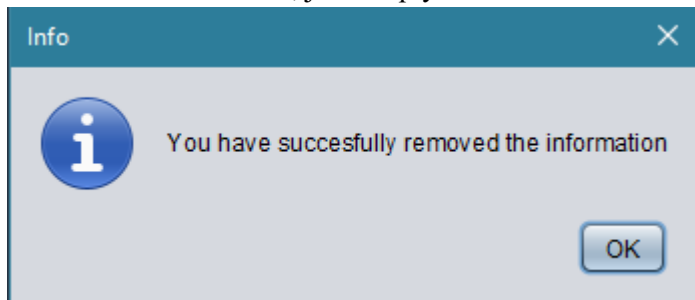
Show Bar Chart:  REMOVE UPDATE

If a bar graph button is clicked, the bar graph frame will show up based off of the data table.

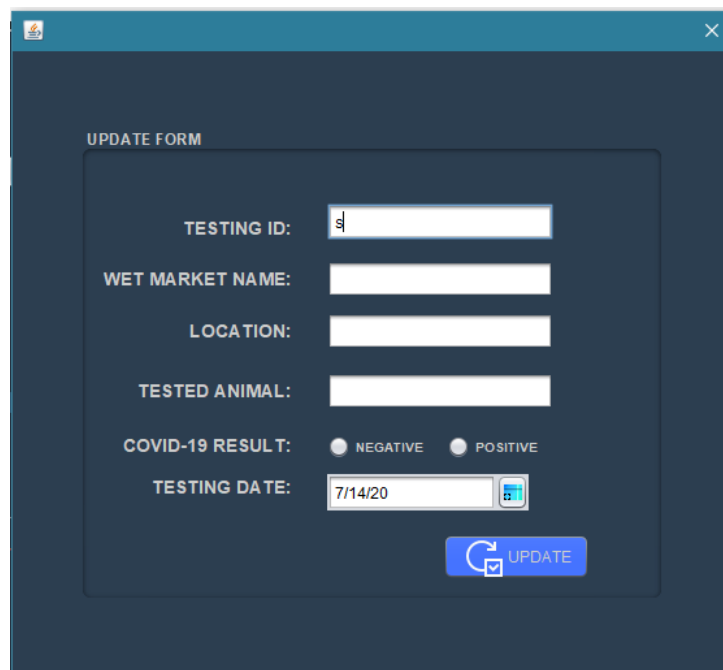


Update and Remove Data

To remove data on table, just simply select a row and click the remove button.



Whereas for updating data, choose a row and then click the update button. Immediately the update form will pop up.

An "UPDATE FORM" dialog box with a dark blue background and a light blue header. The form contains several input fields: "TESTING ID:" with a text box containing the letter 's'; "WET MARKET NAME:" with an empty text box; "LOCATION:" with an empty text box; "TESTED ANIMAL:" with an empty text box; "COVID-19 RESULT:" with two radio buttons labeled "NEGATIVE" and "POSITIVE", both of which are unselected; and "TESTING DATE:" with a date picker showing "7/14/20". At the bottom right of the form, there is a blue button with a circular arrow icon and the text "UPDATE".

3.2 FRUIT SUPPLY

Fruit supply GUI is a system that would help fruit sellers to data their fruit selling and record their buyers. The buyer could also make a fruit order by filling the order data. With this system hopefully, it would help every fruit seller to make their job easier. Mainly in nowadays situation, the world is now facing COVID -19 pandemic. Million of people are now in the hospital and hoping that they will get well sooner. One of the factors to help the patients to fight this virus is a good metabolism that requires them to eat healthy Food, which one of them is fruit.

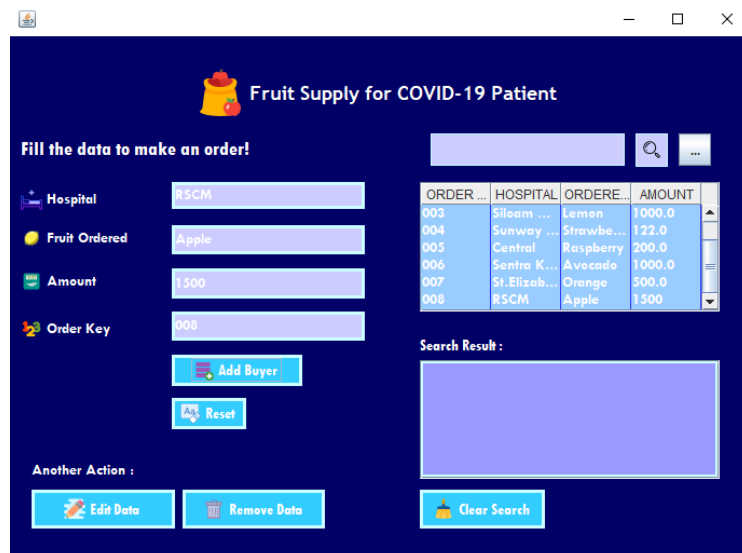
Every hospital that wants to make an order must fill the order data in GUI and specify their hospital name, the fruit that they would like to order, the amount, and lastly the order key. The order key is later would be the key to help the user if they want to edit or

remove their order. There is also a search bar that can be used to search the data by typing the order key. Then displaying the searched data if the key that user typed matches with one of the data stored. Otherwise, it will show the message "Not Found".

GUI Appearance



Adding data



Fruit Supply for COVID-19 Patient

Fill the data to make an order!

Hospital:

Fruit Ordered:

Amount:

Order Key:

ORDER ...	HOSPITAL	ORDERE...	AMOUNT
002	KL Medi...	Mango	1000.0
003	Siloam ...	Lemon	1000.0
		lybe...	122.0
		berry	200.0
		zade	1000.0
		ge	500.0

Another Action :

Message

Successfully Saved!

Edit data

Edit Data

Order Key:

Hospital:

Fruit Ordered:

Amount:

Another Action :

Remove Data

The screenshot shows a modal dialog box titled "Remove Data" with a purple background. It contains four input fields: "Order Key" (a dropdown menu showing "001"), "Hospital" (a text input field with "HSP"), "Fruit Ordered" (a text input field with "Papaya"), and "Amount" (a text input field with "1000.0"). Below these fields is a red button with a trash icon and the text "Remove Data".

In the background, the main application window is visible. It has a dark blue header with a fruit basket icon and the title "Fruit Supply for COVID-19 Patient". On the left, there are four form fields: "Hospital", "Fruit Ordered", "Amount", and "Order Key". At the bottom, there are three buttons: "Edit Data", "Remove Data", and "Clear Search". On the right, a table shows a list of orders.

ORDER...	HOSPITAL	ORDERE...	AMOUNT
aya			1000.0
ngo			1000.0
on			1000.0
wbe...			122.0
aspberry			200.0
ocado			1000.0

Searching Data

The screenshot shows the main application window with a search bar at the top right containing the value "004". Below the search bar is a table with the following data:

ORDER ...	HOSPITAL	ORDERE...	AMOUNT
001	HSP	Papaya	1000.0
002	KL Medi...	Mango	1000.0
003	Siloam ...	Lemon	1000.0
004	Sunway ...	Strawbe...	122.0
005	Central	Raspberry	200.0
006	Sentra K...	Avocado	1000.0

Below the table, there is a "Search Result:" section with a text area containing the following text:

```
Order Key 004 Found!  
Hospital Name      :  
Sunway Hospital  
Fruit Ordered     :  
Strawberry  
Amount of Fruit Ordered :  
122.0
```

The main application window also features a left sidebar with form fields for "Hospital", "Fruit Ordered", "Amount", and "Order Key", and buttons for "Add Buyer" and "Reset". At the bottom, there are three buttons: "Edit Data", "Remove Data", and "Clear Search".

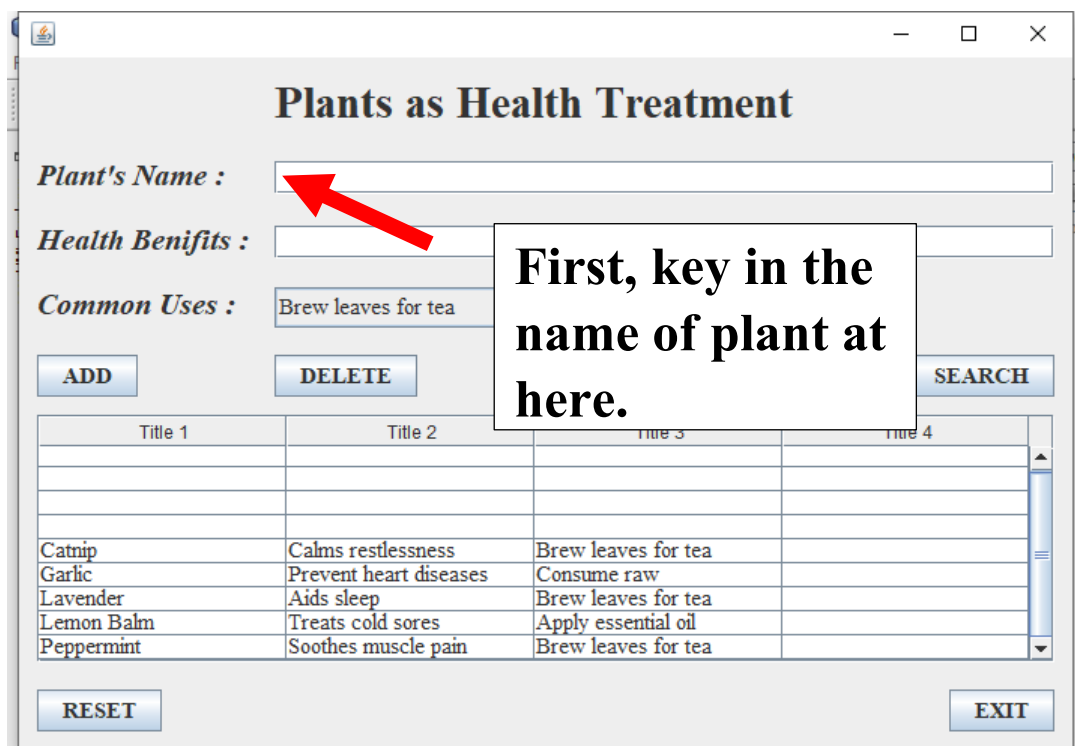
3.3 FLOWER

Plant as health treatment

Due to COVID-19, there are big changes on human daily lifestyle. This plant GUI will analysis 3 things of plants which are plant's name, health benefits , and common uses.

Plant as health treatment GUI is a system which enable us to record, display and edit the information of plants which can be use as medicine or can be applied to our body. This GUI will give us information about the benefits of plants and how should we applied it .

Add



Plants as Health Treatment

Plant's Name :

Health Benefits :

Common Uses :

Title 1	Title 2	Title 3	Title 4
Catnip	Calms restlessness	Brew leaves for tea	
Garlic	Prevent heart diseases	Consume raw	
Lavender	Aids sleep	Brew leaves for tea	
Lemon Balm	Treats cold sores	Apply essential oil	
Peppermint	Soothes muscle pain	Brew leaves for tea	

First, key in the name of plant at here.

Plants as Health Treatment

Plant's Name :

Health Benefits :

Common Uses :

Title 1	Title 2	Title 3	Title 4
Catnip	Calms restlessness	Brew leaves for tea	
Garlic	Prevent heart diseases	Consume raw	
Lavender	Aids sleep	Brew leaves for tea	
Lemon Balm	Treats cold sores	Apply essential oil	
Peppermint	Soothes muscle pain	Brew leaves for tea	

Second, key in the benefits of plant at here.

Plants as Health Treatment

Plant's Name :

Health Benefits :

Common Uses :

Title 1	Title 2	Title 3	Title 4
Catnip	Calms restlessness	Brew leaves for tea	
Garlic	Prevent heart diseases	Consume raw	
Lavender	Aids sleep	Brew leaves for tea	
Lemon Balm	Treats cold sores	Apply essential oil	
Peppermint	Soothes muscle pain	Brew leaves for tea	

Third, choose the common uses of the plant.

Plants as Health Treatment

Plant's Name :

Health Benefits :

Common Uses :

Title 1	Title 2	Title 3	Title 4
Catnip		tea	
Garlic		tea	
Lavender		oil	
Lemon Balm		tea	
Peppermint			

Last, click ADD.

Delete

Plant's Name

Health Benefits

Common Uses :

Title 1	Title 2	Title 3	Title 4
Basil	Boost immunity	Brew leaves for tea	
Catnip	Calms restlessness	Brew leaves for tea	
Garlic	Helps prevent heart diseases	Consume raw	
Lavender	Relieves pain	Brew leaves for tea	
Lemon Balm	Treats cold sores	Apply essential oil	
Peppermint	Soothes muscle pain	Apply essential oil	

First, click on the data you would like to remove.

Plants

Plant's Name :

Health Benefits :

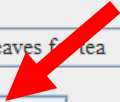
Common Uses :

ADD **DELETE** **EDIT** **SEARCH**

Title 1	Title 2	Title 3	Title 4
Basil	Boost immunity	Brew leaves for tea	
Catnip	Calms restlessness	Brew leaves for tea	
Garlic	Helps prevent heart diseases	Consume raw	
Lavender	Relieves pain	Brew leaves for tea	
Lemon Balm	Treats cold sores	Apply essential oil	
Peppermint	Soothes muscle pain	Apply essential oil	

RESET **EXIT**

Then, click the delete button.



Edit

Plants as Health Treatment

Plant's Name :

Health Benifits :

Common Uses :

Title 1	Title 2	Title 3	Title 4
Basil	Boost immunity	Brew leaves for tea	
Catnip	Calms restlessness	Brew leaves for tea	
Garlic	Helps prevent heart diseases	Consume raw	
Lavender	Relieves pain	Brew leaves for tea	
Lemon Balm	Treats cold sores	Apply essential oil	
Peppermint	Soothes muscloe pain	Apply essential oil	

First, click on the data that you would like to edit

Plants as Health Treatment

Plant's Name :

Health Benifits :

Common Uses :

Title 1	Title 2	Title 3	Title 4
Basil	Boost immunity	Brew leaves for tea	
Catnip	Calms restlessness	Brew leaves for tea	
Garlic	Helps prevent heart diseases	Consume raw	
Lavender	Relieves pain	Brew leaves for tea	
Lemon Balm	Treats cold sores	Apply essential oil	
Peppermint	Soothes muscloe pain	Apply essential oil	

Then, the data info will appear at here, edit the data that you would like to change

Plants as Health Treatment

Plant's Name :

Health Benifits :

Common Uses :

Title 1	Title 2	Title 3	Title 4
Basil	Boost immunity	Brew leaves for tea	
Catnip	Calms restlessness	Brew leaves for tea	
Garlic		Consume raw	
Lavender		Brew leaves for tea	
Lemon B		Apply essential oil	
Pepperm		Apply essential oil	

Click EDIT. Info will be updated.

Search

Plants as Health Treatment

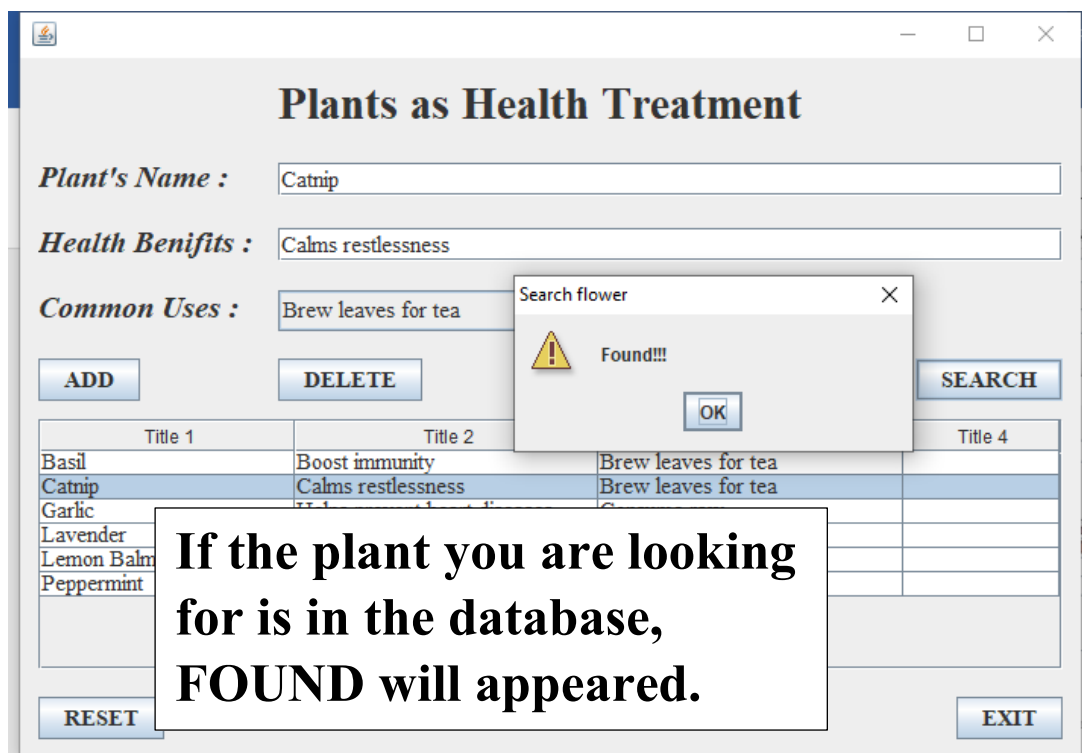
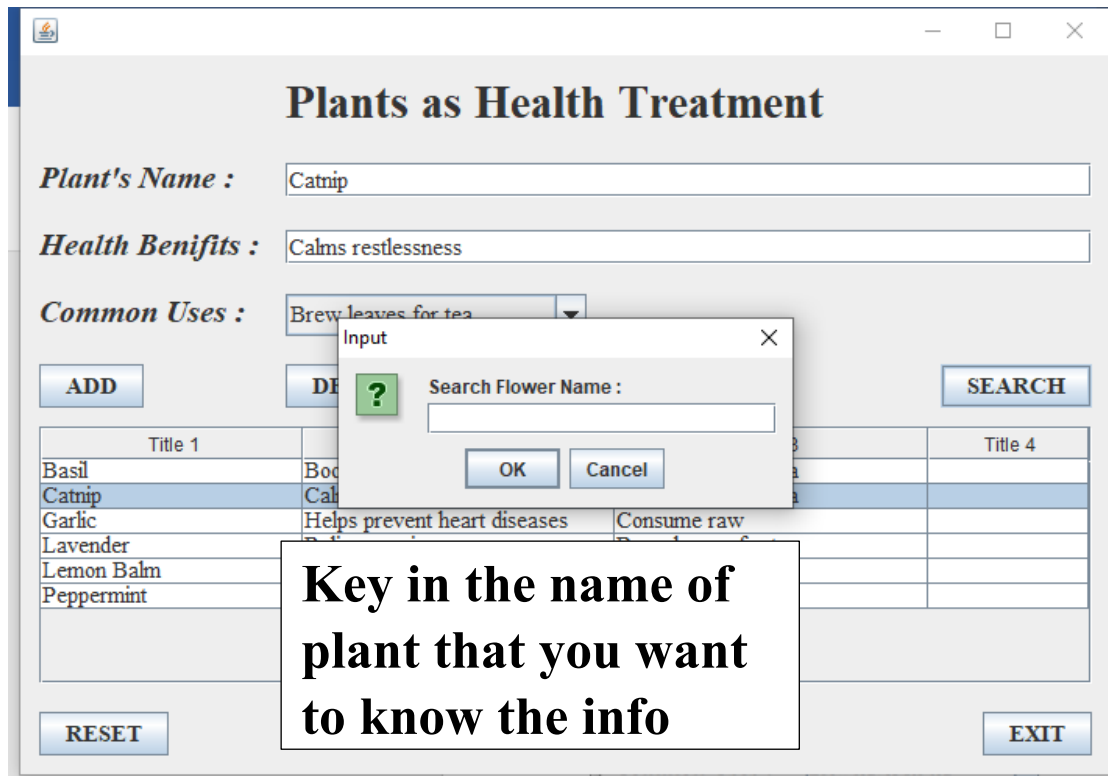
Plant's Name :

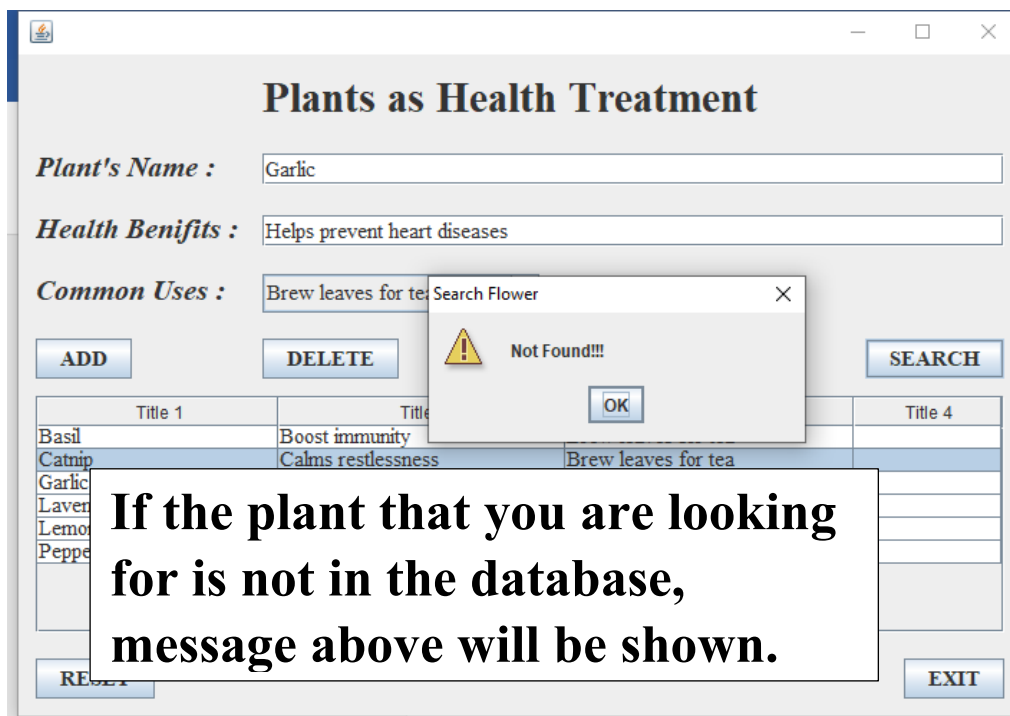
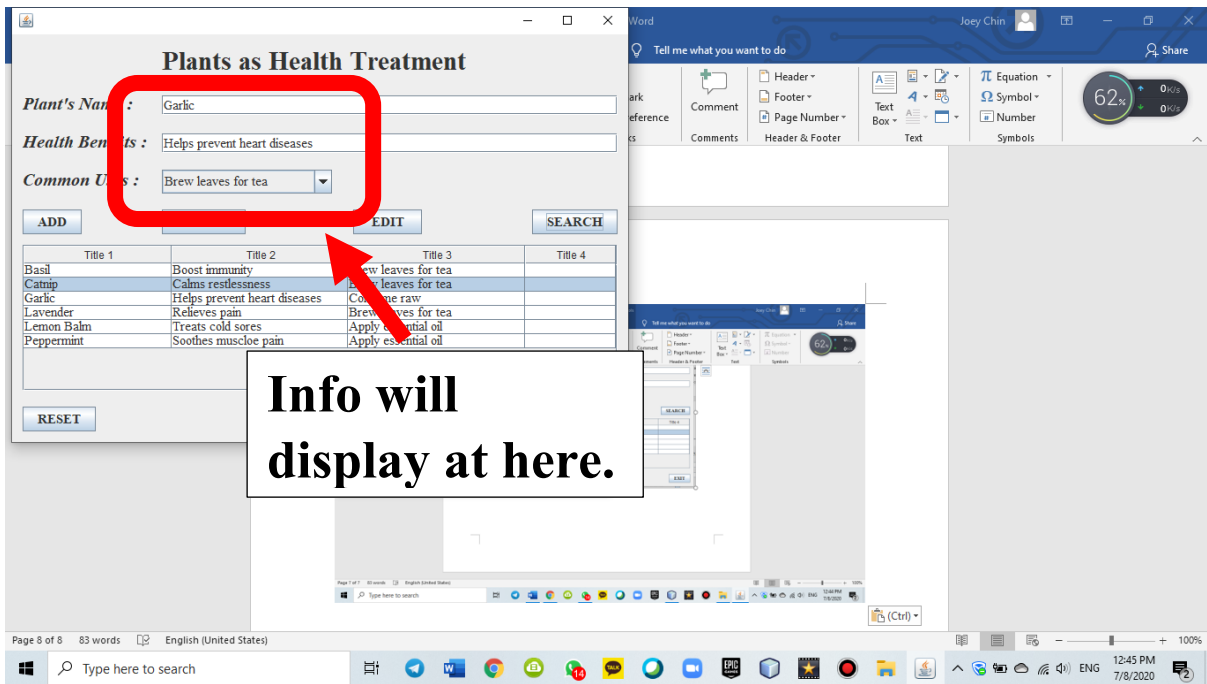
Health Benifits :

Common Uses :

Title 1	Title 2	Title 3	Title 4
Basil	Boost immunity	Brew leaves for tea	
Catnip	Calms restlessness	Brew leaves for tea	
Garlic	Helps prevent heart diseases	Consume raw	
Lavender	Relieves pain	Brew leaves for tea	
Lemon Balm	Treats cold sores	Apply essential oil	
Peppermint	Soothes muscloe pain	Apply essential oil	

Click SEARCH.





3.4 BOOK

Due to COVID-19, there are big changes of book sales in the book market. This book sales report GUI will analysis 3 categories of books which are medical book, school book, and general book. There will be changes in each categories of books and this GUI will show the condition of book sales in the COVID-19 period.

Book sales statistic report GUI is a system which enable us to record and compare the amount of book sold in a period. With this GUI, we may know what book do we have and the category of the book, as well as sales quantity of the book in that particular period

whether increase or drop. This GUI also give us reasons about the increasing or decreasing of book sales of the period. So that we can do some adjustment on book sales in the book market

GUI Display

Sales Report during MCO Covid-19

Book Title :

Category :

Quantity :

Reason :

Book Title	Book Category	Quantity	Reason
English Composition Skills	School Book	decrease	Students study through online learning
English Model Essays	School Book	decrease	Students study through online learning
Achiever ! Model Test Paper	School Book	decrease	Students study through online learning
Medical Science	Medical Book	increase little	medical personnel do not have time to read
Principles of Surgery	Medical Book	increase little	medical personnel do not have time to read
Neural Science	Medical Book	increase little	medical personnel do not have time to read

Add

Sales Report during MCO Covid-19

Book Title :

Category :

Quantity :

Reason :

Book Title	Book Category	Quantity	Reason
Neural Science	Medical Book	increase little	medical personnel do not have time to read
Joy of Cooking	General Book	increase a lot	people stay at home, have lots of leisure time
Charlie's factory	General Book	increase a lot	people stay at home, have lots of leisure time
Alice's Adventure	General Book	increase a lot	people stay at home, have lots of leisure time
The Lion	General Book	increase a lot	people stay at home, have lots of leisure time
The Secret Garden	General Book	increase a lot	people stay at home, have lots of leisure time

Key in the information of book you want to add.

Sales Report during MCO Covid-19

Book Title :

Category :

Quantity :

Reason :

Book Title	Book Category	Quantity	Reason
Joy of Cooking	General Book	increase a lot	people stay at home, have lots of leisure time
Charlie's factory	General Book	increase a lot	people stay at home, have lots of leisure time
Alice's Adventure	General Book	increase a lot	people stay at home, have lots of leisure time
The Lion	General Book	increase a lot	people stay at home, have lots of leisure time
The Secret Garden	General Book	increase a lot	people stay at home, have lots of leisure time
Harry Potter	General Book	increase a lot	people stay at home, have lots of leisure time

After that, press "ADD" button. Information of book "Harry Potter" will be added into the table.

Delete

Sales Report during MCO Covid-19

Book Title :

Category :

Quantity :

Reason :

Book Title	Book Category	Quantity	Reason
English Composition Skills	School Book	decrease	Students study through online learning
English Model Essays	School Book	decrease	Students study through online learning
Achiever ! Model Test Paper	School Book	decrease	Students study through online learning
Medical Science	Medical Book	increase little	medical personnel do not have time to read
Principles of Surgery	Medical Book	increase little	medical personnel do not have time to read
Neural Science	Medical Book	increase little	medical personnel do not have time to read

Click at the book you want to delete in the table, after that click "DELETE" button.

Sales Report during MCO Covid-19

Book Title :
Category :
Quantity :
Reason :

Book Title	Book Category	Quantity	Reason
English Composition Skills	School Book	decrease	Students study through online learning
English Model Essays	School Book	decrease	Students study through online learning
Achiever ! Model Test Paper	School Book	decrease	Students study through online learning
Medical Science	Medical Book	increase little	medical personnel do not have time to read
Principles of Surgery	Medical Book	increase little	medical personnel do not have time to read
Neural Science	Medical Book	increase little	medical personnel do not have time to read

Delete ×

? Delete this data

Click "Yes" if you want to delete and the book will be deleted. While press "No" if you don't want to delete book.

Edit

Sales Report during MCO Covid-19

Book Title :
Category :
Quantity :
Reason :

Book Title	Book Category	Quantity	Reason
Joy of Cooking	General Book	increase a lot	people stay at home, have lots of leisure time
Charlie's factory	General Book	increase a lot	people stay at home, have lots of leisure time
Alice's Adventure	General Book	increase a lot	people stay at home, have lots of leisure time
The Lion	General Book	increase a lot	people stay at home, have lots of leisure time
The Secret Garden	General Book	increase a lot	people stay at home, have lots of leisure time
Harry Potter	General Book	increase a lot	people stay at home, have lots of leisure time

Sales Report during MCO Covid-19

Book Title :

Category :

Quantity :

Reason :

ADD **DELETE** **EDIT** **SEARCH**

Book Title	Book Category	Quantity	Reason
English Model Essays	School Book	decrease	Students study through online learning
Achiever I Model Test Paper	School Book	decrease	Students study through online learning
Medical Science	Medical Book	increase little	medical personnel do not have time to read
Principles of Surgery	Medical Book	increase little	medical personnel do not have time to read
Neural Science	Medical Book	increase little	medical personnel do not have time to read
Joy of Cooking	General Book	increase a lot	people stay at home, have lots of leisure time

RESET **EXIT**

Click on the area you want to edit and click "Edit" button, then you can edit your information.

Search

Sales Report during MCO Covid-19

Book Title :

Category :

Quantity :

Reason :

ADD **DELETE** **EDIT**

Input

Search Book Name :

OK **Cancel**

Book Title	Book Category	Quantity	Reason
Achiever I Model Test Paper	School Book		Students study through online learning
Medical Science	Medical Book		medical personnel do not have time to read
Principles of Surgery	Medical Book	increase little	medical personnel do not have time to read
Neural Science	Medical Book	increase little	medical personnel do not have time to read
Joy of Cooking	General Book	increase a lot	people stay at home, have lots of leisure time
Charlie's factory	General Book	increase a lot	people stay at home, have lots of leisure time

RESET **EXIT**

First, type the book name in the search text field then press "OK"

Sales Report during MCO Covid-19

Book Title :

Category :

Quantity :

Reason :

Search book X

Found!!!

Book Title	Book Category	Quantity	Reason
Achiever ! Model Test Paper	School Book	decrease	Students study through online learning
Medical Science	Medical Book	increase little	medical personnel do not have time to read
Principles of Surgery	Medical Book	increase little	medical personnel do not have time to read
Neural Science	Medical Book	increase little	medical personnel do not have time to read
Joy of Cooking	General Book	increase a lot	people stay at home, have lots of leisure time
Charlie's factory	General Book	increase a lot	people stay at home, have lots of leisure time

And if your book title is found, it will pop out a message

Sales Report during MCO Covid-19

Book Title :

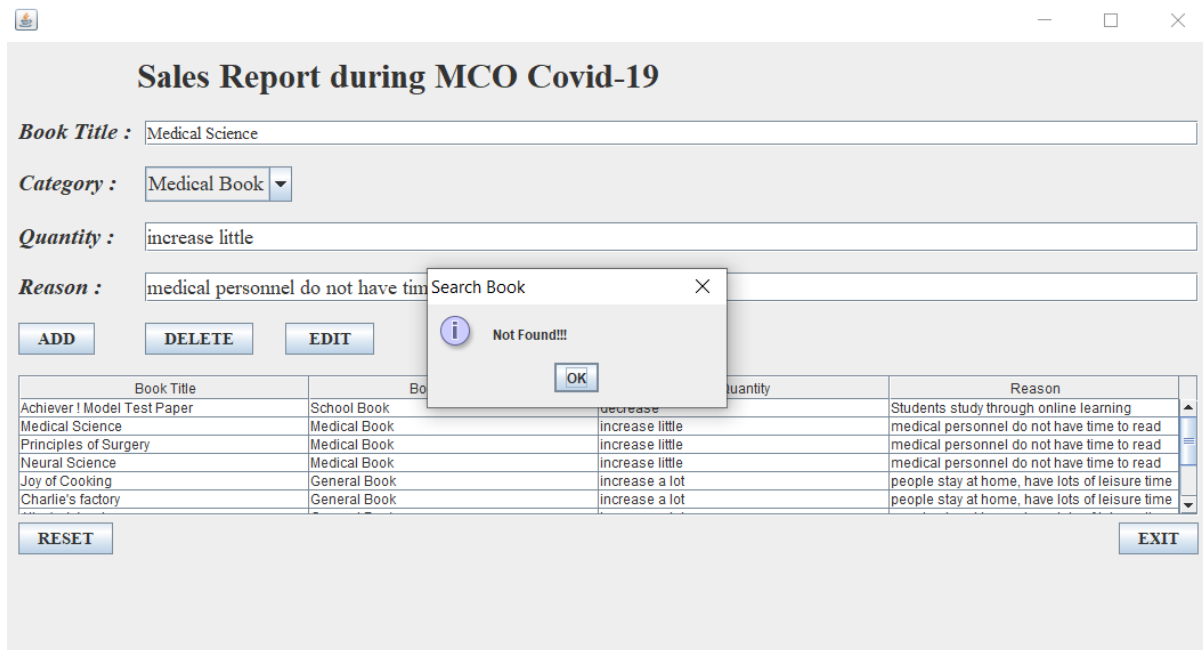
Category :

Quantity :

Reason :

Book Title	Book Category	Quantity	Reason
Achiever ! Model Test Paper	School Book	decrease	Students study through online learning
Medical Science	Medical Book	increase little	medical personnel do not have time to read
Principles of Surgery	Medical Book	increase little	medical personnel do not have time to read
Neural Science	Medical Book	increase little	medical personnel do not have time to read
Joy of Cooking	General Book	increase a lot	people stay at home, have lots of leisure time
Charlie's factory	General Book	increase a lot	people stay at home, have lots of leisure time

And the book information will appear.



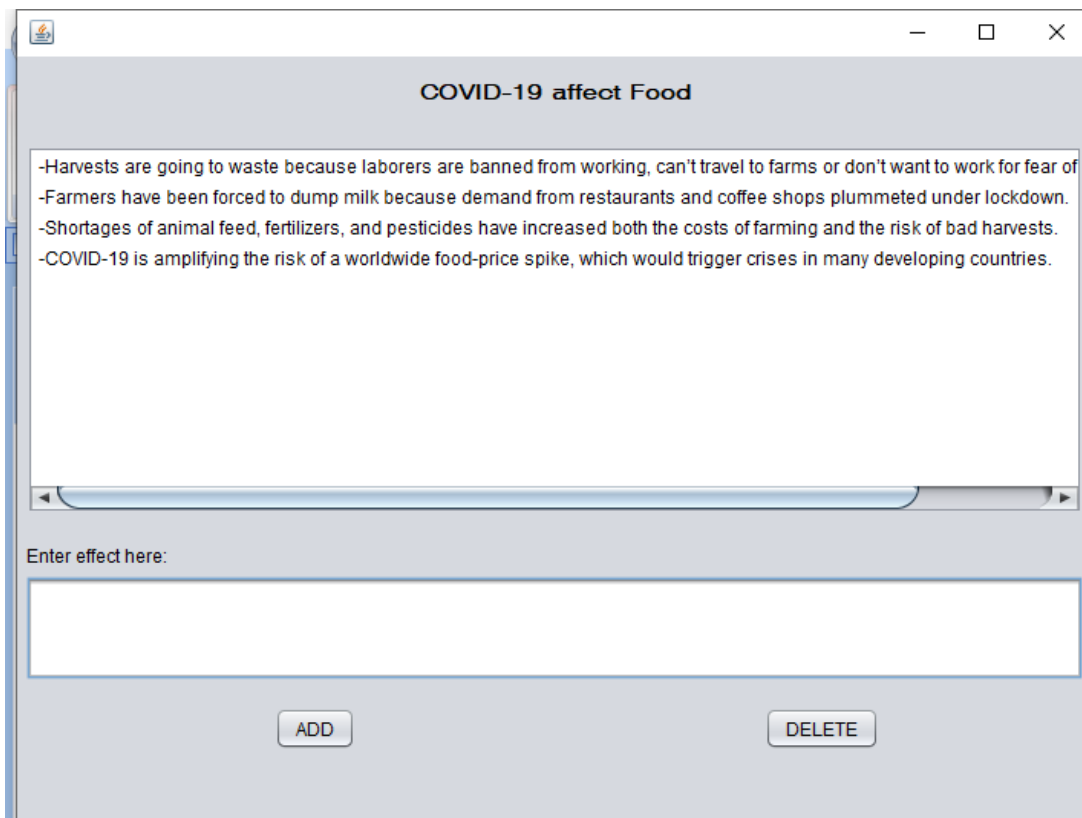
While a pop-up message "Not Found" will appear if the book you search do not listed in the table list.X

3.5 FOOD

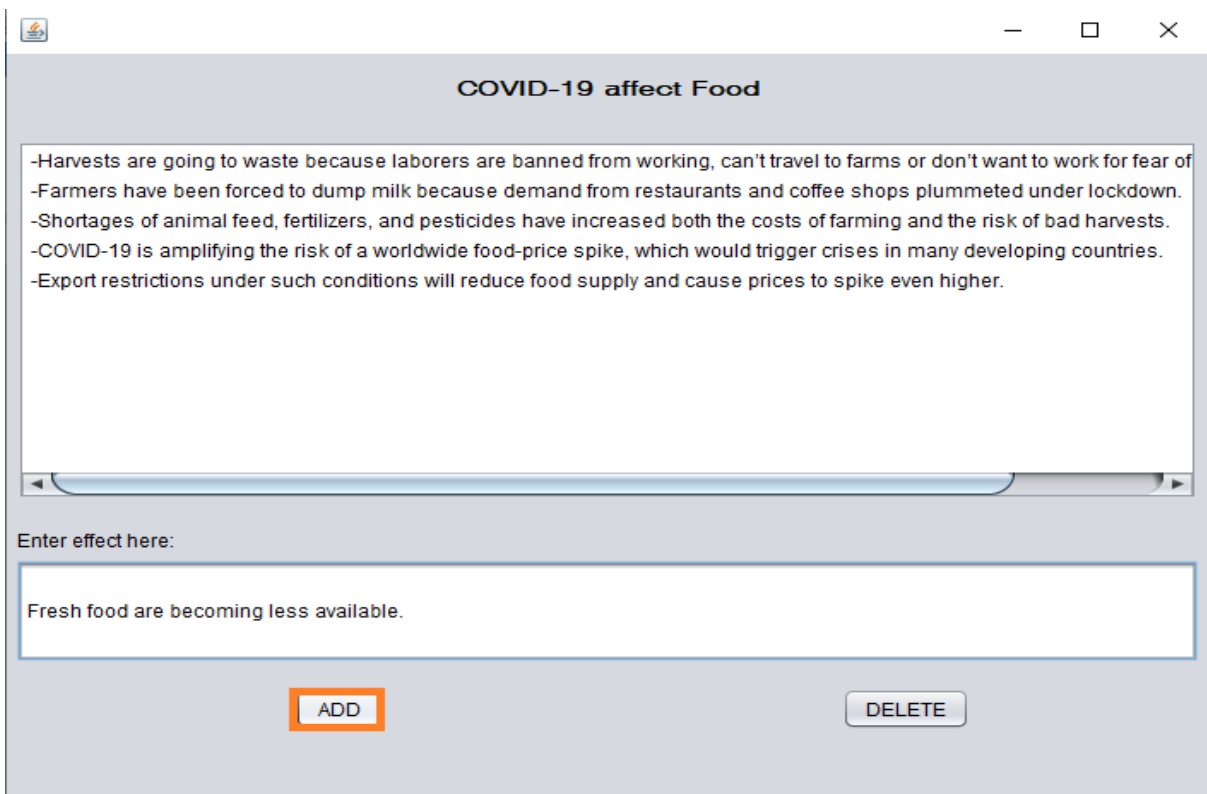
The COVID-19 health crisis has brought on an economic crisis, and is rapidly exacerbating an ongoing food security and nutrition crisis. In a matter of weeks, COVID-19 has laid bare the underlying risks, fragilities, and inequities in global food systems, and pushed them close to breaking point.

COVID-19 affect Food GUI is a system which enable us to record and delete the information of the COVID-19 that affect the Food. With this GUI, it will give us information of the COVID-19 that affect the Food. Then, the society know more of the effect. They will be more cautious to the COVID-19 and try hard not to spread the infection.

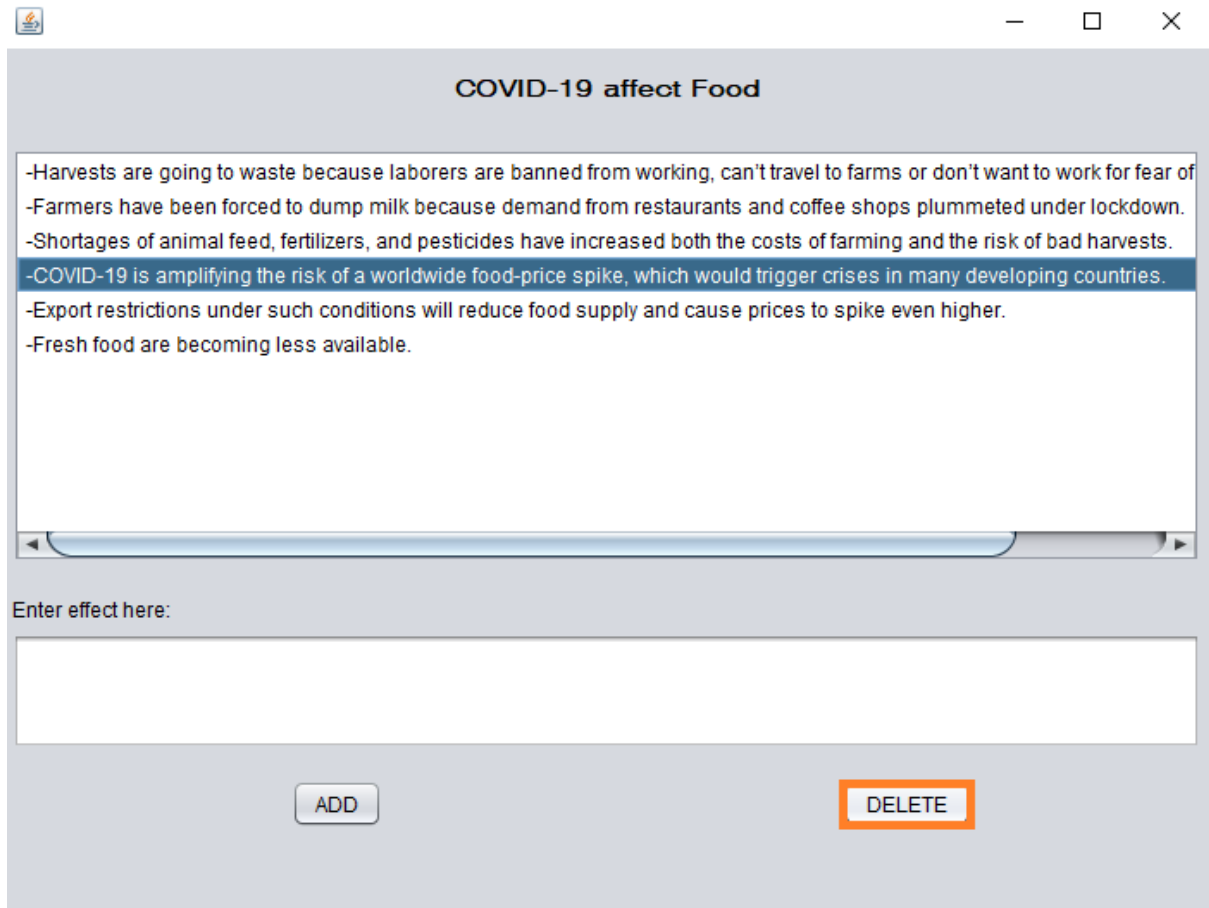
Food GUI Display



Add to record the data



Select to delete the information



4.0 THE CODE

<https://github.com/ilham-mmr/Environment-Group-Project>

5.0 THE SAMPLE RUN

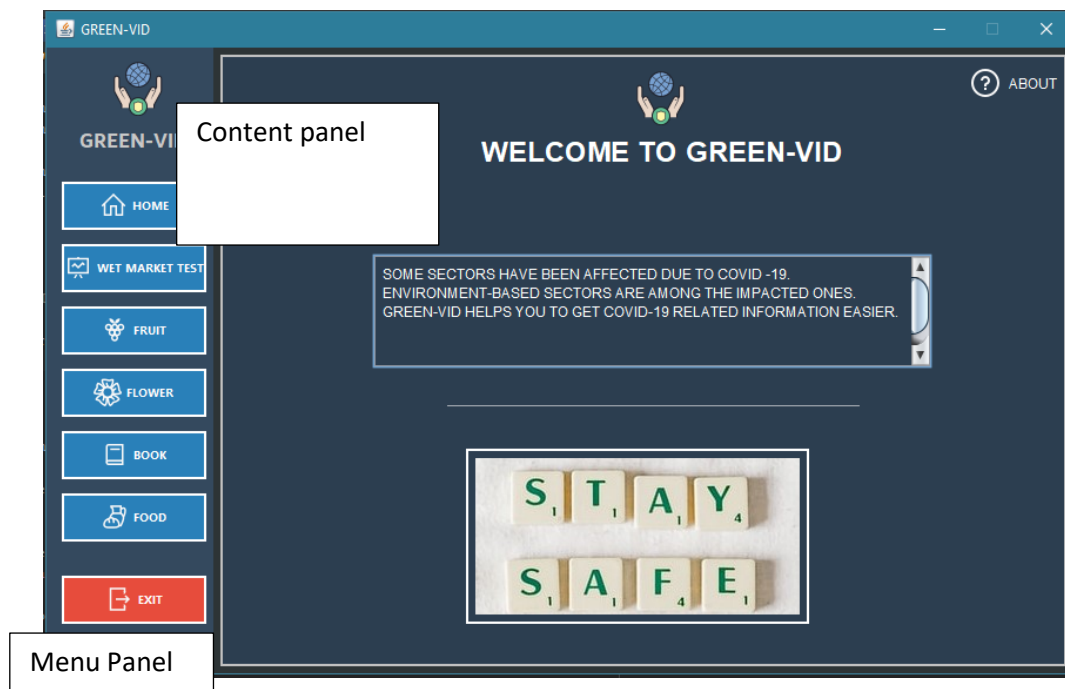
The Interface of our app

Green-vid consists of two main panels. Firstly the content panel, It is used to contain each of our GUI. Secondly, the Menu Panel, the panel has several buttons to indicate our contents.

The app is a dynamic environment based integrated app. The app is dynamic, because when a button menu is clicked it will show the content itself.

The buttons are self-made. Therefore we use a panel to act as a button. The characteristics of the buttons are if the cursor hovers over the panel the color changes and so does when the button is pressed.

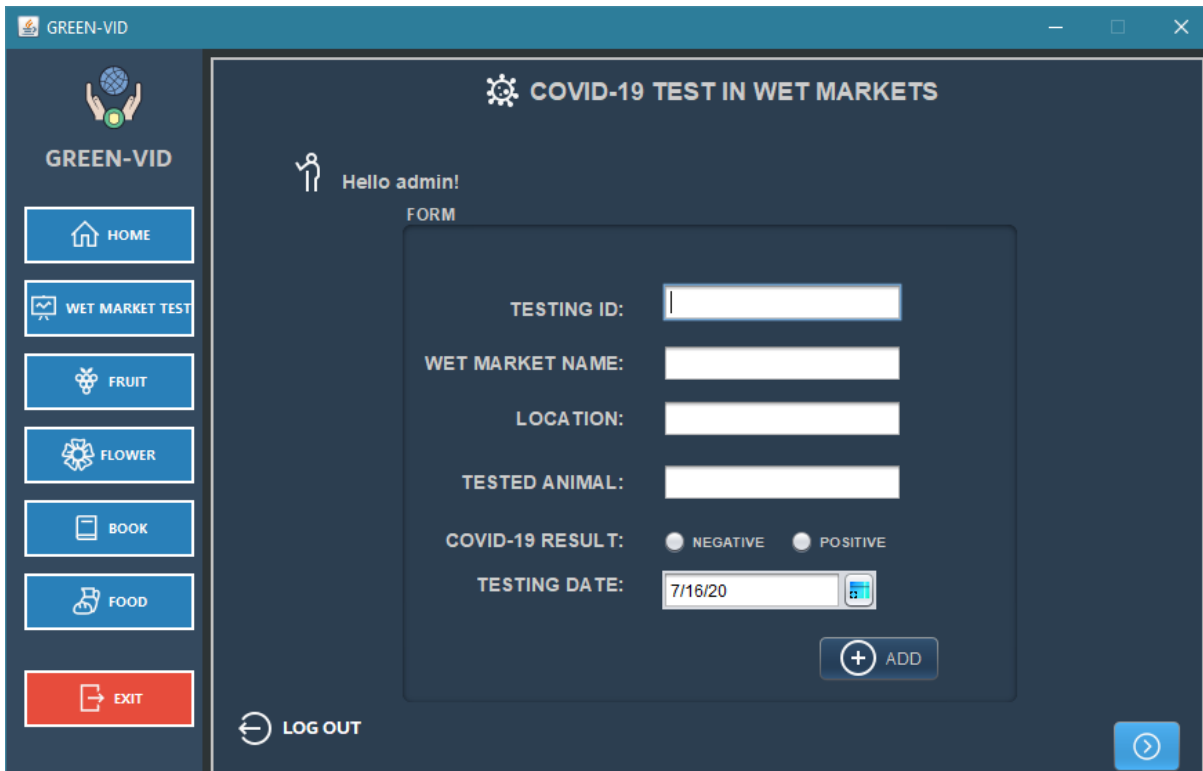
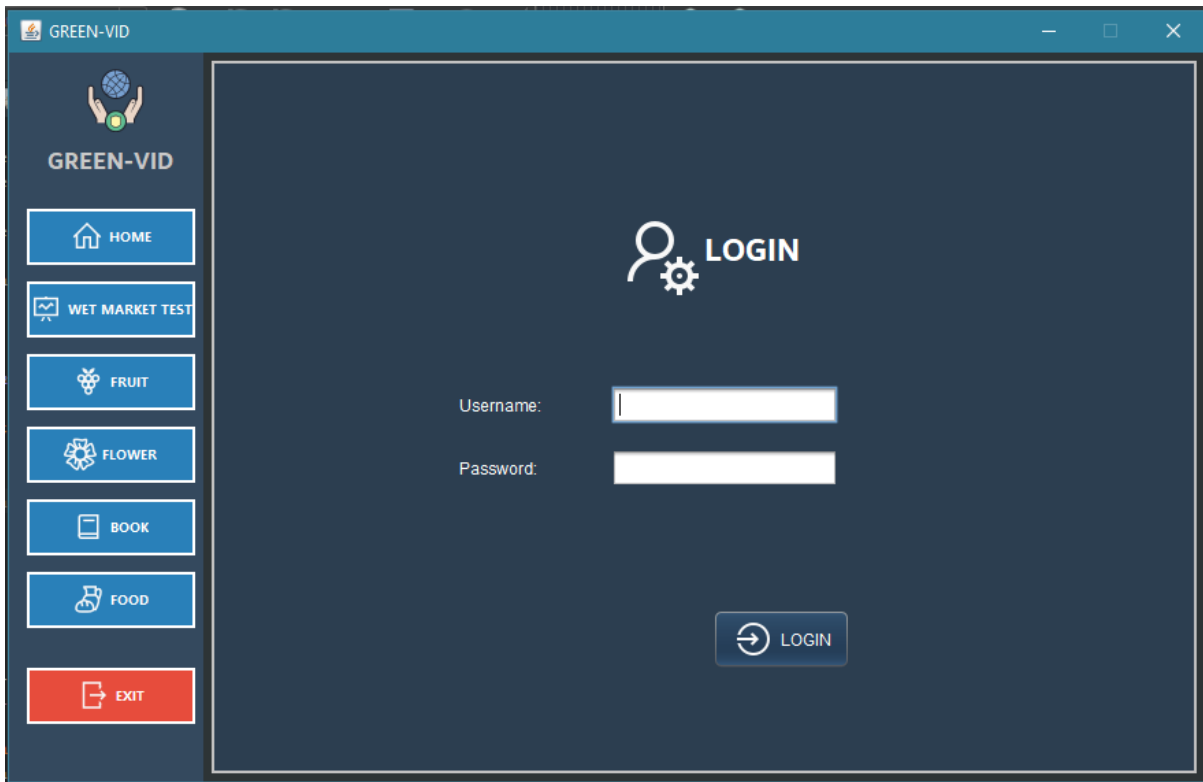
Home content



About button will display the group members




Wet Market Test Content



GREEN-VID

STATISTICAL REPORT

ID	Wet Market Name	Location	Tested Animal	COVID-19 Result	Testing Date
CVD000	Chow Kit wet market	Kuala Lumpur	Bat	NEGATIVE	5/1/20
CVD001	Chow Kit wet market	Kuala Lumpur	Bat	POSITIVE	5/4/20
CVD002	Chow Kit wet market	Kuala Lumpur	Bat	POSITIVE	5/6/20
CVD003	Chow Kit wet market	Kuala Lumpur	Bat	NEGATIVE	5/6/20
CVD004	Chow Kit wet market	Kuala Lumpur	Bat	POSITIVE	5/20/20
CVD006	Chow Kit wet market	Kuala Lumpur	Chicken	NEGATIVE	5/27/20
CVD007	Chow Kit wet market	Kuala Lumpur	Bat	POSITIVE	5/30/20
CVD008	Changlun wet mark...	Changlun	Bat	POSITIVE	5/2/20
CVD009	Changlun wet mark...	Changlun	Bat	POSITIVE	5/17/20
CVD0010	Changlun wet mark...	Changlun	Bat	POSITIVE	5/17/20
CVD0010	Changlun wet mark...	Changlun	Bat	NEGATIVE	5/20/20
CVD0011	Changlun wet mark...	Changlun	Bat	NEGATIVE	5/22/20
CVD0011	Changlun wet mark...	Changlun	Bat	NEGATIVE	5/24/20
CVD0011	Changlun wet mark...	Changlun	Bat	NEGATIVE	5/24/20
CVD0012	Changlun wet mark...	Changlun	Bat	POSITIVE	5/12/20
CVD0013	Taman Tun Wet M...	Selangor	Bat	POSITIVE	5/12/20

Show Bar Chart: 

REMOVE UPDATE

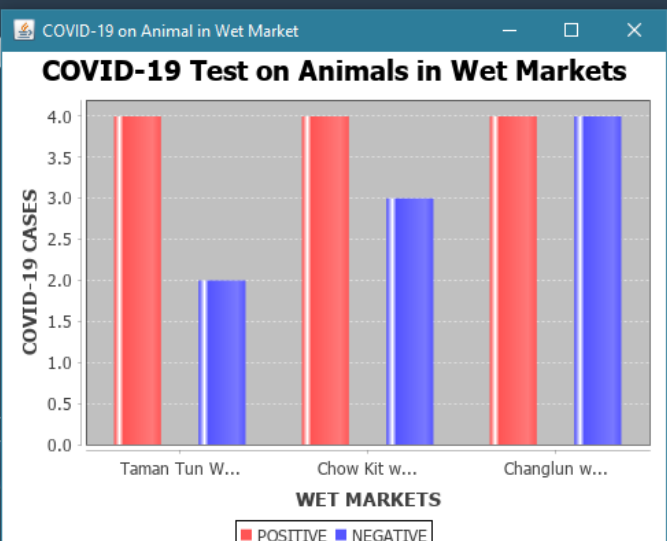
EXIT

GREEN-VID


STATISTICAL REPORT

COVID-19 on Animal in Wet Market

COVID-19 Test on Animals in Wet Markets



Wet Market	Positive Cases	Negative Cases
Taman Tun W...	4	2
Chow Kit w...	4	3
Changlun w...	4	4

Show Bar Chart: 

UPDATE

EXIT

Fruit Supply Content

GREEN-VID
— □ ×

GREEN-VID

HOME

WET MARKET TEST

FRUIT

FLOWER

BOOK

FOOD

EXIT

Fruit Supply for COVID-19 Patient

Fill the data to make an order!

Hospital

Fruit Ordered

Amount

Order Key

Add Buyer

Reset

Another Action :

Edit Data

Remove Data

Search by order key

ORDER...	HOSPIT...	ORDER...	AMOUNT
001	HSP	Papaya	1000.0
002	KL Me...	Mango	1000.0
003	Siloam...	Lemon	1000.0
004	Sunwa...	Strawb...	122.0
005	Central	Raspbe...	200.0
006	Senfra ...	Avocado	1000.0

Search Result :

Clear Search

Plant Content

GREEN-VID
— □ ×

GREEN-VID

HOME

WET MARKET TEST

FRUIT

FLOWER

BOOK

FOOD

EXIT

Plants as Health Treatment

Plant's Name :

Health Benefits :

Common Uses :

ADD

DELETE

EDIT

SEARCH

Name	Health Benefits	Common Uses

RESET

Book Content

GREEN-VID

Sales Report during MCO Covid-19

Book Title :

Category :

Quantity :

Reason :

Book Title	Book Category	Quantity	Reason
------------	---------------	----------	--------

Food Content

GREEN-VID

COVID-19 affect Food

Enter effect here:

6.0 REFERENCES

Coronavirus (COVID-19) origin: Cause and how it spreads. (2020). Retrieved 15 July 2020, from <https://www.medicalnewstoday.com/articles/coronavirus-causes#how-dangerous-is-it>