Criterion B: Design

With the older versions come 2 basic prototypes and one final.

First was the “log in” landing page which I’ve created with a color-pallet in mind.

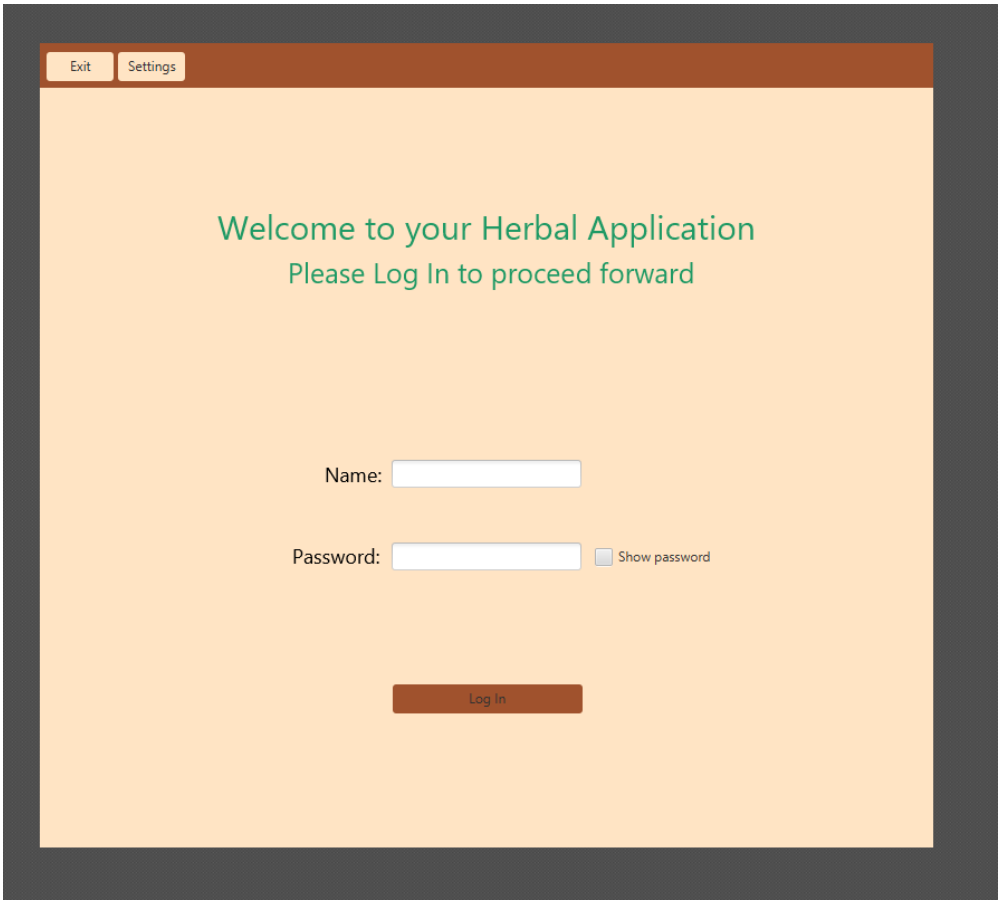


Fig. 1: First log-in prototype page

Then I’ve created a basic graph showing the first prototype.

The whole image can be seen in (**appendix. 3**).

Fig. 2: 1st part of the prototype diagram

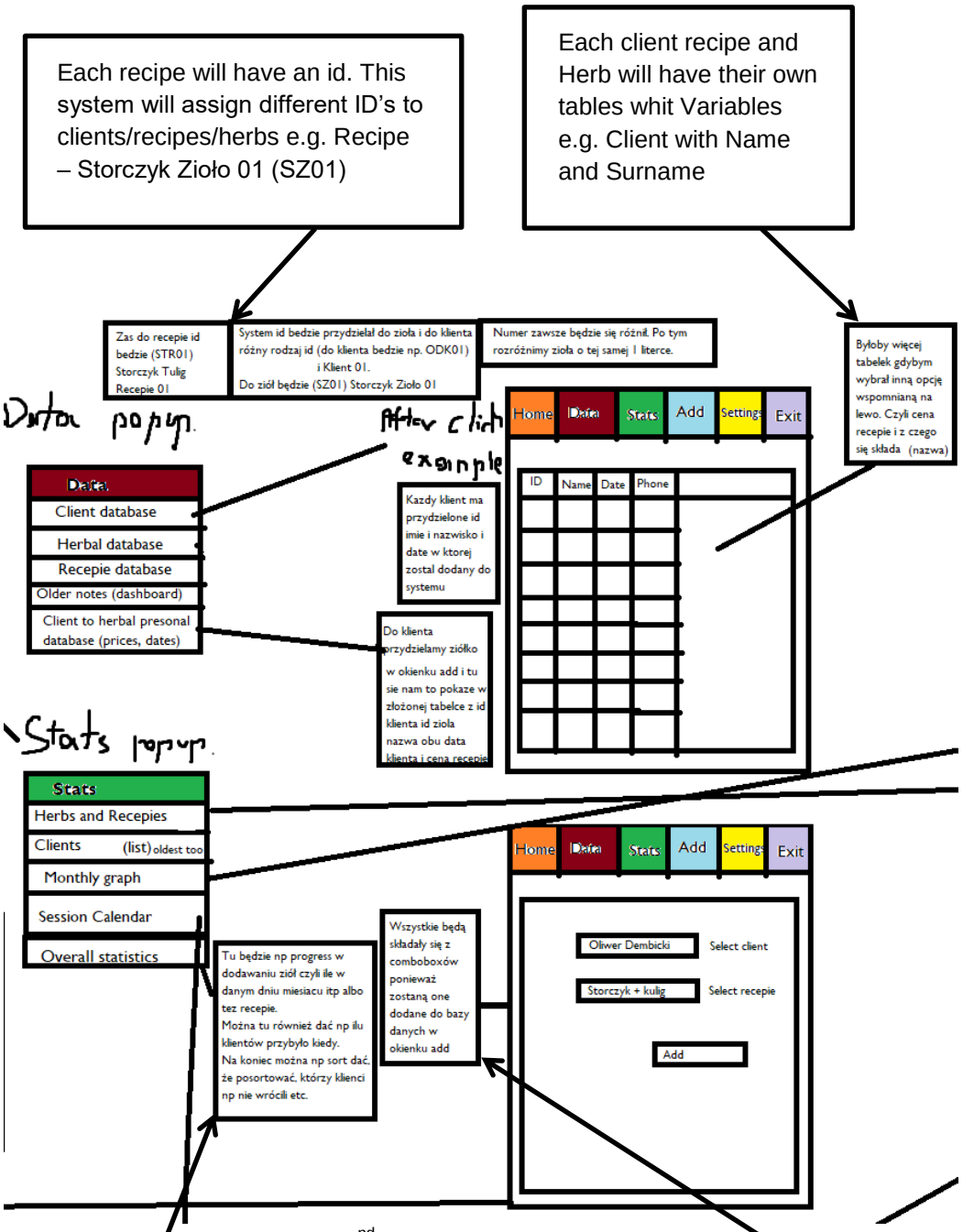


Fig. 3: 2nd part of the prototype diagram

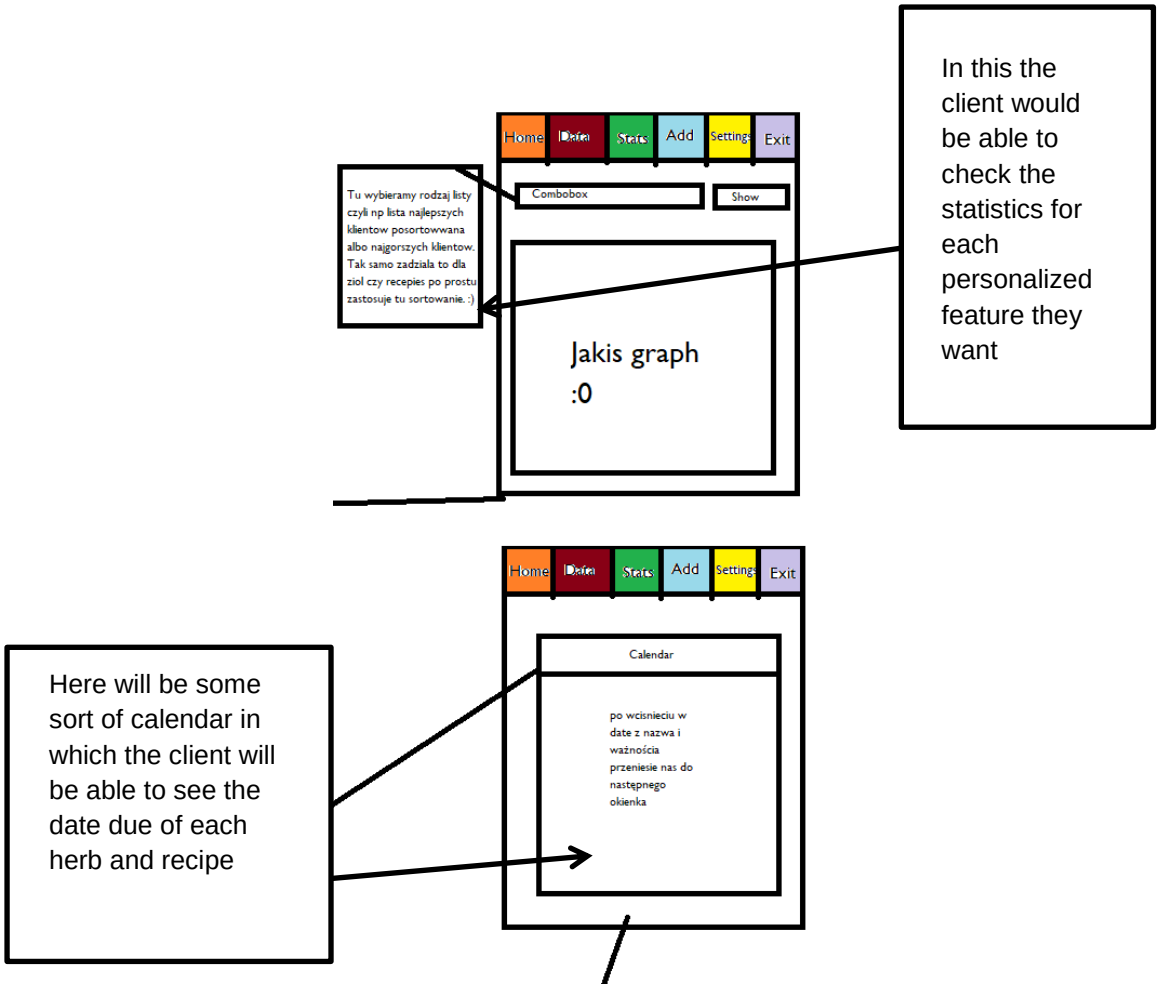


Fig. 4: 3rd part of the prototype diagram

After creating these very intuitive first mock up designs and functions I made up the color pallet and create icons using draw.io.

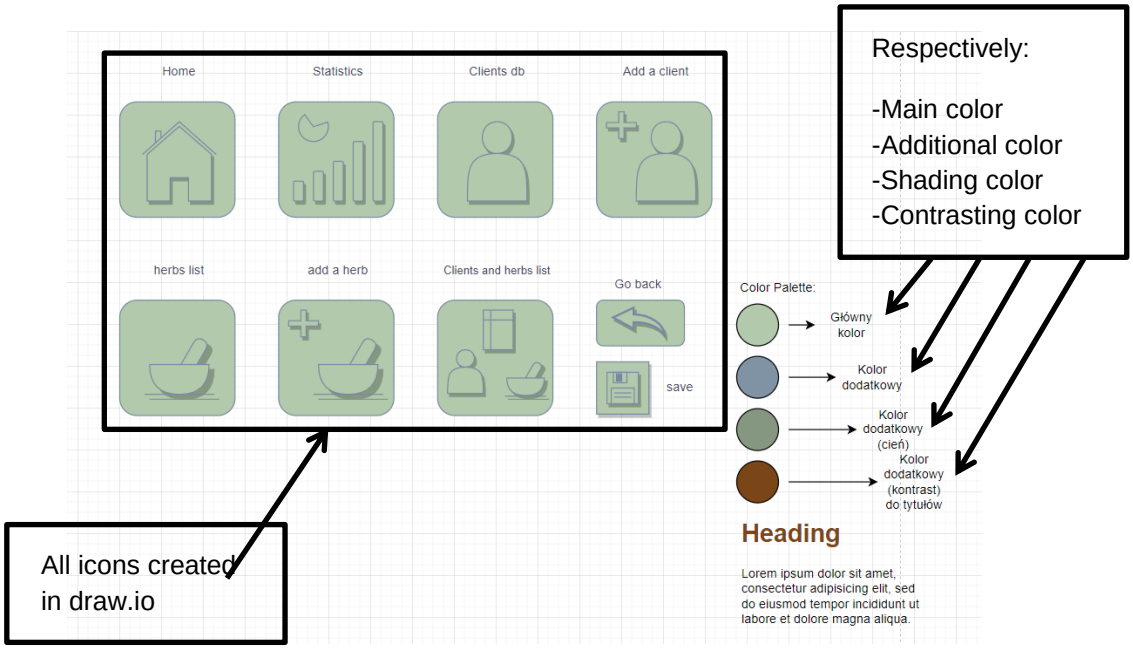


Fig. 5: Icon design and color palette

It's based on changing scenes with GUI on the left side of the screen visible at all times. The final version is based on this design.

Landing Page

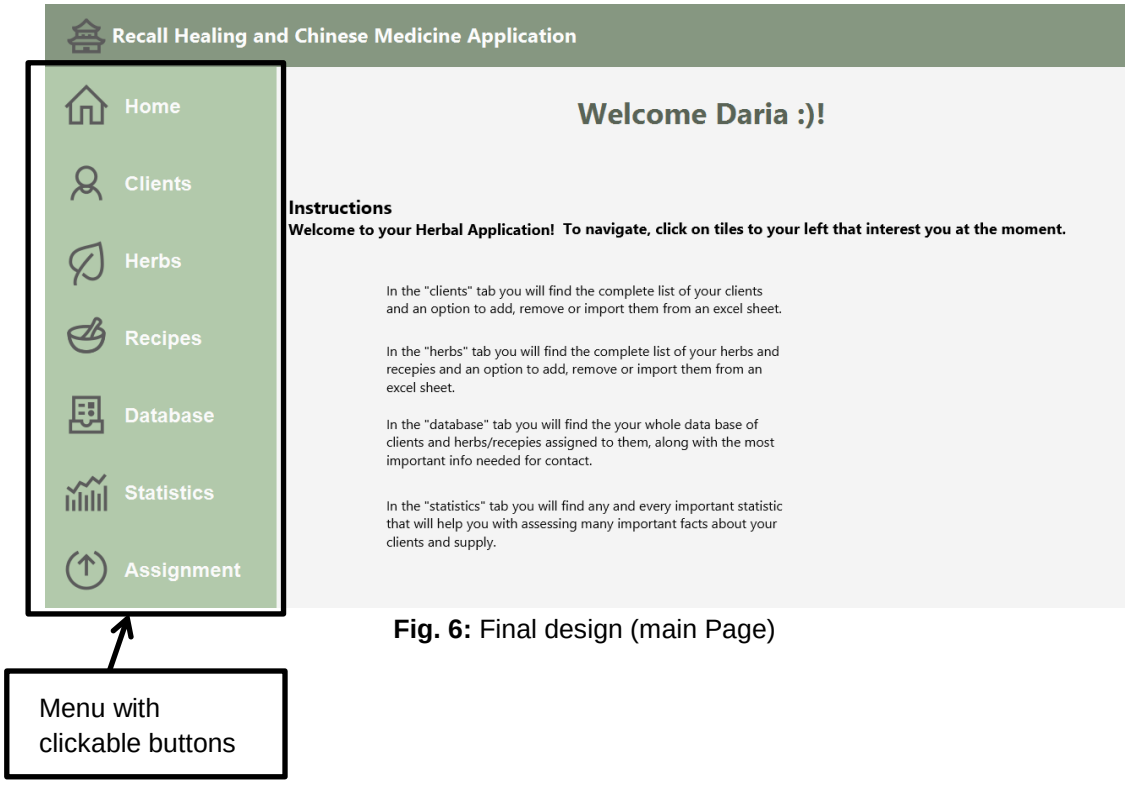


Fig. 6: Final design (main Page)

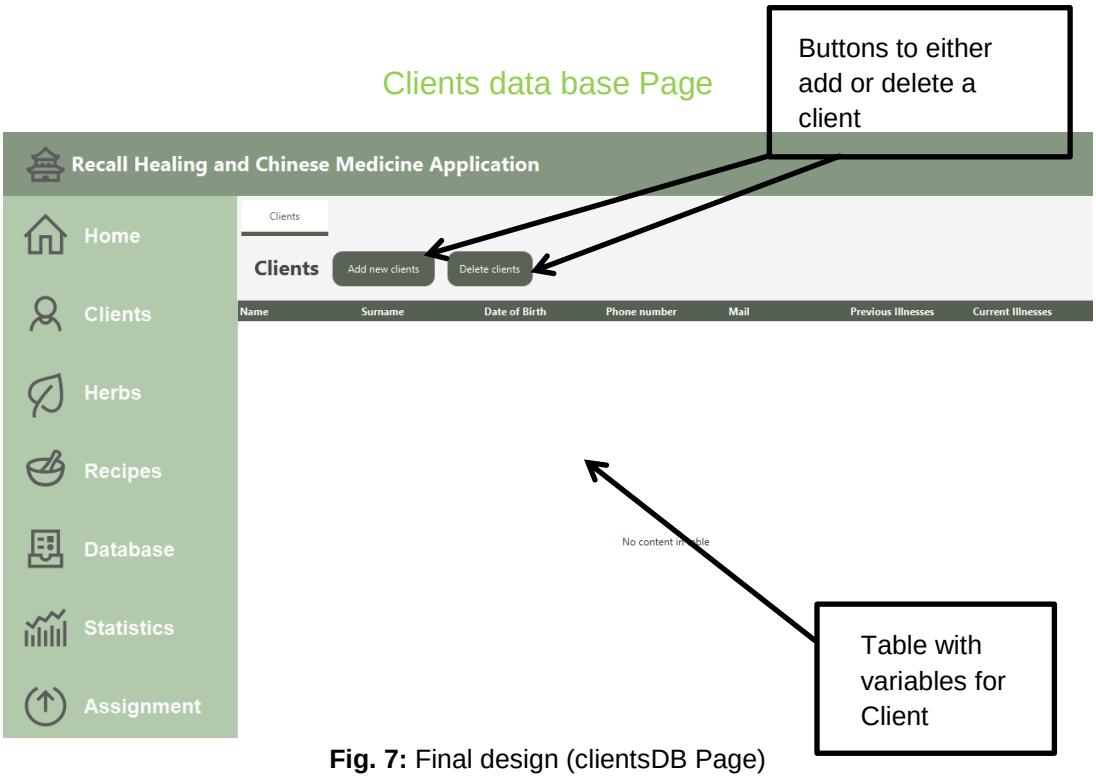


Fig. 7: Final design (clientsDB Page)

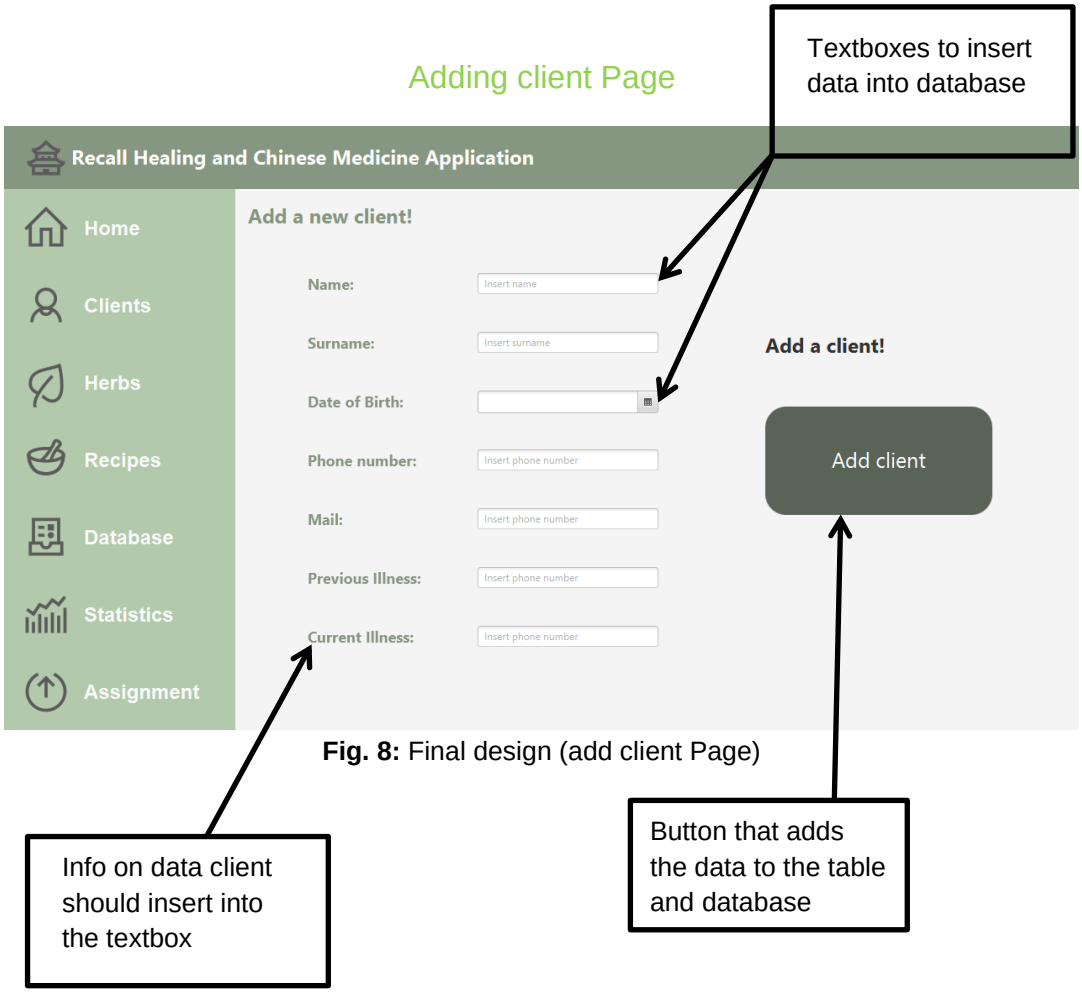


Fig. 8: Final design (add client Page)

Deleting a client Page

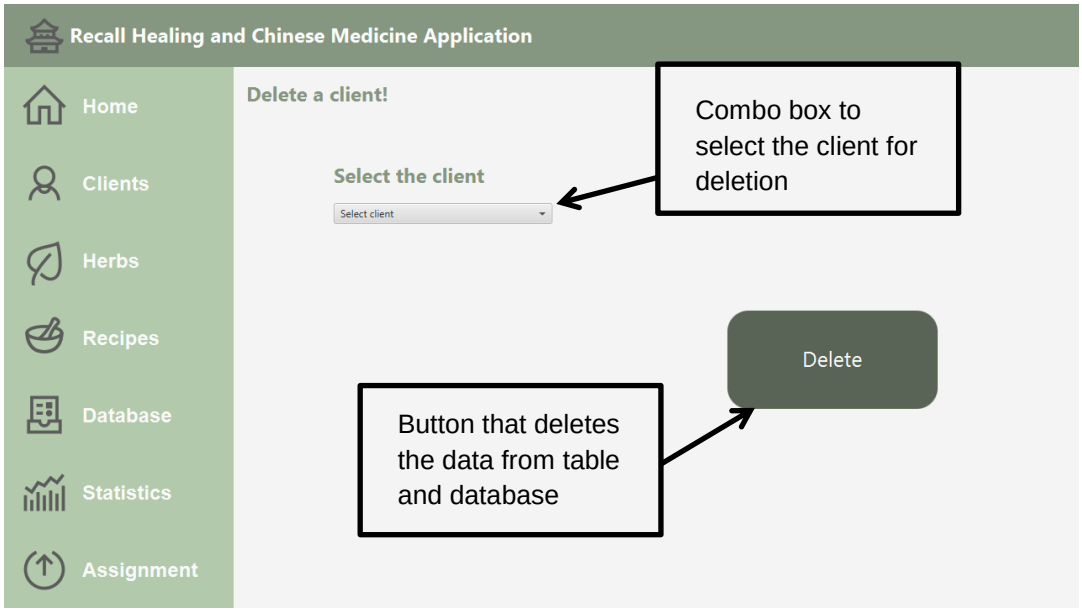


Fig. 9: Final design (delete a client Page)

Assigning an herb Page

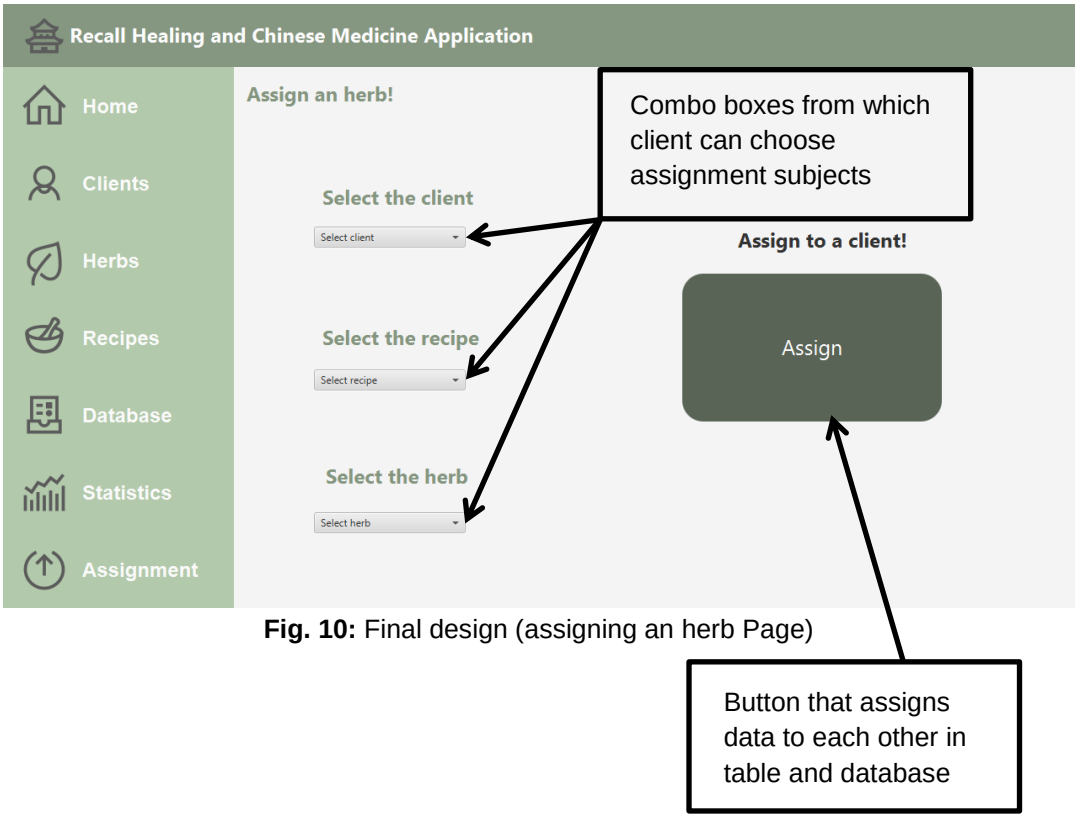


Fig. 10: Final design (assigning an herb Page)

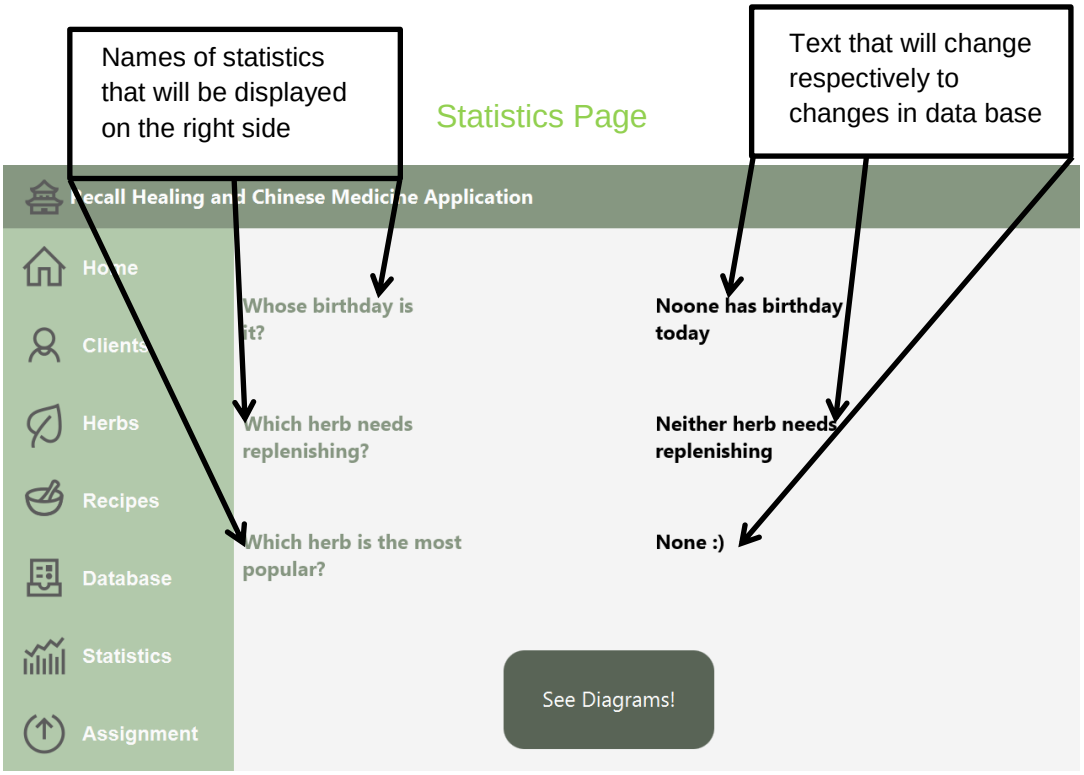


Fig. 11: Final design (statistics Page)

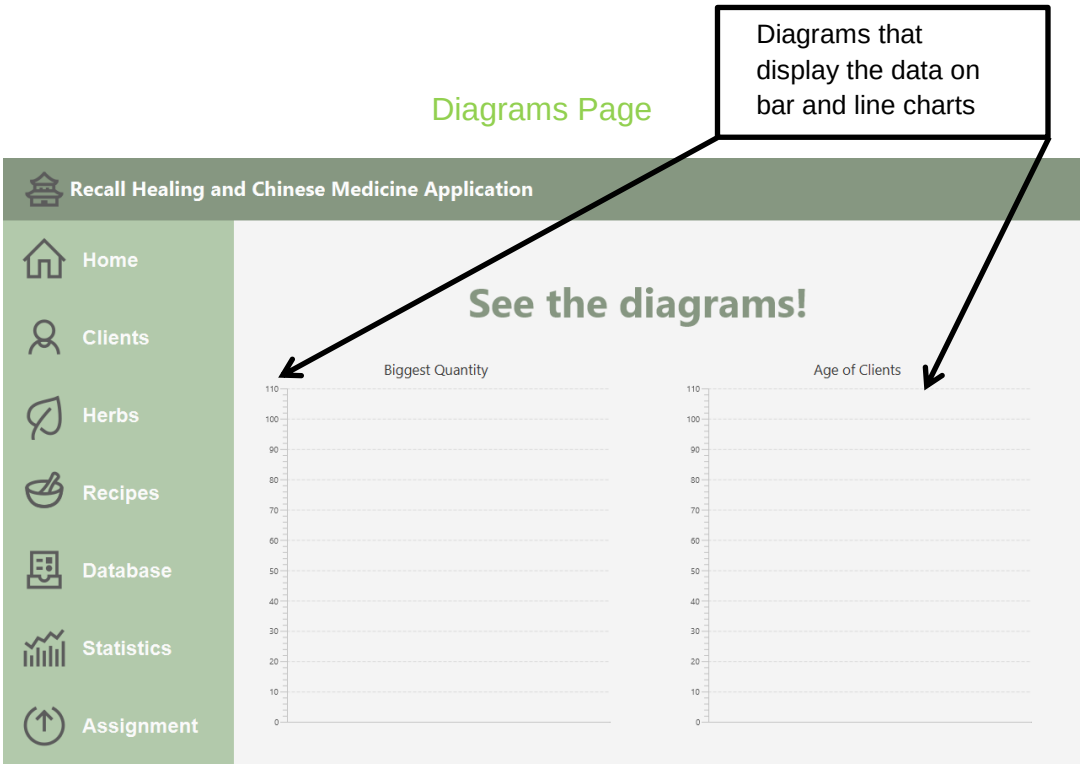


Fig. 12: Final design (diagrams Page)

```
.button
{
-fx-background-color : #B2C9AB;
-fx-background-radius :0em;
}
.button:hover
{
-fx-background-color : #CBDBC7; //*TAKE THE LIGHTER TONE HERE *//
}
.button:pressed
{
-fx-background-color : #869781;
}
```

Fig. 13: Fragment of the CSS code used for stylesheets

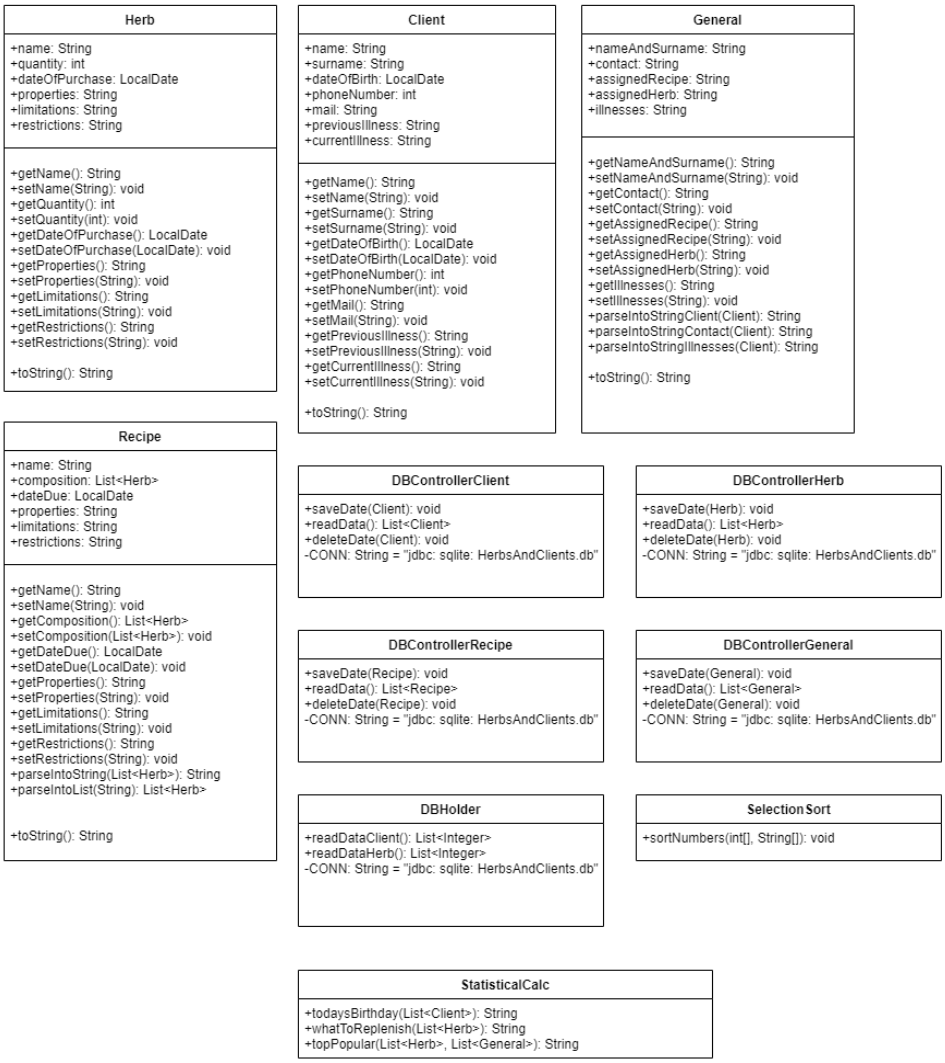


Fig. 14: Java Classes UML Diagram

Client	
Data Type:	Name:
String	Name
String	Surname
String	DateOfBirth
String	PhoneNumber
String	Mail
String	PreviousIllness
String	CurrentIllness

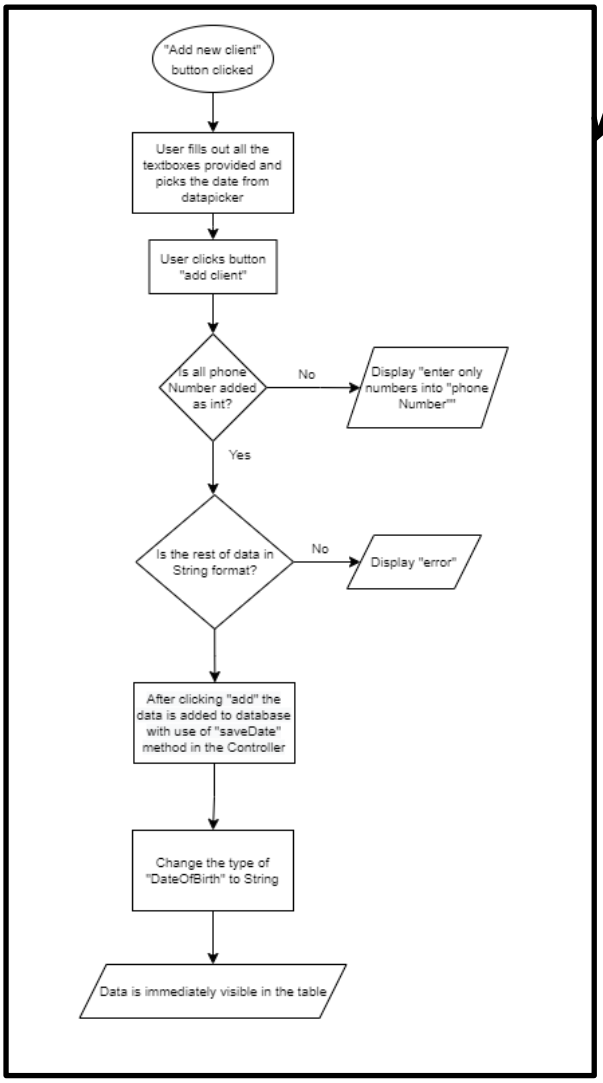
Herb	
Data Type:	Name:
String	Name
Integer	Quantity
String	DateOfPurchase
String	Properties
String	Limitations
String	Restrictions

Recipe	
Data Type:	Name:
String	Name
String	Composition
String	DateDue
String	Properties
String	Limitations
String	Restrictions

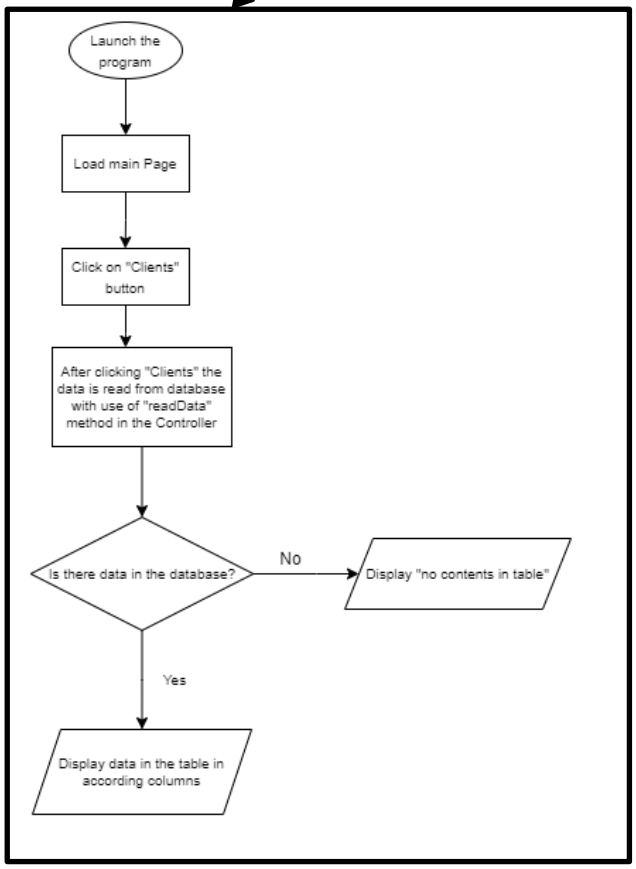
General	
Data Type:	Name:
String	NameAndSurname
String	Contact
String	AssignedHerb
String	AssignedRecipe
String	Illnesses

As for flowcharts:

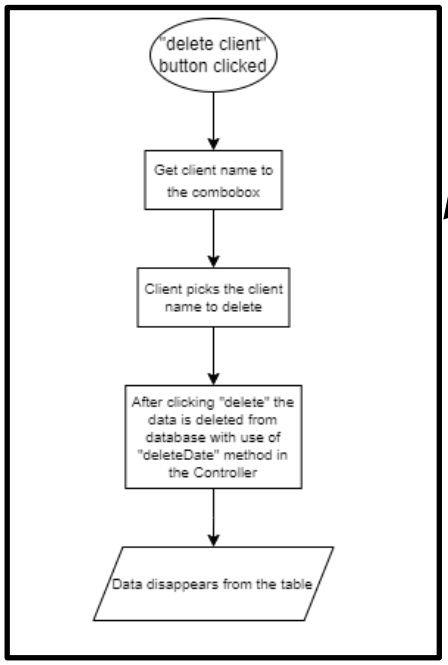
Flowchart for adding client/herb

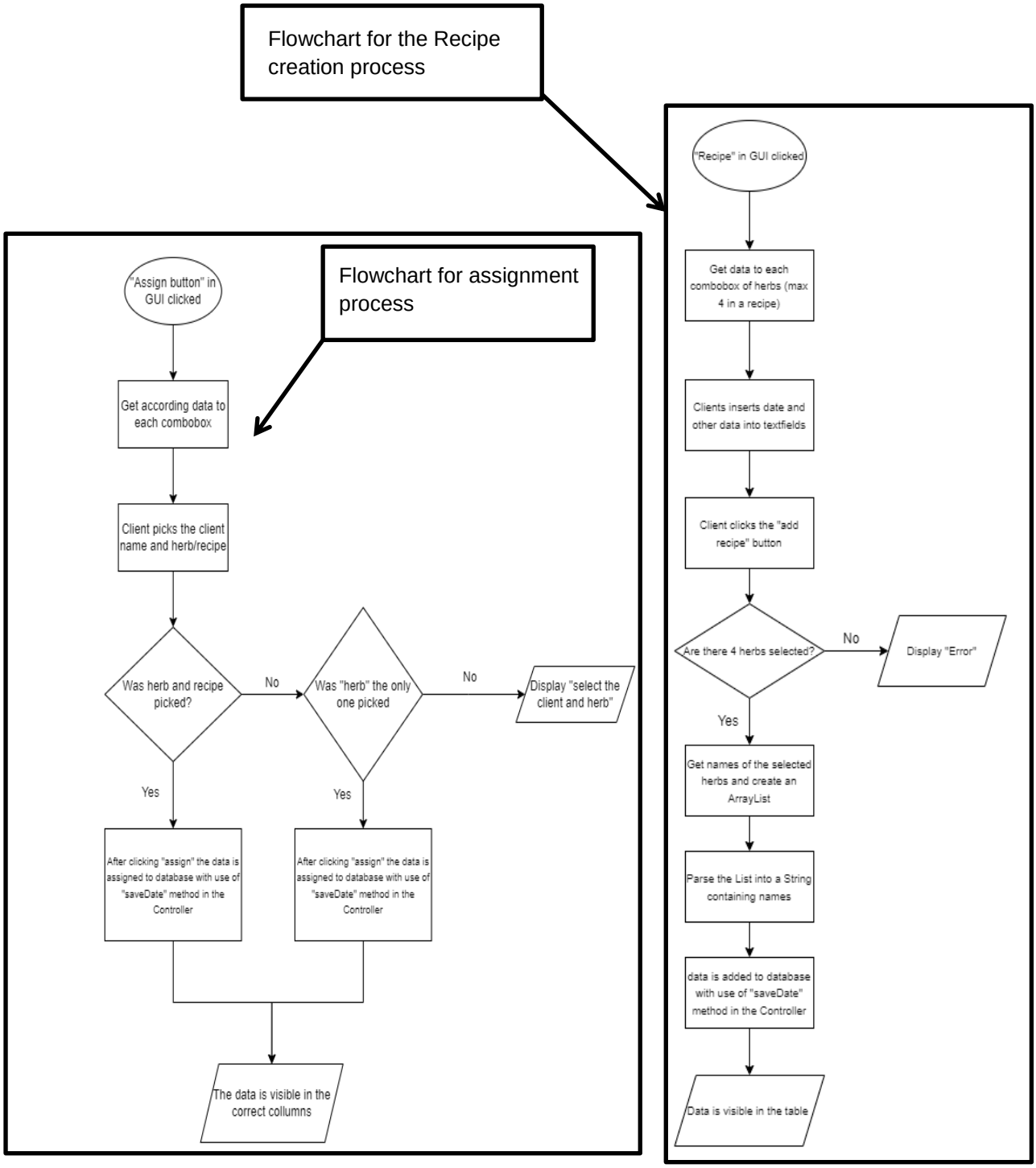


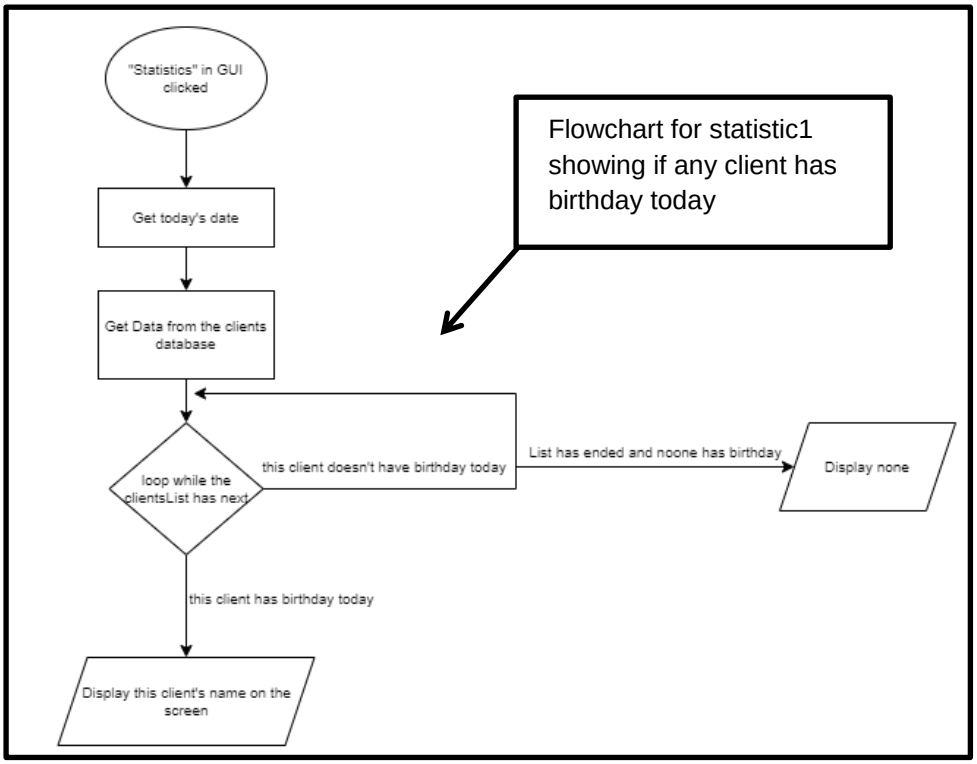
Flowchart for the starting sequence of the software



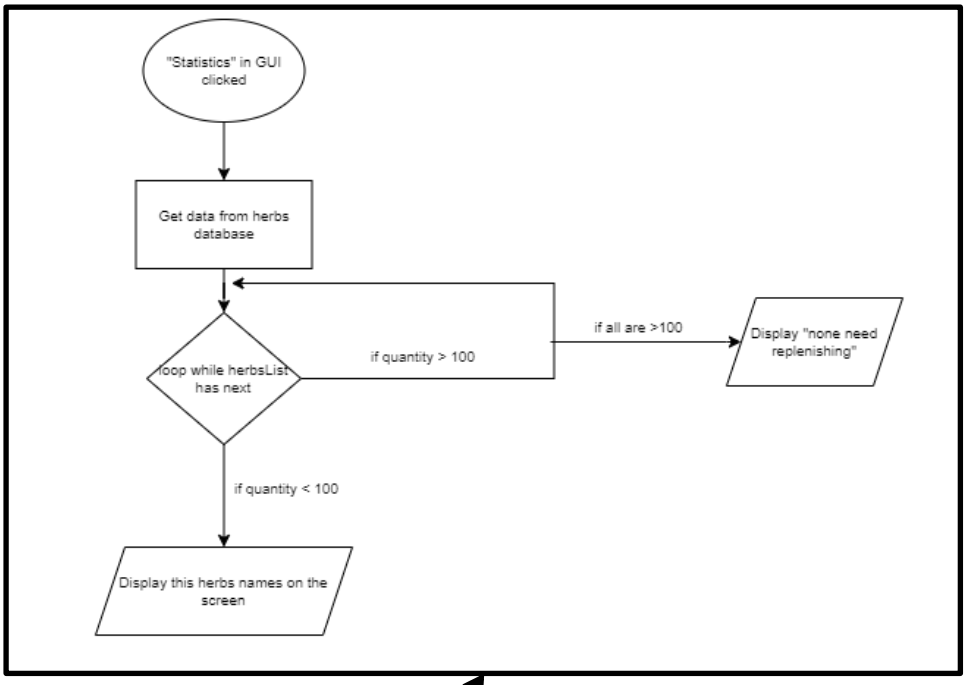
Flowchart for deleting client/herb/recipe




Flowchart for the Recipe creation process
"Recipe" in GUI clicked
Get data to each combobox of herbs (max 4 in a recipe)
Clients inserts date and other data into textfields
Client clicks the "add recipe" button
Are there 4 herbs selected?
No
Display "Error"
Yes
Get names of the selected herbs and create an ArrayList
Parse the List into a String containing names
data is added to database with use of "saveDate" method in the Controller
Data is visible in the table
Flowchart for assignment process
"Assign button" in GUI clicked
Get according data to each combobox
Client picks the client name and herb/recipe
Was herb and recipe picked?
No
Was "herb" the only one picked
No
Display "select the client and herb"
Yes
Yes
After clicking "assign" the data is assigned to database with use of "saveDate" method in the Controller
After clicking "assign" the data is assigned to database with use of "saveDate" method in the Controller
The data is visible in the correct columns



Flowchart for statistic1 showing if any client has birthday today



Flowchart for seeing if any herb needs replenishing

Test plan:

Test type	Nature of the test	Example
After starting the program opens on the main page	Check if the welcome page is displayed	*"Hello [Client]"*
Buttons on the menu are clickable and working	Check if buttons change scenes	Client clicks the "*Herbs*" button and is transported to the "*Herbs*" table
Herb/Client/Recipe can be created	Check if clicking a designated button adds data to data base	Client inputs the data into the program e.g. "Marco Red" which then is visible in the database
After clicking a designated button the data is visible in tables	The data is displayed in table in correct columns	After client clicks "*add client*" the data is visible in table.
After clicking a designated button the data disappears from the tables	The data is terminated from the table	After client clicks "delete client" the data is gone from the table
After selecting Herb/Recipe it can be assigned to some client	Selecting Herbs/Recipes and client to which they will be assigned to	There are 3 combo boxes from which the user can choose data to be assigned
Statistics and graphs display actual information based on input data	Check if statistics change for clients after adding a new one	The number of people of age 25> is bigger after adding one to the DB
All buttons/text fields and combo boxes display the data which they are assigned to	After clicking combo box recipes, they will show up as ones to choose from rather than clients	Client wants to add a new assignment and clicks the combo box with herbs from which they can choose a herb

Word count: 74