

Aim of Project:

In this project, we aimed to ensure that difficulties people have when ordering to be reduced and decreasing the ordering time. For this purpose, we created a simple and effective simulation. The system works as follow:

- At the first step:

When the users entered the system, the two options which are login and registration step are available for customers. Users who are already registered to the system can access easily using their informations in the login step. If the information registered in the system and the information they entered match, the user logs into the system. Users who log in to the system for the first time can create a new account in the registration step.

- At the second step:

The menu which has 7 categories is shown.

When the category is choosen by user, the food options in that category is displayed. User can easily choose and add to the card with its cost in this step. When the ordering process is wanted to be complete by user, the button "Complete the order" is expected to be use.

- At the last step:

The cost is shown and the confirmation of order is requested. If the order is approved, than it is completed. Otherwise, the menu screen is shown again.

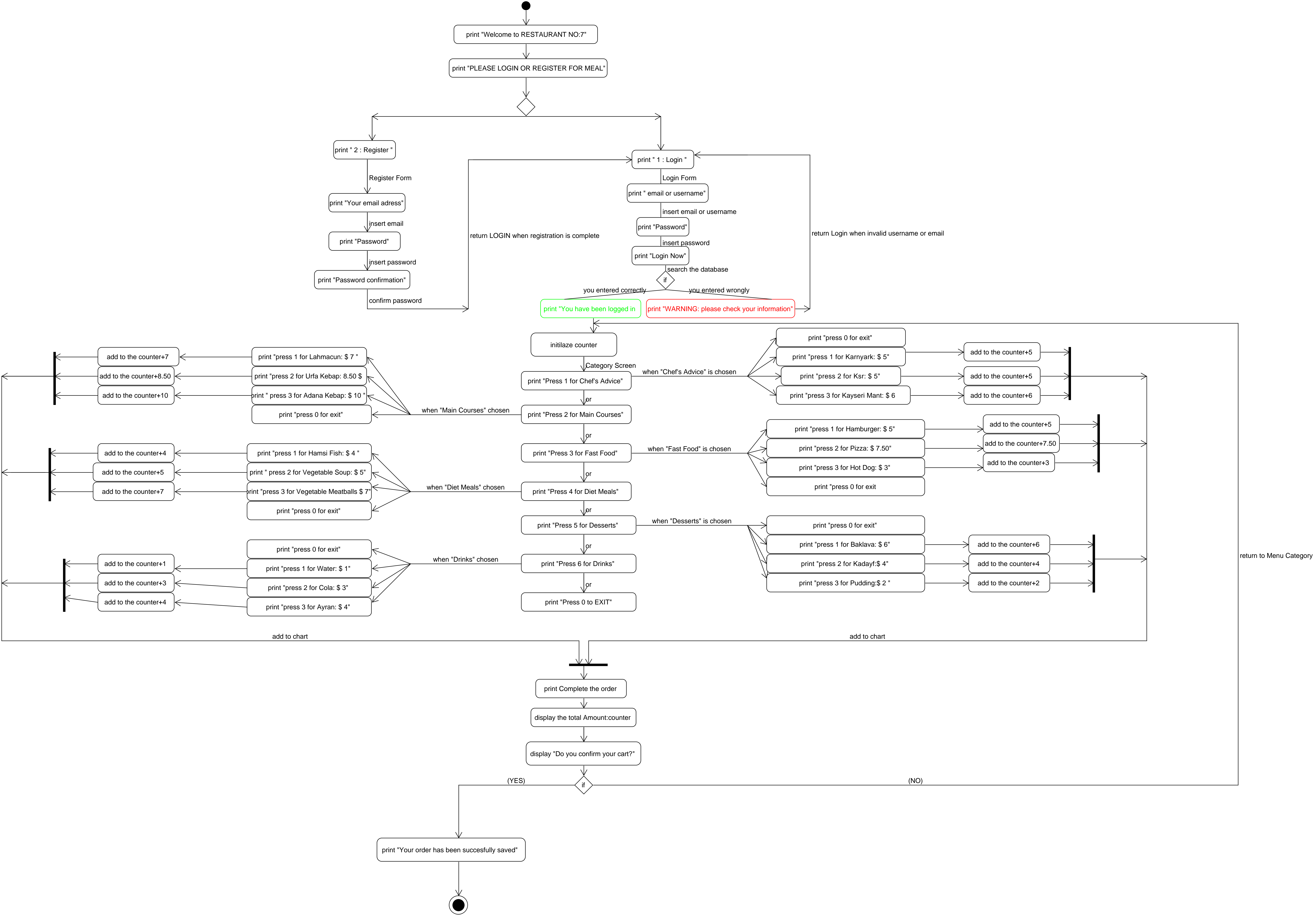
Here are the things we will add to our project:

We would like to add multiple payment options for customers and also create a menu of previous orders for our registered users such that they can see and repeat those orders. Finally, the user who cannot decide what to choose will be able to select a randomly generated menu.

20190601008 Melis Baran

20200601027 Begüm Gençer

20180612003 Nilay Güler




```
1 START
2
3 programRun = TRUE
4 userLogged = FALSE // users which has an account on the system
5 userStatus = "not selected yet"
6 counter =0 // total amount
7 logged_In = FALSE
8
9 Print " Welcome to RESTAURANT NO:7 "
10 Print " PLEASE LOGIN OR REGISTOR FOR MEAL ORDER "
11
12 // Define the userStatus
13 if ( userLogged != TRUE ) // if user have not logged into the system,2 options(login or register) is printed.
14     print "1 : Login"
15     print "2 : Register"
16 else // if user have already logged into the system,the menu will be shown .
17     // Print Main Menu
18     print "0 : EXIT"
19     print "3 : OPEN MENU"
20 end if
21
22 read userStatus // user choose one of the options(login,register,exit,open menu)
23
24 if ( userStatus == "1" ) //if user's chooise is 1,login screen is opened.
25     login_screen();
26 else if ( userStatus == "2" )
27     register_screen();
28 else if ( userStatus == "3" )
29     check_menu()
30 else if ( userStatus == "0" ) // if user's chooise is exit ,loop ends with the break command and
31     BREAK LOOP
32
33
34
35
36
37 while( programRun )
38
39     new function register() // If user has not an account,registration process is started.
40
41         // Register Form
42         print "Your Email Address:"
43         readIn(insert_email) // email ,password,address are entered and being logged into the database
44         print "Password"
45         readIn(insert_password)
46         print "Password Confirmation"
47         readIn(insert_password_confirmation)
48         print "Please enter delivery address:"
49         readIn(insert_location)
50
51         print "Register Now" // registration process is completed.
52     end function
53
54
55
56 // Login Screen is opened
57 while ( logged_In != FALSE ) // At the starting,we defined logged_In to be false and as long as it remainsfalse,loop continue to work.
58
59     // Login Form
60     print "Email or Username:"
61     readIn(username)
62     print "Password"
63     readIn(password)
64
65     print "Login Now" // users which have an account on the system load into the system.
66
67
68     if ( username && password == DATABASE_VALIDATED ) // username and password are confirmed by database.
69         userLogged = TRUE // if username and password match with the datas,the system allow user to login
70         print "You have been logged in"
71     else
72         print "WARNING: Please try again" + "or register" // otherwise, 2 options are shown to user
73     end if
74 end while
75
76
77
78
79 // Category screen is opened
80 menu_categories = ( //the array menu_categories which's length is 8 is defined
81     0 : EXIT, // When the user don't want to choose anything
82     1 : Chefs Advice,
83     2 : Main Courses,
84     3 : Fast Food,
85     4 : Diet Meals,
86     5 : Desserts,
87     6 : Drinks,
88     7 : Our choose,
89 )
90
91 read get_category // the user enter a category
92
93 new function random_meal_choose() // this function provides user to choose meal randomly by computer.It is just suggest
94
95     choose_category = get_random(2, (menu_categories length - 1)) // category is chosen randomly from the between 2.and 7.elements of menu category
96
97     random_meal = choose_menu(get_random(1, choose_menu length -1)) // meal is chosen randomly from the choosen category
98
99     choose_meal = random_meal
100     Print Dou you confirm ? // Suggested meal is asked to be confirm by user
101     Print YES
102     Print NO
103     if(YES)
104         add to cart // suggested meal is added to cart with its fee
105         increase counter
106         Print Enter the quantity // the quantity of choosen meal is asked and entered.
107         input quantity
108     else
109         end if // if suggested meal is not confirmed,the function ends
110 end function
111
112 chefsadvice = ( // arrays of categories is defined as shown below.
113     0 = Exit
114     1 = Karniyarik: $ 5 //
115     2 = Kısır: $ 5
116     3 = Kayseri Manti: $ 6
117 )
118 read get chefsadvice
119 add to cart
120 Print Enter the quantity
121 input quantity
122
123 if(user'schooise=1)
124     counter=counter+5
125 else if (user'schooise=2)
126     counter=counter+5
127 else
128     counter=counter+6
129
130
131 maincourses= (
132     0 =EXIT
133     1 = Lahmacun:$ 7
134     2 = Urfa Kebap: $ 8.50
135     3 = Adana Kebap: $ 10
136 )
137
138 read get_maincourses // not selected yet
139 add to cart
140 Print Enter the quantity
141 input quantity
142
143 if(user'schooise=1)
144     counter=counter+7
145 else if (user'schooise=2)
146     counter=counter+8.5
147 else
148     counter=counter+10
149
150
151 fastfoods=(
152     0 = EXIT
153     1 = Hamburger:$ 5
154     2 = Pizza:$ 7.50
155     3 = Hotdog:$ 3
156 )
157
158 read get_fastfoods
159 add to cart
160 Print Enter the quantity
161 input quantity
162
163 if(user'schooise=1)
164     counter=counter+5
165 else if (user'schooise=2)
166     counter=counter+7.5
167 else
168     counter=counter+3
169
170
171 dietmeals=(
172     0 = EXIT
173     1 = Hamsi Fish:$ 4
174     2 = Vegetable Soup:$ 5
175     3 = Vegetable Meatballs:$ 7
176 )
177 read get_dietmeals
178 add to cart
179 Print Enter the quantity
180 input quantity
181
182 if(user'schooise=1)
183     counter=counter+4
184 else if (user'schooise=2)
185     counter=counter+5
186 else
187     counter=counter+7
188
189
190
191 desserts=(
192     0 = EXIT
193     1 = Baklava:$ 6
194     2 = Kadayif:$ 4
195     3 = Pudding:$ 2
196 )
197 read get_desserts
198 add to cart
199 Print Enter the quantity
200 input quantity
201
202 if(user'schooise=1)
203     counter=counter+6
204 else if (user'schooise=2)
205     counter=counter+4
206 else
207     counter=counter+2
208
209
210 drinks=(
211     0 = EXIT
212     1 = Water:$ 1
213     2 = Cola:$ 3
214     3 = Buttermilk:$ 4
215 )
216 read get_drinks
217 add to cart
218 Print Enter the quantity
219 input quantity
220
221 if(user'schooise=1)
222     counter=counter+1
223 else if (user'schooise=2)
224     counter=counter+3
225 else
226     counter=counter+4
227
228 Print Complete the order // 2 options are shown (complete or continue)
229 Print Continue the order
230
231 if(complete the order) // when the order completed,total amount is wanted to be confirmed.
232     Display Total Amount:counter //when the confirmation complete,process is ended.
233     Display Do you confirm your cart? // If the confirmation is not confirmed,menu cstegories are shown again.
234     Print YES
235     Print NO
236     Read choice
237     if(YES)
238         Print Your order has been successfully saved
239         Print cart
240         break loop
241     else
242         menu_categories()
243
244 end while LOOP
245 END
```