Criteria B

Design overview:

Wireframe:

Figure 1.1 - web landing page
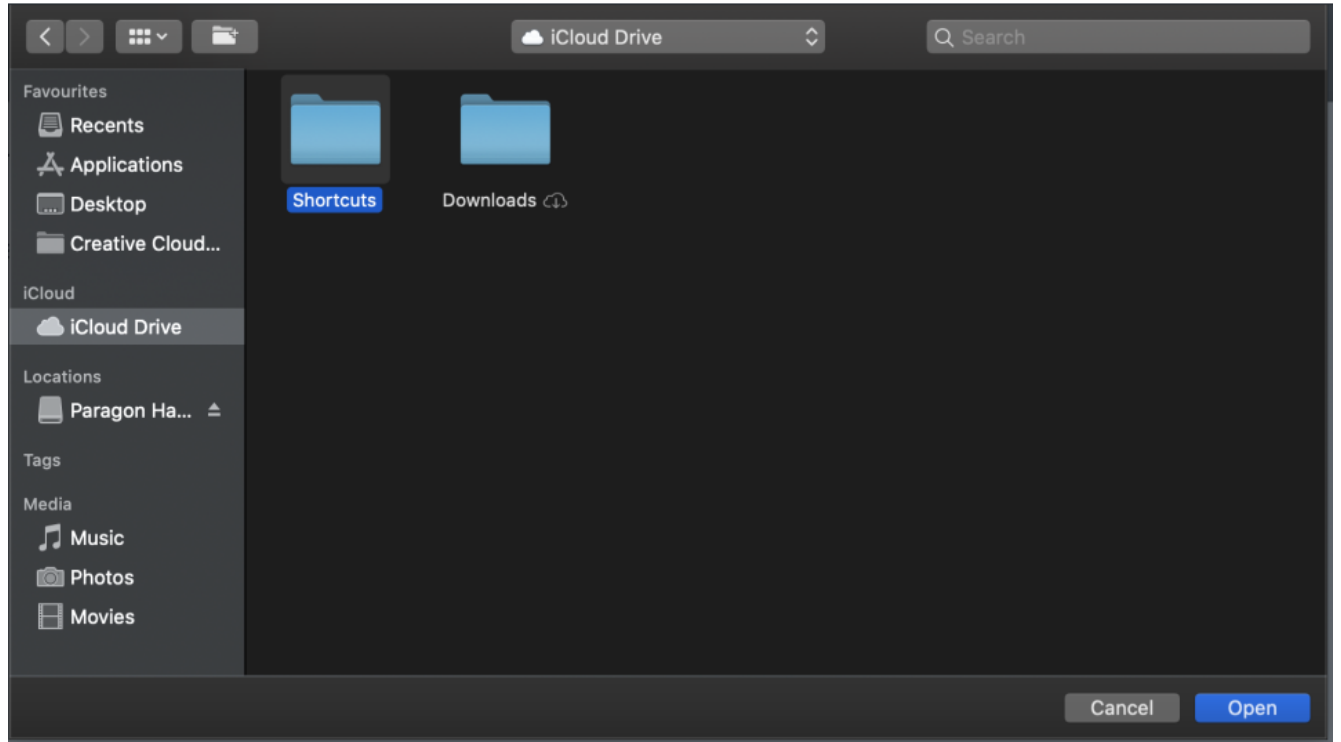
Figure 1.2 - file upload page/ system dialogue box

Meal generator

Please choose

Generates meals
from database

generate

Veiw logs

Views saved
past meals
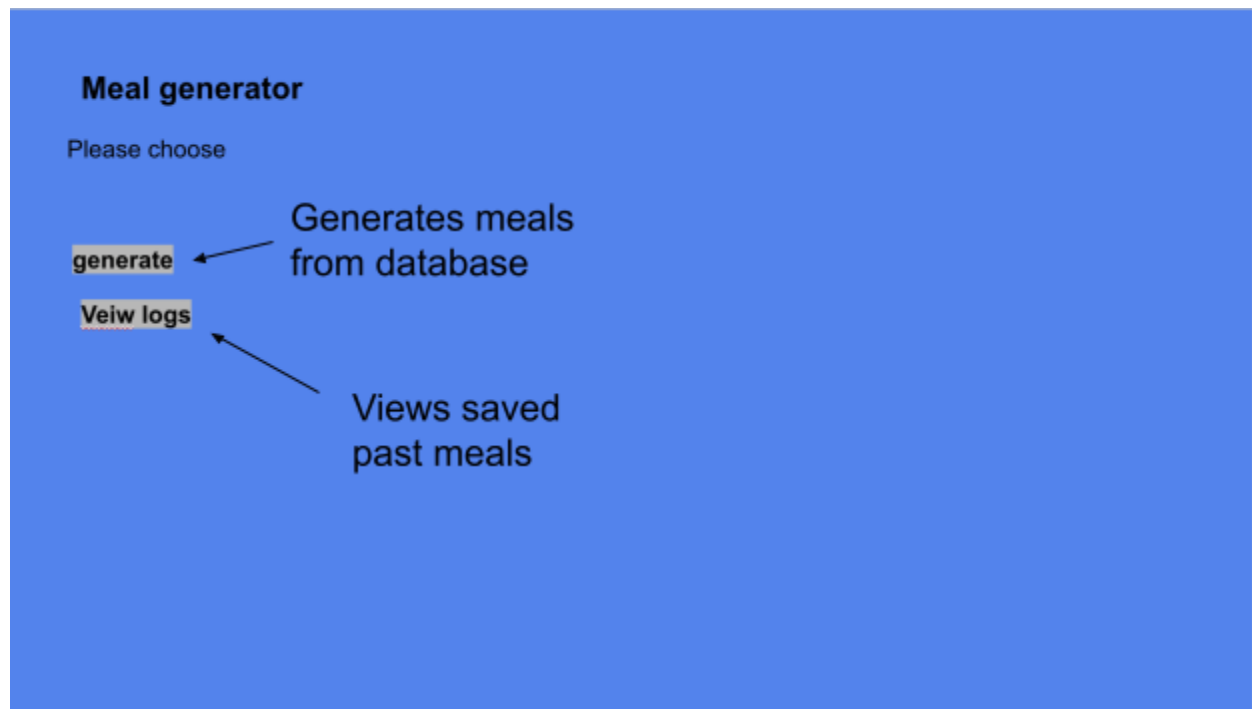
1.3 page that follows file upload

The day today: monday

generate a meal for this week?

sunday:lasagna
Monday:pizza
Tuesday:chicken roll
Wednesday:tacos
Thursday:steak with mashed potatoes
Friday:pasta
saturday:kebab

How do you feel about the generated meu?
Save and email menu   re-generate

Recreates the weekly menu
with new meals, stays in the
same page
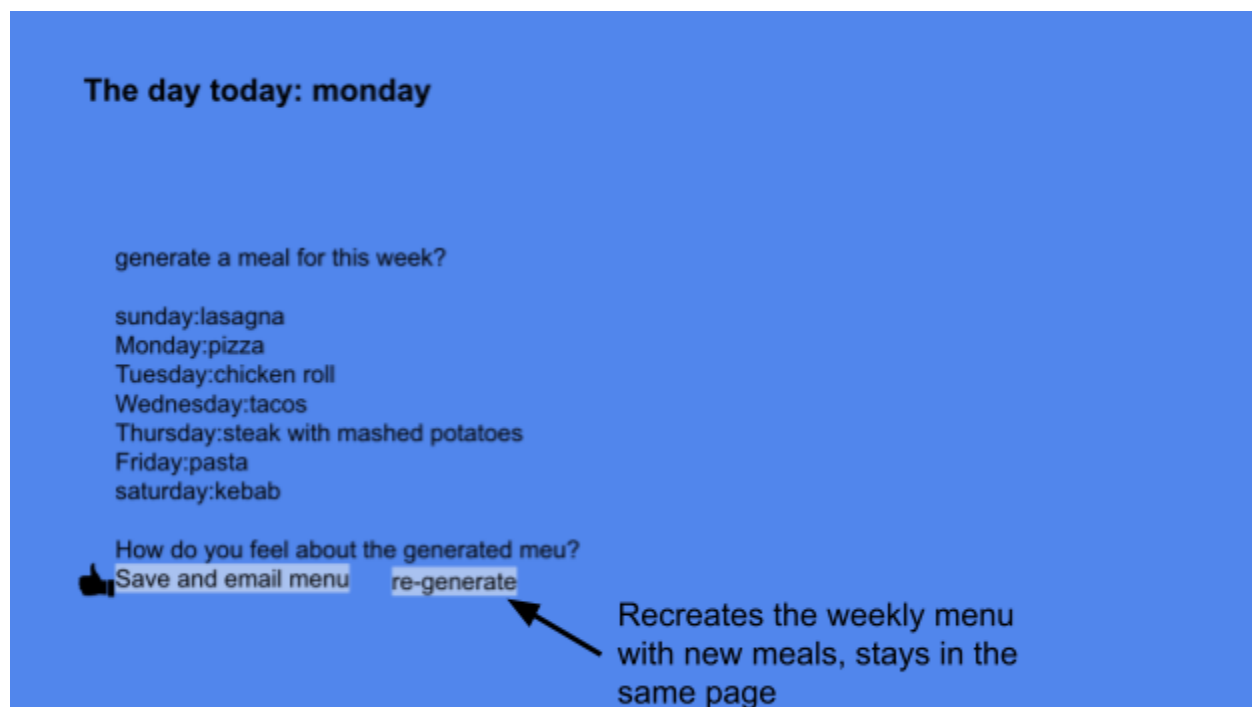
Figure 1.4 web page of menu generated V1

Meal generator

Sunday:lasagna
Monday:pizza
Tuesday:chicken roll
Wednesday:tacos
Thursday:steak with mashed potatoes
Friday:pasta
saturday:kebab

regenerate

Save and
download ← Saves and logs the meal plan into the
database and redirects to new page to
download
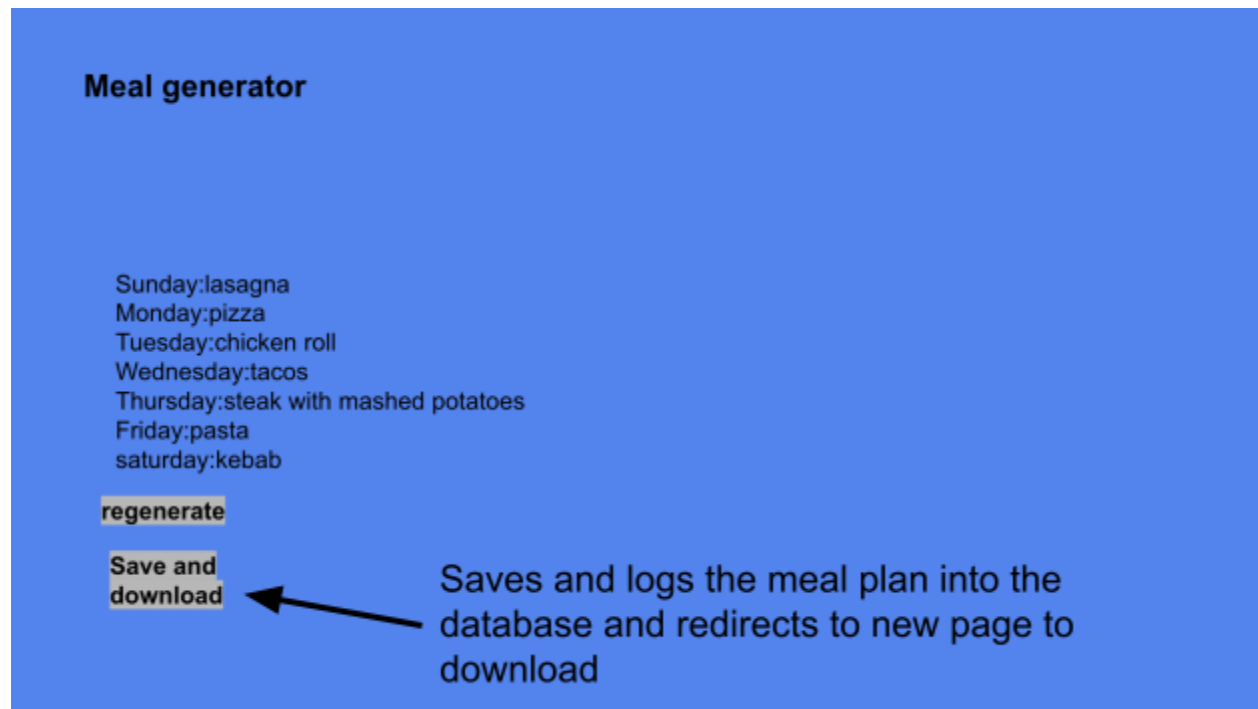
Figure 1.5 web page of menu generated V2

The menu seen below

sunday:lasagna
Monday:pizza
Tuesday:chicken roll
Wednesday:tacos
Thursday:steak with mashed potatoes
Friday:pasta
saturday:kebab

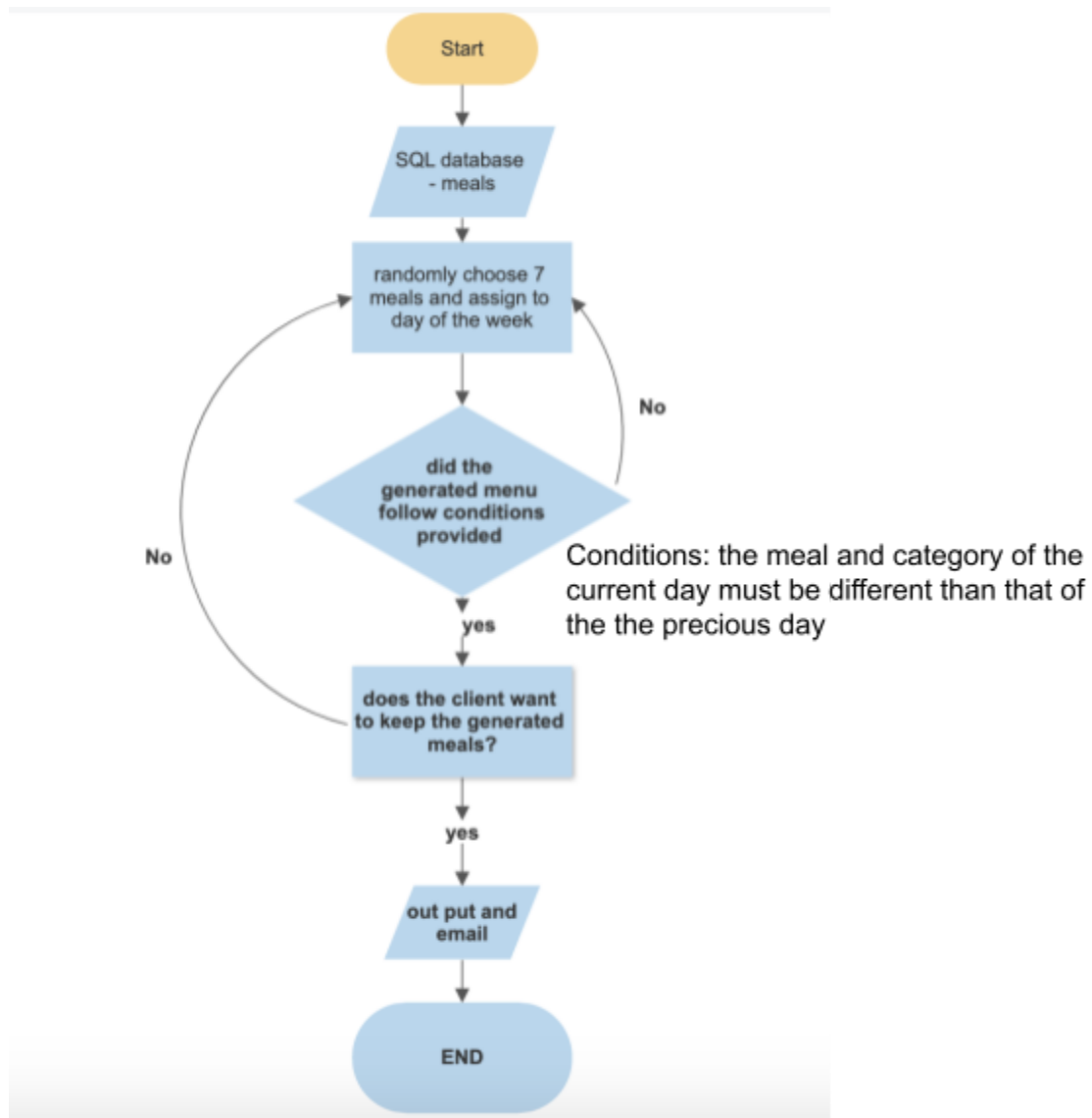**Has been emailed to m.izemrane@yahoo.com**
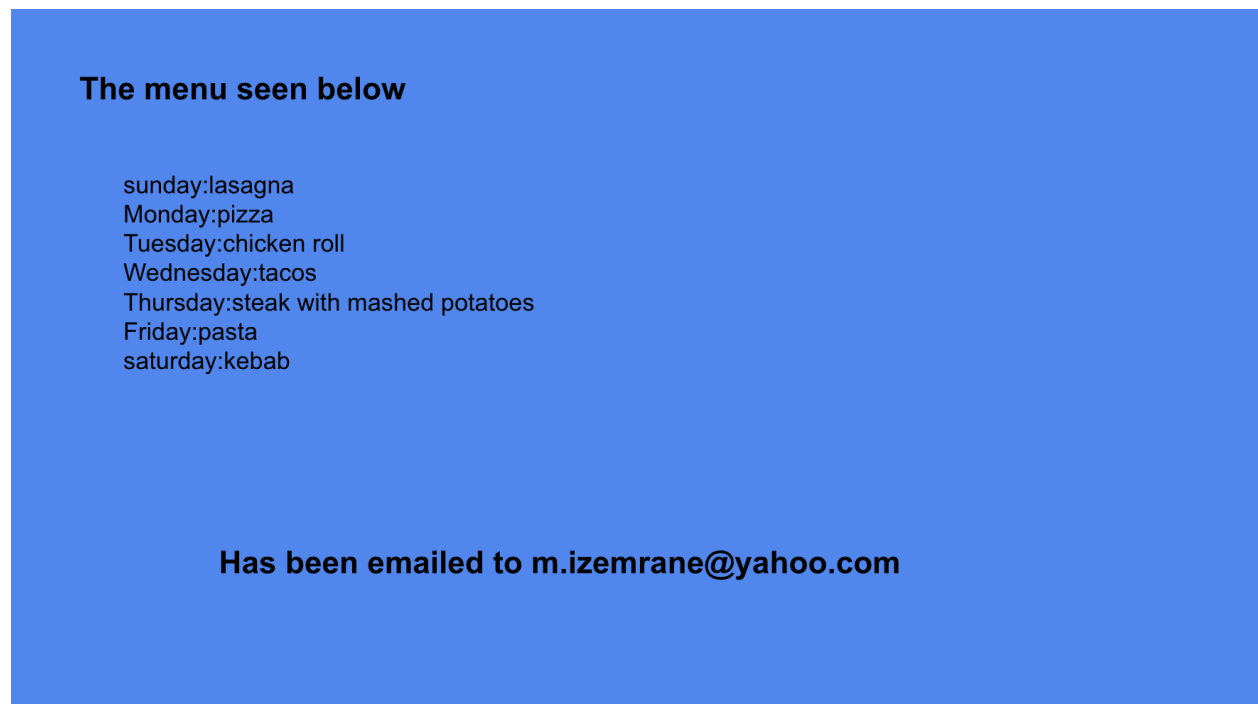
Figure 1.6 menu saved V1

Menu saved

Sunday:lasagna
Monday:pizza
Tuesday:chicken roll
Wednesday:tacos
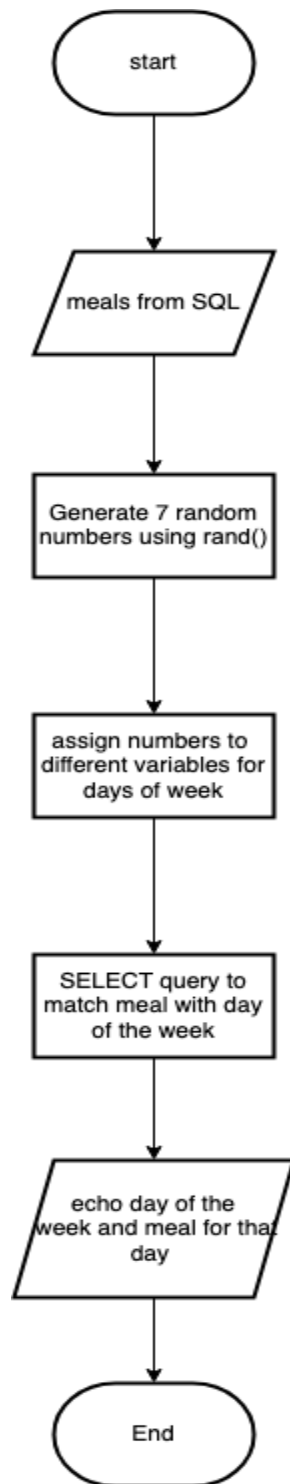Thursday:steak with mashed potatoes
Friday:pasta
saturday:kebab

download

Figure 1.7 menu saved V2

Flowchart:

Start

SQL database
- meals

randomly choose 7
meals and assign to
day of the week

did the
generated menu
follow conditions
provided

No

Conditions: the meal and category of the
current day must be different than that of
the the precious day

No

yes

does the client want
to keep the generated
meals?

yes

out put and
email

END

Figure 2.1 flowchart for menu generation V1

start

meals from SQL

Generate 7 random numbers using rand()

assign numbers to different variables for days of week

SELECT query to match meal with day of the week

echo day of the week and meal for that day
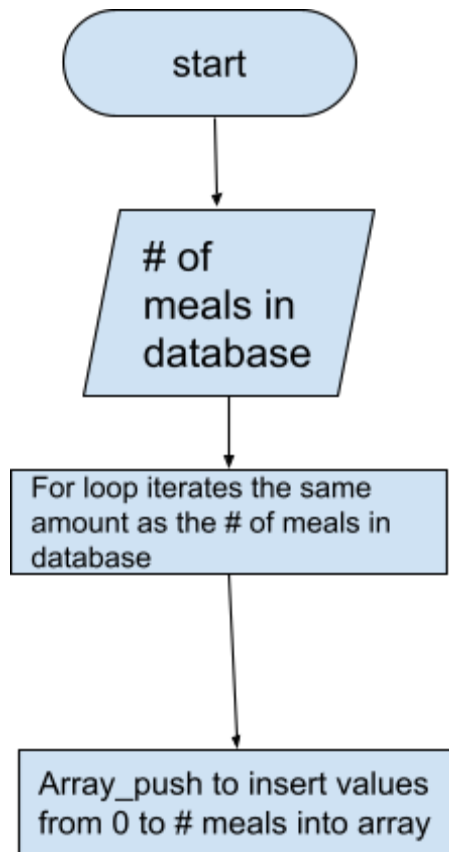
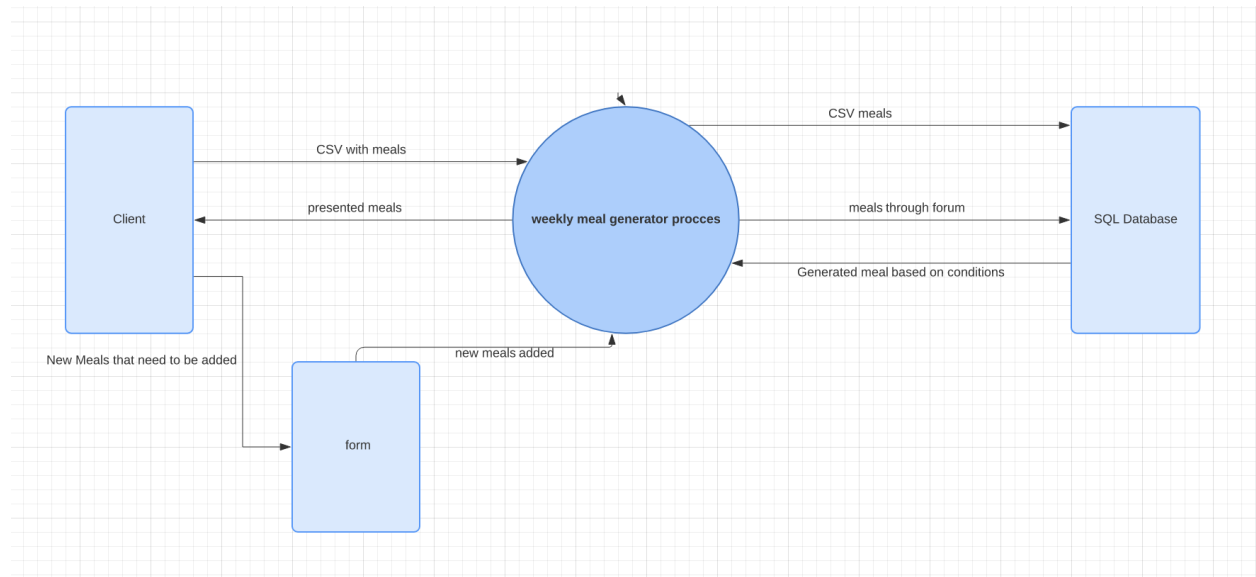End

Figure 2.2 flowchart for meal randomization V1
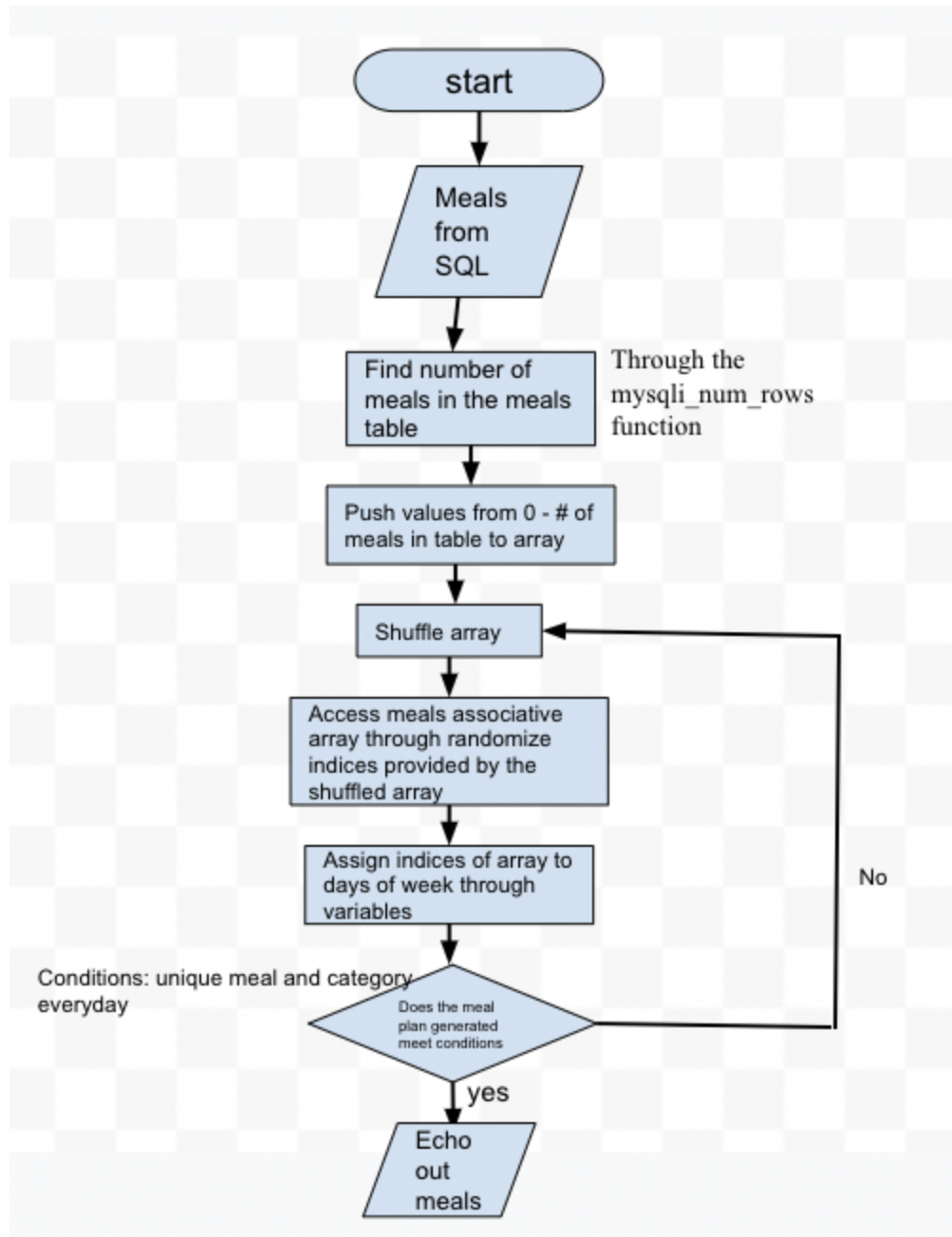
Figure 2.3 flowchart for meal generation V2

Figure 2.4 flowchart for pushing values into array

dataflow:

Figure 3 dataflow of system

Test plan:

Success criteria #	description	How will it be tested	Expected result
1	a place where clients can upload csv files.	Upload a csv file and check if it imports it to the SQL table, Upload a non csv file and check if it rejects it .	A automated inset of csv contents in MySQL
2	To be able to spit out a meal for each day of the week	The system would have a section where all days of the week are listed where meals should be available for each day	A different meal associated with each day of the week
3	To be able to redo and ask to remake the menu	A input button that will tell the program and algorithm to re	A different output of different meals per day for each day of

		run and produce a new menu	the week.
4	Provide different meals for each day of the week	The systems interface provides a section where days of the week have place holders for the meal corresponding for that day	No duplicate meals through the week
5	To use the meals from the csv file to make the schedule	By making sure the program is using the contents from the csv file to generate	No external meals generated
6	Have a clear and aesthetic user interface	Clear communication with client on interface wants and styling requirements	Based off client judgment
7	Can be used by all members of the family	Interview other members of the family to test if it is usable by them and if changed need to be made	For all members of the family to be able to use the system with little to no aid
8	Must follow conditions provided by clients regarding generation and meal placement	Will generate various outputs and test if the output follows the conditions the client provided	For all conditions provided by client to be followed and adhered to