
RESTAURANT MANAGEMENT SYSTEM USING ASSEMBLY LANGUAGE PROGRAMMING

GROUP NO - 3

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ABSTRACT

With the modernization, the restaurant culture is increasing day by day. Everyone prefers to go to an outlet and eat there especially on weekends . With the increase in the demand for the restaurant culture the possibility of the human error and wastage of time also increases . Due to limited amount of staff available to service it could lead to a lot of wastage of time . This has led to long queues and waiting time . In this project we are designing , developing and testing an assembly language code program to be used in a restaurant generally referred as restaurant management system . This software is built on 8086 and hence it has very little to no need of specialized hardware and can perform tasks very quickly and accurately. Such a system is portable lightweight and easy to mass-produce thus having a huge scope in small scale restaurants

Detailed Task Layout

Task	Start Date	End date	Duration
project start off	09/08/21	14/08/21	5
team members selection	14/08/21	18/08/21	4
project title approval	18/08/21	21/08/21	3
research and analysis	21/08/21	25/08/21	4
Learning the basics	21/08/21	30/08/21	9
Gathering tool information	30/08/21	09/09/21	10
Review 1	09/09/21	10/09/21	1
Cat 1	12/09/21	18/09/21	6
Initializing and setting up git repository	19/09/21	25/09/21	6
initial commits	25/09/21	30/09/21	5
development of 30%	30/09/21	14/10/21	14
review 2 based preparation	14/10/21	24/10/21	10
Cat 2	24/10/21	31/10/21	7
development of 70%	01/11/21	15/11/21	14
document preparation of final report	10/11/21	25/11/21	15
project developed 100%	20/11/21	30/11/21	10
report submission	30/11/21	10/12/21	10

TOOLS REQUIRED

- 1) Assembler for asm
- 2) 8086 chipset
- 3) Assembly language editor
- 4) A target machine on which the program shall be executed
- 5) Git and Github

Fortunately the needs of 1-3 are satisfied by the emu8086 application which has been licensed by our University.

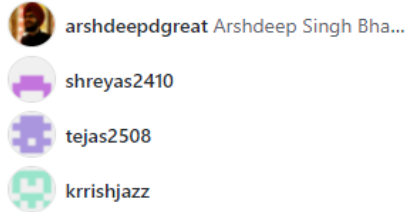
As for the target machine it will be a windows 10 based system with the emu8086 installed in it.

Since we are a team the code shall be monitored over a remote repository on github and each of us will use git in our system to contribute to the same.

GITHUB screenshots

- GITHUB repository
- <https://github.com/arshdeepdgreat/Jcomp-Mlcroprocessor>
- CONTRIBUTORS DETAILS

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Languages



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Project screenshots

Welcome Screen

```
      ***Welcome to Our Restaurants***

*****
*****
**                                     **
**          1.Breakfast Menu          **
**          2.Lunch Menu              **
**          3.Dinner Menu             **
**          4.Snacks                  **
**          5.Dessert                 **
**          6.Drinks                  **
**                                     **
*****
*****
```

CODE insights

```
M8 DB 10,13,10,13,'***Choise your food from the menu***$'
```

Enter yo

```
;BREAKFAST
```

M9 DB 10,13,' **	1.Tandoori Roti	10/-	**\$' ;breakfast
M10 DB 10,13,' **	2.Naan	10/-	**\$'
M11 DB 10,13,' **	3.Parantha	10/-	**\$'
M12 DB 10,13,' **	4.Dal	10/-	**\$'
M13 DB 10,13,' **	5.Mixed Vegetables	20/-	**\$'
M14 DB 10,13,' **	6.Halwa	20/-	**\$'
M15 DB 10,13,' **	7.Sausage	10/-	**\$'
M16 DB 10,13,' **	8.Fried Egg	20/-	**\$'
M17 DB 10,13,' **	9.Dum Aloo	60/-	**\$'

```
;lunch & dinner
```

M25 DB 10,13,' **	1.Karachi Biryani(Kebab+Egg)	90/-	**\$'
M26 DB 10,13,' **	2.Chicken Biryani(Kebab+Egg)	90/-	**\$'
M27 DB 10,13,' **	3.Plain Pulav	30/-	**\$'
M28 DB 10,13,' **	4.Chicken Bhuna Khichdi(with Kebab+Egg)	90/-	**\$'
M29 DB 10,13,' **	5.Mutton Bhuna Khichdi(with Kebab+Egg)	90/-	**\$'
M30 DB 10,13,' **	6.Plain Rice	10/-	**\$'
M31 DB 10,13,' **	7.Pabda Fish	30/-	**\$'
M32 DB 10,13,' **	8.Lobster Big/Small	30/-	**\$'
M33 DB 10,13,' **	9.Pomfret Fish	30/-	**\$'

Code insights 2

```
M18 DB 10,13,' ** 1.Goat meat          60/-          **$'  
M19 DB 10,13,' ** 2.Chicken Bhuna Khichdi  80/-          **$'  
M20 DB 10,13,' ** 3.Mutton Bhuna Khichdi  80/-          **$'  
M21 DB 10,13,' ** 4.Chicken Lababdar    40/-          **$'  
M22 DB 10,13,' ** 5.Goat Curry          50/-          **$'  
M23 DB 10,13,' ** 6.Chicken Pan-Fry      70/-          **$'  
M34 DB 10,13,' ** 7.Hilsa Fish          60/-          **$'  
M35 DB 10,13,' ** 8.Rui Fish            60/-          **$'  
M36 DB 10,13,' ** 9.Molay/Kaski Fish    60/-          **$'  
;M37 DB 10,13,'13.Chicken Roast          60/--$'  
;M38 DB 10,13,'14.Egg Curry              30/--$'  
;M39 DB 10,13,'15.Vegtable              20/--$'  
;M40 DB 10,13,'16.Shirmp  Paste          20/--$'
```

Tasks to be done

Current development 40%

- ADDING recursive call back to generate multiple menus
 - Aligning the display messages for device width
 - Creating choice based menus
 - Compile to exe
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