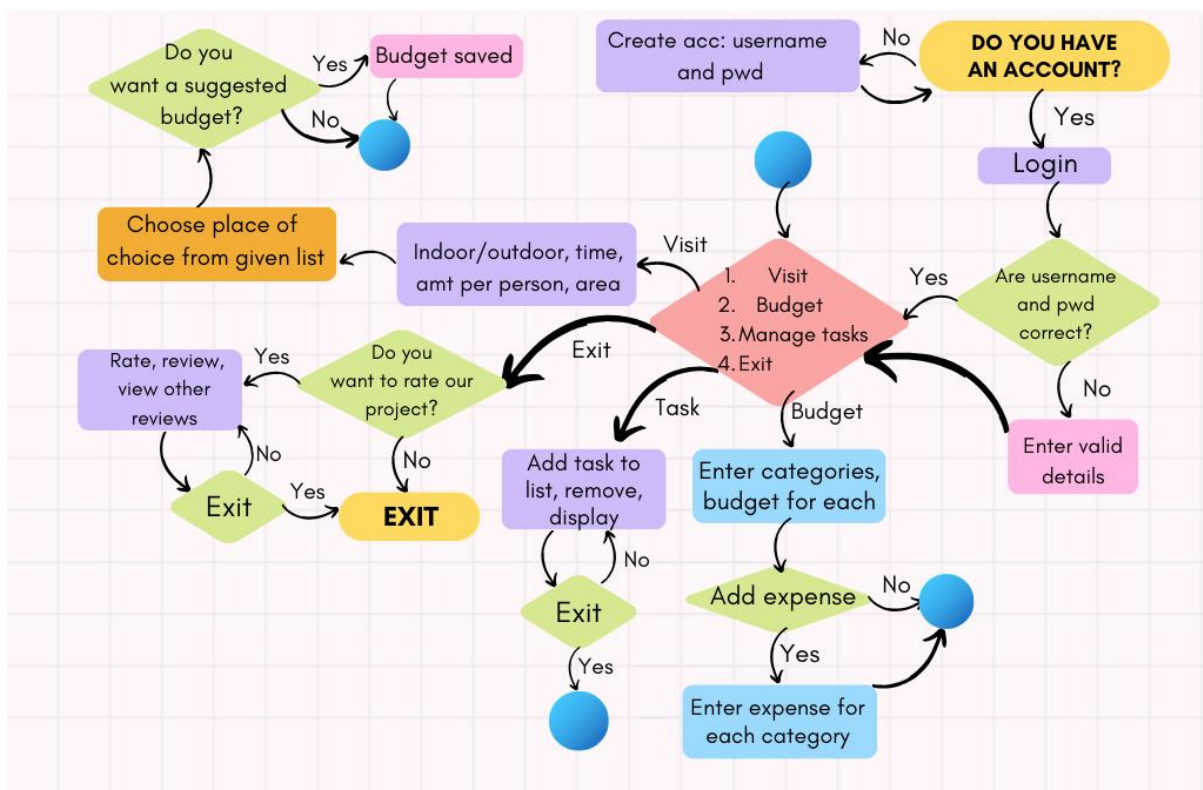


# INTRODUCTION

The purpose of this project is to help plan your schedule during your visit to Dubai. We will suggest tourist spots and places to visit, based on your preferred area, also considering various factors like the rush hours, and your set budget. We will track all your completed and pending tasks. Furthermore, we will also manage and keep a record of your budget and expenditure, which can be changed and updated at any time. We will save all this information, which will be kept secure and encrypted in an account, with your username and password.

Flowchart:



# FUNCTIONS

## IMPORTED FUNCTIONS

### 1. Csv (Comma-separated values)

File is a text file that has a specific format that allows data to be saved in a table structured format.

### 2. Webbrowser

Allows to display of web-based documents to users.

### 3. Random

- randint() : for decrypting the user's password
- choice() : while choosing a place for the user, if they aren't sure about where to visit

### 4. NumPy

- arange() : Returns an array with evenly spaced elements as per the interval. In the program, it is used for checking if the time chosen by the user doesn't fall in the rush hour of the place.

### 5. PrettyTable

PrettyTable class inside the prettytable library is used to create relational tables in Python. PrettyTable lets you print tables in an attractive ASCII form. Used for displaying the budget and expenses, and the reviews in an organized manner.

### 6. OS

used in file handling while creating duplicates of a file especially when updating and deleting files.

- remove() : to delete a file from the system.
- rename() : to rename an existing file.

### 7. ast

The ast module helps Python applications process trees of the Python abstract syntax grammar.

- ast.literal\_eval(): used in the program to convert a list contained in a string into a list. As the list() separates each character and puts it into the list, it couldn't be used.

## 8. Math

- `modf()` : is an inbuilt function in Python that returns the fractional and integer parts of the number in a two-item tuple. Both parts have the same sign as the number. The integer part is returned as a float. It is used in the program to get separate integer and decimal parts to convert the number ratings into stars in the reviews.

## 9. Datetime

The datetime module supplies classes for manipulating dates and times.

- `datetime.date.today()` : returns the present date in yy-mm-dd format as a date object. Used in the program to get the DateOfEntry when the users are writing their reviews.

## 10. Tkinter

The tkinter package (“Tk interface”) is the standard Python interface to the Tcl/Tk GUI toolkit. Used for making a calendar widget in the review section, so users can select the date from which they want to view all the reviews.

## BUILT-IN FUNCTIONS

### 1. `eval()`

Evaluates the specified expression, if the expression is a legal Python statement, it will be executed.

### 2. `len ()`

Returns the number of items in an object.

### 3. `ord()`

Returns the ASCII value of each character of the passed string to encrypt the password.

### 4. `chr()`

Returns the character that represents the specified ASCII code, to decrypt the password.

### 5. `range()`

Used to return a sequence of numbers between the specified range.

## USER DEFINED FUNCTIONS

### Suggesting places

- i) **simplify(x)**: the time in the csv file for place is in the following format: 12:00 - 17:00. However, checking if the selected time by the user isn't during rush hour becomes difficult with this format. So, we made a function to simplify the expression.
- ii) **finding\_places(area,act,money,time)**: with respect to the user's choices, we find suitable places from the whole dataset.
- iii) **best\_five(temp)**: from the selected places from finding\_places(), the best five places are selected and presented to the user.

### To-do list

**options(username)**: Gives the list of options that can be used to add, or remove a task/activity, and display the to-do list.

### Budget and expense

- i) **budg\_sugg(budget, final place)**: Creates a detailed budget suggestion, based on the user's inputted budget goal. This is stored in a dictionary (in a csv), and then displayed.
- ii) **get\_both(username)**: Takes the username as input from the user and retrieves their saved budget and expense from the csv file and puts it into a dictionary.
- iii) **create\_budg()**: Helps the user to set a budget for different categories of their choice, and stores it under their name in a csv file as a dictionary.
- iv) **enter\_exp()**: Asks the user for and saves expense for all the categories from the corresponding budget given by the user. It is also stored in a similar way, in the same file.

### Feedback

- i) **get\_review(username)**: Asks the user for feedback on our program and inserts it into the SQL table under their username.
- ii) **calendar()**: Makes a calendar widget for the user to select a specific date from which they want to view the reviews.
- iii) **del\_review(username)**: The user is able to delete their feedback.

## Securing password

**i) create\_pass():** Allows to create a password for the user's account according to the guidelines for a strong password - min 8 characters and at least one uppercase letter, one number, and one special character.

**ii) encrypt(password):** encrypts the user's password by converting each character's ASCII (American Standard Code for Information Interchange) value into binary numbers, and then separating them using randomly generated special characters before storing in the CSV file.

**iii) decrypt(password):** decrypts the user's password while logging in to the program. Gets the encrypted password from the CSV file. Converts the binary digits before each special character into a decimal value, and gets the respective character using the ASCII code.

## FILES USED IN PROGRAM

### 1. Places to visit in Dubai.csv

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Place	Indoor/Outdoor	Area	Rush Hour	Best weather to vi	Money/Budget	Website	Location					
2	Dubai Indoor Kartdror	Indoor	Al Barsha	11:00 - 18:00	Anytime		115	<a href="https://duhttps://goo.gl/maps/FcpFbBnGkxgQjkub7?coh=178572&amp;entry=t">https://duhttps://goo.gl/maps/FcpFbBnGkxgQjkub7?coh=178572&amp;entry=t</a>					
3	Dubai Dolphinarium	Indoor	Umm Hurair	12:00 - 14:00	November - March		50	<a href="https://duhttps://goo.gl/maps/b46DKBNStHSxtq3MA?coh=178572&amp;entry=t">https://duhttps://goo.gl/maps/b46DKBNStHSxtq3MA?coh=178572&amp;entry=t</a>					
4	Dubai Frame	Indoor	Al Karama	12:00 - 17:00	Anytime		52.5	<a href="https://whttps://goo.gl/maps/yrACGyaj3mT22kM66?coh=178572&amp;entry=t">https://whttps://goo.gl/maps/yrACGyaj3mT22kM66?coh=178572&amp;entry=t</a>					
5	The Green Planet	Indoor	Al Safa	12:00 - 17:00	Anytime		140	<a href="https://thhttps://goo.gl/maps/GZdJdvihh9P1cxd7?coh=178572&amp;entry=t">https://thhttps://goo.gl/maps/GZdJdvihh9P1cxd7?coh=178572&amp;entry=t</a>					
6	Dubai Ice Rink	Indoor	Downtown Dub	12:00 - 18:00	Anytime		100	<a href="https://whttps://goo.gl/maps/YJ1aqvsJMFpqQBiD6?coh=178572&amp;entry=t">https://whttps://goo.gl/maps/YJ1aqvsJMFpqQBiD6?coh=178572&amp;entry=t</a>					
7	Ski Dubai	Indoor	Al Barsha	13:00 - 18:00	Anytime		175	<a href="https://whttps://goo.gl/maps/e7cP4j6vWCjeU2No6?coh=178572&amp;entry=t">https://whttps://goo.gl/maps/e7cP4j6vWCjeU2No6?coh=178572&amp;entry=t</a>					
8	Mohammed bin Rashi	Indoor	Umm Hurair	13:00 - 18:00	Anytime		0	<a href="https://whttps://goo.gl/maps/kLSfaioiteTrAPVe9?coh=178572&amp;entry=t">https://whttps://goo.gl/maps/kLSfaioiteTrAPVe9?coh=178572&amp;entry=t</a>					
9	Adventure Park	Indoor	14:00 - 19:00	Anytime		89	<a href="https://entertaihttps://goo.gl/maps/R5v13GoF2CijUESA?coh=178572&amp;entry=t">https://entertaihttps://goo.gl/maps/R5v13GoF2CijUESA?coh=178572&amp;entry=t</a>						
10	IMG Worlds of Adven	Indoor	Sheikh Zayed Ro	14:00 - 19:00	Anytime		345	<a href="https://whttps://goo.gl/maps/YYpuHW4oVmjiED2t8?coh=178572&amp;entry=t">https://whttps://goo.gl/maps/YYpuHW4oVmjiED2t8?coh=178572&amp;entry=t</a>					
11	Mall of the Emirates	Indoor	Al Barsha	14:00 - 21:00	Anytime		0	<a href="https://whttps://goo.gl/maps/QEfah8zgZ1iLAUgx6?coh=178572&amp;entry=t">https://whttps://goo.gl/maps/QEfah8zgZ1iLAUgx6?coh=178572&amp;entry=t</a>					
12	Dubai Hills Mall	Indoor	Al Khail	14:00 - 21:00	Anytime		0	<a href="https://whttps://goo.gl/maps/fiNwYumc68a6bp8P9?coh=178572&amp;entry=t">https://whttps://goo.gl/maps/fiNwYumc68a6bp8P9?coh=178572&amp;entry=t</a>					
13	City Center Deira	Indoor	Deira	14:00 - 22:00	Anytime		0	<a href="https://whttps://goo.gl/maps/Y9zg1pNhG2q4FeAp9?coh=178572&amp;entry=t">https://whttps://goo.gl/maps/Y9zg1pNhG2q4FeAp9?coh=178572&amp;entry=t</a>					
14	Dubai Butterfly Garde	Indoor	Al Barsha	15:00 - 17:00	Spring		55	<a href="https://whttps://goo.gl/maps/WwgAWwUn8mVf4wgJ8?coh=178572&amp;eni">https://whttps://goo.gl/maps/WwgAWwUn8mVf4wgJ8?coh=178572&amp;eni</a>					
15	Dubai Aquarium & Un	Indoor	Downtown Dub	15:00 - 19:00	Anytime		199	<a href="https://whttps://goo.gl/maps/5RoxdUGCtdreyq75A?coh=178572&amp;entry=t">https://whttps://goo.gl/maps/5RoxdUGCtdreyq75A?coh=178572&amp;entry=t</a>					
16	Al Nasr Leisureland	Indoor	Oud Metha	16:00 - 17:00	Anytime	Visit site		<a href="https://whttps://goo.gl/maps/dkYbT6RY4xt2cMeTA?coh=178572&amp;entry=t">https://whttps://goo.gl/maps/dkYbT6RY4xt2cMeTA?coh=178572&amp;entry=t</a>					
17	Museum of The Futur	Indoor	Sheikh Zayed Ro	16:00 - 18:00	Anytime		149	<a href="https://mhttps://goo.gl/maps/NTpA4xWM4R9L2Qpd8?coh=178572&amp;entr">https://mhttps://goo.gl/maps/NTpA4xWM4R9L2Qpd8?coh=178572&amp;entr</a>					
18	Dubai Bowling Center	Indoor	Al Quoz	16:00 - 20:00	Anytime	Visit site		<a href="https://bchttps://goo.gl/maps/d1wqiW6sSEFy5q1E6?coh=178572&amp;entry=t">https://bchttps://goo.gl/maps/d1wqiW6sSEFy5q1E6?coh=178572&amp;entry=t</a>					
19	Dubai Mall	Indoor	Downtown Dub	16:00 - 22:00	Anytime		0	<a href="https://thhttps://goo.gl/maps/Wb8Xo3WFcuYYAPtU8?coh=178572&amp;entry=t">https://thhttps://goo.gl/maps/Wb8Xo3WFcuYYAPtU8?coh=178572&amp;entry=t</a>					
20	Jameel Arts Centre	Indoor	Jeddaf	17:00 - 19:00	Anytime		0	<a href="https://jaihttps://goo.gl/maps/aJMbMck2m4JAYhYS8?coh=178572&amp;entry=t">https://jaihttps://goo.gl/maps/aJMbMck2m4JAYhYS8?coh=178572&amp;entry=t</a>					
21	Escape Hunt Dubai	Indoor	Jumeirah	17:00 - 19:00	Anytime		388.5	<a href="https://eshttps://goo.gl/maps/dqQ8jVgiYuZznVtF8?coh=178572&amp;entry=t">https://eshttps://goo.gl/maps/dqQ8jVgiYuZznVtF8?coh=178572&amp;entry=t</a>					
22	Buri Khalifa	Indoor	Downtown Dub	17:00 - 20:00	Anvtime		169	<a href="https://whttps://eoo.el/maos/eWMDaf8iJCUvVCTm8?coh=178572&amp;entrv">https://whttps://eoo.el/maos/eWMDaf8iJCUvVCTm8?coh=178572&amp;entrv</a>					

### 2. accounts.csv

	A	B	C	D	E	F
1	First name	Second name	Username	Password	Age	
2	Foo	Baz	baz123	1000110?:	17	
3	Amy	Santiago	amysan	1000010?:	26	
4	Rosa	Diaz	diazrosa	1001110!1	27	
5	Jake	Peralta	detjvke	1000100\$:	30	
6	Terry	Jeffords	sargeterry	1010011&	39	
7	Nandana	Manoj	nannu06	1001110!1	17	
8	Haya	Pillai	hayafacts	1000110\$:	16	
9	azzy	raz	razmataz	1010010#:	17	
10	maryanne	pereira	maryanne	1001101&	17	
11	shreya	ashar	hishreya	1010011!1	17	
12	Shresti	Subahar	shresti11	1000111@	17	
13	jayalakshm	venkatesan	jayaisama	1000100\$:	999	
14	Deborah	David	deby47	1000100\$:	17	
15						

### 3. budget\_finance.csv

	A	B	C	D	E	F	G	H	I	J	K
1	Username	Budget	Expenses								
2	baz123	{'FOOD': 1 {'FOOD': 35, 'TRANSPORT': 90, 'STATIONARY': 15}}									
3	nimshy	{'FOOD': 8 {}}									
4	nannu06	{'FOOD': 1 {'FOOD': 40, 'TRANSPORT': 100, 'ALLEN': 4000}}									
5	razmataz	{'GROCER': {'GROCERY': 400, 'STREAMING SUBS': 23, 'CLOTHES': 120}}									
6	hishreya	{'FOOD': 2 {'FOOD': 10, 'SHOPPING': 60, 'TRANSPORT': 10}}									
7	shrestti11	{'DRESS': 1 {'JEWELLERY': 50, 'DRESS': 70, 'SHOE': 100}}									
8	jayaisama	{'FOOD': 1 {'FOOD': 43, '2': 55, 'RED': 10000000000000000, 'POPCORN': 43344, 'TED': 343, 'YED': 334}}									
9	jayaisama	{'FOOD': 1 {'FOOD': 43, '2': 55, 'RED': 10000000000000000, 'POPCORN': 43344, 'TED': 343, 'YED': 334}}									
10	diazrosa	{'FOOD': 3 {'FOOD': 80, 'TRANSPORT': 95, 'SHOPPING': 48}}									
11	amysan	{'BOOKS': {'BOOKS': 40, 'TRANSPORT': 50, 'FOOD': 104}}									
12	deby47	{'FOOD': 2 {'FOOD': 30, 'TRANSPORT': 40}}									
13											

### 4. Places.csv

	A	B	C	D	E	F	G	H	I	J	K
1	Username	Places Visited	Budget								
2	baz123	Dubai Safari Park	{}								
3	detjvke	Dubai Mall	{'Place': 'Dubai Mall', 'Entry fee': 0, 'Food': 30.0, 'Transport': 18.0, 'Extra': 102.0}								
4	baz123	The Green Planet	{'Place': 'The Green Planet', 'Entry fee': 140.0, 'Food': 6.0, 'Transport': 3.5999999999999996, 'Extra': 20}								
5	baz123	Dubai Frame	{}								
6	baz123	Dubai Frame	{'Place': 'Dubai Frame', 'Entry fee': 52.5, 'Food': 23.5, 'Transport': 14.1, 'Extra': 79.9}								
7	nimshy	Madame Tussauds Dubai	{'Place': 'Madame Tussauds Dubai', 'Entry fee': 145.0, 'Food': 21.0, 'Transport': 12.6, 'Extra': 71.4}								
8	razmataz	Ain Dubai by Dubai Holding	{'Place': 'Ain Dubai by Dubai Holding', 'Entry fee': 175.0, 'Food': 65.0, 'Transport': 39.0, 'Extra': 221.0}								
9	maryanne	Jumeirah Beach Residence	{'Place': 'Jumeirah Beach Residence', 'Entry fee': 0.0, 'Food': 30.0, 'Transport': 18.0, 'Extra': 102.0}								
10	hishreya	Burj Khalifa	{'Place': 'Burj Khalifa', 'Entry fee': 169.0, 'Food': 6.2, 'Transport': 3.7199999999999998, 'Extra': 21.0800}								
11	shrestti11	Jumeirah Beach Residence	{'Place': 'Jumeirah Beach Residence', 'Entry fee': 0.0, 'Food': 60.0, 'Transport': 36.0, 'Extra': 204.0}								
12	jayaisama	Dubai Frame	{'Place': 'Dubai Frame', 'Entry fee': 52.5, 'Food': 19999989.5, 'Transport': 11999993.7, 'Extra': 6799996}								
13	diazrosa	Emirates Golf Club	{'Place': 'Emirates Golf Club', 'Entry fee': 0.0, 'Food': 404.0, 'Transport': 242.39999999999998, 'Extra': 1}								
14	amysan	Escape Hunt Dubai	{'Place': 'Escape Hunt Dubai', 'Entry fee': 388.5, 'Food': 22.3, 'Transport': 13.38, 'Extra': 75.82}								
15	deby47	Dubai Opera	{'Place': 'Dubai Opera', 'Entry fee': 100.0, 'Food': 20.0, 'Transport': 12.0, 'Extra': 68.0}								
16	baz123	Mohammed bin Rashid Library	{'Place': 'Mohammed bin Rashid Library', 'Entry fee': 0.0, 'Food': 40.0, 'Transport': 24.0, 'Extra': 136.0}								
17	baz123	Pursuit Games - Paintball Dubai	{}								
18	baz123	Al Mamzer Beach	{'Place': 'Al Mamzer Beach', 'Entry fee': 0.0, 'Food': 40.0, 'Transport': 24.0, 'Extra': 136.0}								
19	nannu06	Dubai Dolphinarium	{'Place': 'Dubai Dolphinarium', 'Entry fee': 50.0, 'Food': 60.0, 'Transport': 36.0, 'Extra': 204.0}								

### 5. todo.csv

	A	B	C	D	E	F	G
1	Username	To_do List					
2	baz123	['complete', 'Wash the dishes', 'Buy groceries']					
3	hayafacts	['Clean', 'Shopping']					
4	razmataz	['buy milk ', 'drink coffee', 'eat pastry']					
5	maryannep123	['wake up', 'brush teeth', 'eat breakfast']					
6	hishreya	['clean']					
7	shrestti11	['Do chem assignment', 'Buy Prom Dress']					
8	jayaisamazing	['eat burger']					
9	baz123	['Clean', 'homework']					
10	diazrosa	['buy grocery', 'wash the dishes', 'complete report']					
11	amysan	['clean book shelf', 'organize files']					
12	deby47	['complete project', 'do hw']					
13							



## SQL TABLES

DATABASE: REVIEW

TABLE: REMARK

```
mysql> DESC REMARK;
```

Field	Type	Null	Key	Default	Extra
SNO	int	NO	PRI	NULL	
USERNAME	varchar(20)	NO		NULL	
STAR	varchar(5)	YES		NULL	
FEEDBACK	varchar(1000)	YES		NULL	
DATEOFENTRY	date	NO		NULL	

```
mysql> SELECT * FROM REMARK;
```

SNO	USERNAME	STAR	FEEDBACK	DATEOFENTRY
1	diazrosa	4.0	Very useful, amazing!!!	2023-11-05
2	amysan	4.8	loved it! has many uses and very easy to understand.	2023-11-05
3	detjvke	5.0	Nice project,loved all the functions	2023-10-25
4	sargeterry	5.0	Wonderful program!!	2023-10-30
5	deby47	5.0	Really good project,amazing programmers!!	2023-11-14
6	baz123	4.8	Very fun and easy to use!!!	2023-10-29
7	baz123	5.0	good program!	2023-11-15
8	hayafacts	4.0	To-do list making is fun.	2023-11-15
9	hayafacts	5.0	Use of webbrowser is unique!	2023-11-15
10	janedoe	5.0	Awesome project!!	2023-12-03



# OUTPUT

## Output 1: Creating an account

```
1.Login
2.Create account
3.Exit
Enter choice: 2

*****
Creating an account
Enter your first name: Jane
Enter your second name: Doe
Username: janedoe
Username successfully created
The password must contain at least 8 characters, 1 uppercase character, 1 number and 1 special character(no spaces).
Password: Doe@123
Minimum 8 characters required
Password: Jane@123
Password is created
Enter your age: 20
Account created.
Welcome to Plan Your Day!
We will help you decide what to do based on which day and time, place/region, budget, and activity you choose.
We also help you make a to-do list, and help manage your budget for various categories.

*****

Choose any of the options below:
1.Find places to visit in Dubai
2.Make a to-do list
3.Manage your budget
4.Exit

enter your choice: 1

The areas available to visit:
1. Bur Dubai
2. Al Quoz
3. Downtown Dubai
4. Deira
5. Jumeirah
6. Jebel Ali

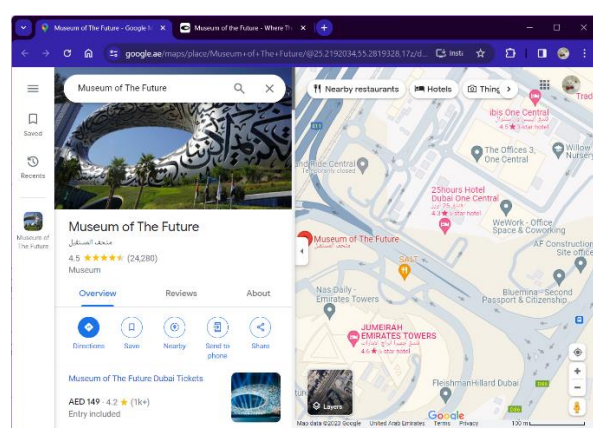
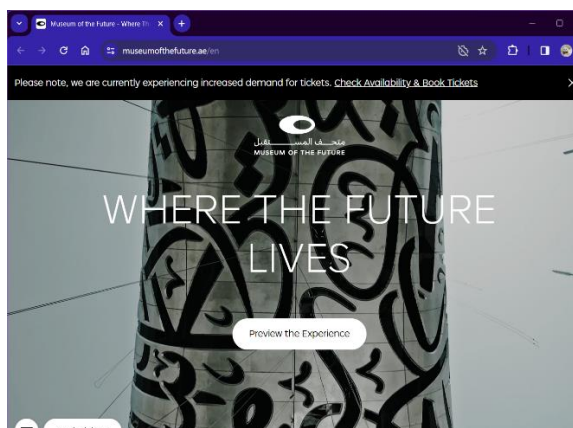
Enter area number which is nearby you: 3
Downtown Dubai is chosen to visit!

Indoor or Outdoor, press any character for either options: indoor

Maximum budget for the whole visit (incl entry fee,food,transport): 250
Maximum amount to be spent per person for entering the place : 90

Time you want to visit in 24 hrs time: 17
Places you can visit:
1 . Dubai Mall
2 . Dubai Festival City Mall
3 . The Dubai Fountain
4 . Dubai Ice Rink
5 . IMG Worlds of Adventure
Enter the number of the place you want to visit, press any other num for new set of places: 9
1 . Dubai Aquarium & Underwater Zoo
2 . Museum of The Future
3 . Burj Khalifa
4 . Dubai Opera
5 . Legoland® Dubai
Enter the number of the place you want to visit, press any other num for new set of places: 2
*****

Do you want to view the website of the place, enter (y or n): y
Open maps (y/n): y
```



```

Do you want a budget for your visit enter(y or n): y

The budget for your visit:
Place Museum of The Future
Entry fee 149.0
Food 20.200000000000003
Transport 12.12
Extra 68.68
*****

Choose any of the options below:
1.Find places to visit in Dubai
2.Make a to-do list
3.Manage your budget
4.Exit

enter your choice: 2
Do you want to make a to-do list (Yes/No): yes
*****

Options:
1. Display to-do list
2. Add task
3. Remove task
4. Save and Quit
Enter the number of your choice: 1
The to-do list is empty.
*****

Options:
1. Display to-do list
2. Add task
3. Remove task
4. Save and Quit
Enter the number of your choice: 2
no of tasks to be added: 2
Enter the task: do hw
Enter the task: clean room
Task(s) added.
*****

Options:
1. Display to-do list
2. Add task
3. Remove task
4. Save and Quit
Enter the number of your choice: 1
1. do hw
2. clean room
*****

Options:
1. Display to-do list
2. Add task
3. Remove task
4. Save and Quit
Enter the number of your choice: 4
*****

Choose any of the options below:
1.Find places to visit in Dubai
2.Make a to-do list
3.Manage your budget
4.Exit

enter your choice: 3
Let's do the budgeting and track your expenses!
1. Set budget for each category
2. Enter expenses for each category
3. Set budget and expenses for a new category
4. Set new amount for a category
5. Delete a category
6. Display budget and expenses
7. Exit
Select an option of your choice: 1

Enter no. of categories: 2
Enter category: food
Enter your budget for FOOD : 200

Enter category: transport
Enter your budget for TRANSPORT : 120

Let's do the budgeting and track your expenses!
1. Set budget for each category
2. Enter expenses for each category
3. Set budget and expenses for a new category
4. Set new amount for a category
5. Delete a category
6. Display budget and expenses
7. Exit
Select an option of your choice: 2
Enter expense for FOOD : 50

Enter expense for TRANSPORT : 20

```

```

Let's do the budgeting and track your expenses!
1. Set budget for each category
2. Enter expenses for each category
3. Set budget and expenses for a new category
4. Set new amount for a category
5. Delete a category
6. Display budget and expenses
7. Exit
Select an option of your choice: 3
Enter the new category: Clothes
Enter budget for CLOTHES :200
Enter expense for CLOTHES : 40

Let's do the budgeting and track your expenses!
1. Set budget for each category
2. Enter expenses for each category
3. Set budget and expenses for a new category
4. Set new amount for a category
5. Delete a category
6. Display budget and expenses
7. Exit
Select an option of your choice: 6
+-----+-----+-----+-----+
| Category | Budget | Expense | Remaining |
+-----+-----+-----+-----+
| FOOD     | 200    | 50      | 150       |
| TRANSPORT| 120    | 20      | 100       |
| CLOTHES  | 200    | 40      | 160       |
+-----+-----+-----+-----+

Let's do the budgeting and track your expenses!
1. Set budget for each category
2. Enter expenses for each category
3. Set budget and expenses for a new category
4. Set new amount for a category
5. Delete a category
6. Display budget and expenses
7. Exit
Select an option of your choice: 7
*****
*****
*****
Choose any of the options below:
1.Find places to visit in Dubai
2.Make a to-do list
3.Manage your budget
4.Exit

enter your choice: 4
*****
*****
*****
Thank you for using our program!

1.Rate the project and write a review
2.View other reviews of the project
3.View average rating of project
4.Delete a previous review
5.Exit
Enter your choice: 1
How many stars do you rate our program out of 5( enter a number in the range 1-5):5
Pls write your feedback about our project: very fun and useful program !! :))

1.Rate the project and write a review
2.View other reviews of the project
3.View average rating of project
4.Delete a previous review
5.Exit
Enter your choice: 2

From which date do you want to view the reviews:
Selected date: 2023-10-20
+-----+-----+-----+-----+-----+
| SNO | USERNAME | RATINGS | FEEDBACK | DATEOFENTRY |
+-----+-----+-----+-----+-----+
| 10 | janedoe | ★★★★★ | very fun and useful program !! :)) | 2023-12-03 |
| 7 | baz123 | ★★★★★ | good program! | 2023-11-15 |
| 8 | hayafacts | ★★★★★ | To-do list making is fun. | 2023-11-15 |
| 9 | hayafacts | ★★★★★ | Use of webbrowser is unique! | 2023-11-15 |
| 5 | deby47 | ★★★★★ | Really good project,amazing programmers!! | 2023-11-14 |
| 1 | diazrosa | ★★★★★ | Very useful, amazing!!! | 2023-11-05 |
| 2 | amysan | ★★★★★ | loved it! has many uses and very easy to understand. | 2023-11-05 |
| 4 | sargeterry | ★★★★★ | Wonderful program!! | 2023-10-30 |
| 6 | baz123 | ★★★★★ | Very fun and easy to use!!! | 2023-10-29 |
| 3 | detjvke | ★★★★★ | Nice project,loved all the functions | 2023-10-25 |
+-----+-----+-----+-----+-----+

1.Rate the project and write a review
2.View other reviews of the project
3.View average rating of project
4.Delete a previous review
5.Exit
Enter your choice: 3

Avg rating of project: ★★★★★

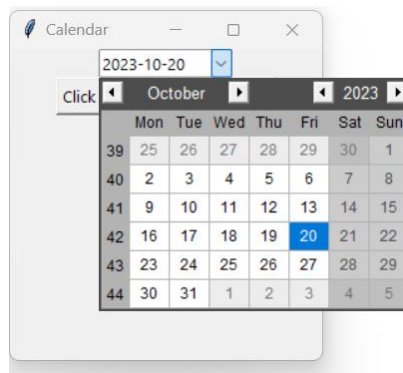
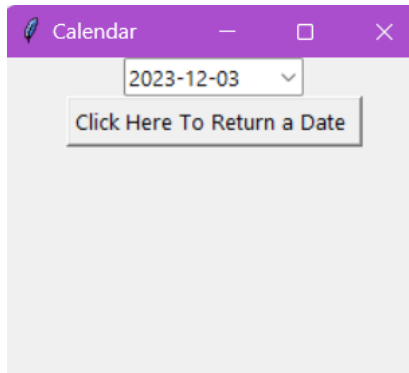
```

```

1.Rate the project and write a review
2.View other reviews of the project
3.View average rating of project
4.Delete a previous review
5.Exit
Enter your choice: 5
1.Login
2.Create account
3.Exit
Enter choice: 3
Use our program again!

```

Window for selecting the date:



## Output 2: Logging in created account

```
1.Login
2.Create account
3.Exit
Enter choice: 1
Enter username: janedoe
Enter password: Jane@123
Welcome to Plan Your Day!
We will help you decide what to do based on which day and time, place/region, budget, and activity you choose.
We also help you make a to-do list, and help manage your budget for various categories.

*****

Choose any of the options below:
1.Find places to visit in Dubai
2.Make a to-do list
3.Manage your budget
4.Exit

enter your choice: 1

Do you want to visit a place that you have already visited (y/n): y
1 Museum of The Future
Enter the number of the place you want to visit: 1
Do you want to view the website of the place, enter (y or n): n
*****

Choose any of the options below:
1.Find places to visit in Dubai
2.Make a to-do list
3.Manage your budget
4.Exit

enter your choice: 2
Do you want to make a to-do list (Yes/No): yes
*****

Options:
1. Display to-do list
2. Add task
3. Remove task
4. Save and Quit
Enter the number of your choice: 1
1. do hw
2. clean room
*****

Options:
1. Display to-do list
2. Add task
3. Remove task
4. Save and Quit
Enter the number of your choice: 3
1. do hw
2. clean room
Enter the number of the task to remove: 2
Removed task: clean room
*****

Options:
1. Display to-do list
2. Add task
3. Remove task
4. Save and Quit
Enter the number of your choice: 4
*****

Choose any of the options below:
1.Find places to visit in Dubai
2.Make a to-do list
3.Manage your budget
4.Exit
```

```

enter your choice: 3
Let's do the budgeting and track your expenses!
1. Set budget for each category
2. Enter expenses for each category
3. Set budget and expenses for a new category
4. Set new amount for a category
5. Delete a category
6. Display budget and expenses
7. Exit
Select an option of your choice: 4
Enter category to be updated: transport
Do you want to update:
1. Budget
2. Expense
3. Both
Enter your choice: 2
Enter updated expense for TRANSPORT : 150
Let's do the budgeting and track your expenses!
1. Set budget for each category
2. Enter expenses for each category
3. Set budget and expenses for a new category
4. Set new amount for a category
5. Delete a category
6. Display budget and expenses
7. Exit
Select an option of your choice: 5
Enter category to be deleted: clothes
Let's do the budgeting and track your expenses!
1. Set budget for each category
2. Enter expenses for each category
3. Set budget and expenses for a new category
4. Set new amount for a category
5. Delete a category
6. Display budget and expenses
7. Exit

Select an option of your choice: 6
+-----+-----+-----+-----+
| Category | Budget | Expense | Remaining |
+-----+-----+-----+-----+
| FOOD | 200 | 50 | 150 |
| TRANSPORT | 120 | 150 | Over budget by 30 AED! |
+-----+-----+-----+-----+

Let's do the budgeting and track your expenses!
1. Set budget for each category
2. Enter expenses for each category
3. Set budget and expenses for a new category
4. Set new amount for a category
5. Delete a category
6. Display budget and expenses
7. Exit
Select an option of your choice: 7
*****
*****

Choose any of the options below:
1.Find places to visit in Dubai
2.Make a to-do list
3.Manage your budget
4.Exit

enter your choice: 4
*****
*****

Thank you for using our program!

1.Rate the project and write a review
2.View other reviews of the project
3.View average rating of project
4.Delete a previous review
5.Exit
Enter your choice: 1
How many stars do you rate our program out of 5( enter a number in the range 1-5):5
Pls write your feedback about our project: Awesome project!!

1.Rate the project and write a review
2.View other reviews of the project
3.View average rating of project
4.Delete a previous review
5.Exit
Enter your choice: 4
+-----+-----+-----+-----+
| SNO | USERNAME | RATINGS | FEEDBACK | DATEOFENTRY |
+-----+-----+-----+-----+
| 10 | janedoe | ★★★★★ | very fun and useful program !! :) | 2023-12-03 |
| 11 | janedoe | ★★★★★ | Awesome project!! | 2023-12-03 |
+-----+-----+-----+-----+
Enter the SNO of the reviews to be deleted, separated by commas: 10,
review(s) deleted

1.Rate the project and write a review
2.View other reviews of the project
3.View average rating of project
4.Delete a previous review
5.Exit
Enter your choice: 2

```

From which date do you want to view the reviews:  
Selected date: 2023-11-14

SNO	USERNAME	RATINGS	FEEDBACK	DATEOFENTRY
10	janedoe	★★★★★	Awesome project!!	2023-12-03
7	baz123	★★★★★	good program!	2023-11-15
8	hayafacts	★★★★☆	To-do list making is fun.	2023-11-15
9	hayafacts	★★★★★	Use of webbrowser is unique!	2023-11-15
5	deby47	★★★★★	Really good project, amazing programmers!!	2023-11-14

1. Rate the project and write a review  
2. View other reviews of the project  
3. View average rating of project  
4. Delete a previous review  
5. Exit  
Enter your choice: 5  
1. Login  
2. Create account  
3. Exit  
Enter choice: 3  
Use our program again!



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