

# RESTAURANT RESERVATION SYSTEM

(50pts)

Design and develop a small restaurant reservation program. The application offers different reservation rate for adults and children. (see sample below)

1. When the system is started, it will display the following options.

## RESTAURANT RESERVATION SYSTEM

### System Menu

- a. View all Reservations
- b. Make Reservation
- c. Delete Reservation
- d. Generate Report
- e. Exit

2. When the **VIEW RESERVATIONS** is clicked, this will display all the reservations made

#	Date	Time	Name	Adults	Children
1	Nov 10, 2020	10:00 am	John Doe	1	1
2	Nov 25, 2020	11:00 am	Michelle Franks	2	1
3	Dec 10, 2020	9:00 am	Ella Flich	1	1
4	Dec 21, 2020	12:00 pm	Dylan Cloze	2	1

3. If the user selects **MAKE RESERVATION**, the user needs to input the following:

- a. Name (String)
- b. Date (String)
- c. Time (String)
- d. No of Adults (Integer)
- e. No of Children (Integer)

*Note: Adult is 500 per head and Kids is 300 per head reservation, save the data in a text*

*file.*

4. If **DELETE RESERVATION** is selected, the user needs to input the reservation number to remove the existing reservation.

5. If the **GENERATE REPORT** is clicked, display the report of all reservations

REPORT									
#	Date	Time	Name	Adults	Children	Subtotal			
1	Nov 10, 2020	10:00 am	John Doe	1	1	800.00	2	Nov	
	25, 2020	11:00 am	Michelle Franks	2	1	1300.00	3	Dec 10, 2020	9:00 am
			Ella Flich	2	2	1600.00	4	Dec 21, 2020	12:00 pm
			Dylan Cloze	1	2	1100.00			
Total number of Adults: 6									
Total number of Kids: 6									
Grand Total: PHP 4800.00									
----- nothing follows -----									

6. Use the concept of Object Oriented Programming

7. Use the appropriate exception to handle possible errors made by the user.

- a. Letters
- b. Zero
- c. No data
- d. Others

8. When the **EXIT** selected. It will close or exit the system and displays "Thank you!"

**GOD BLESS**