

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