NAXUM SKILL ASSESSMENT

PART A

REQUIREMENTS:
- Programming Language: PHP
- Framework: Laravel
- DBMS: MySQL
- Database Schema:
  https://drive.google.com/file/d/1yEXkfb1OxHcgiMvt-rrStf3IBSsB0ISd/view?usp=sharing

Company ABC is a multi-level marketing company that manufactures and sells handbags through its distributors. People in their company are categorized as either a Distributor or Customer.

- Customers: users that purchases handbags
- Distributors: users that may or may not purchase handbags but eligible to receive a commission from the purchases made by the customers they have referred

Every distributor earns a certain % as commission on each handbag that he/she sells to his/her customers. The percentage will depend on the number of distributors he/she has referred to join the company at the time the order was made.

No. of Distributors Referred	Commission on each Order
0	5%
5-10	10%
11-20	15%
21-30	20%
31 and up	30%

For example:
John (distributor) referred Mary to join the company as a Customer. When Mary made a purchase on 4/11/2020, John already had referred a total of 8 distributors. So the commission he would get from Mary's purchase is 10% of the amount that Mary has paid.
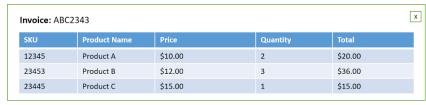
Commission Report: Build a page where we can pull a report of all orders that are in the database with the following columns:

1. **Invoice:** Invoice number of the order
2. **Purchaser:** Purchaser of the order
3. **Distributor:** The person who referred the Purchaser. Also known as the Referrer. If the Purchaser's referrer is not a Distributor, leave this column blank.
4. **Referred Distributors:** The number of Distributors that the Referrer/Distributor (from the 3rd column) has referred by the time the order was made. Note that this number gradually increases as the Referrer refers more Distributors over time.
5. **Order Date:** Date the order was placed
6. **Percentage:** Commission percentage that the Distributor (Referrer) will get paid. Note that this is dependent on the number of Referred Distributors he/she has. If the purchaser is not a Customer, the Distributor does not earn a commission.
7. **Commission:** Percentage x Order Total

- Add a feature that would allow us to filter the result by Order Date and Distributor. Note that the Distributor input box is an autocomplete field.

TRANSACTION REPORT

Distributor: _Search by ID, Username, First Name, Last Name_

Date From: 4/21/2020 To: 4/21/2020   [Filter]

TOTAL COMMISSION: $22.50

Search: _____

Invoice	Purchaser	Distributor	Referred Distributors	Order Date	Order Total	Percentage	Commission	
ABC1234	Stevie Cairns	Eryk Galvan	1	4/20/2020	100.00	5%	5.00	View Items
ABC1124	Jemima Pennington	Cassie Conrad	3	4/21/2020	25.00	10%	2.50	View Items
ABC1334	Arran Mill	Isobelle Dotson	3	4/22/2020	150.00	10%	15.00	View Items

Previous | 1 | 2 | 3 | Next

When <u>View Items</u> is clicked, this modal will pop-up displaying the items included in the order.

Invoice: ABC2343   [x]

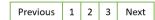| SKU	Product Name	Price	Quantity	Total
12345	Product A	$10.00	2	$20.00
23453	Product B	$12.00	3	$36.00
23445	Product C	$15.00	1	$15.00

TASK 2

Rank Report: Build a page where we can see the Top 100 Distributors with the most sales. Sales are the total amount of orders that have been purchased by the customers and distributors they have referred. Note that if 2 or more Distributors have achieved the same amount of sales, they would have the same # on the list.

Top 100 Distributors

Top	DIstributor Name	Total Sales
1	John Doe	$500.00
2	Jane Smith	$200.00
3	Anne Cruz	$150.00
4	Cecilia Friedman	$100.00
5	Albert Myers	$50.00
6	Abdul Jenkins	$15.00
7	Shayne Hogan	$10.00
8	Effie Tyler	$5.00
8	Maura Scott	$5.00
9	Lindsay Rios	$3.00

Previous	1	2	3	Next

PART B

REQUIREMENTS:
- Programming Language: PHP
- Framework: Use Native PHP. Do not use a framework.
- DBMS: MySQL
- Database Schema: Design your own database model.

TASK 3

Build a Registration Page that would require a user to submit the following info:
- Name
- Birthdate
- Complete Address
- Profile Picture
- Credit Card Info

EXPECTED OUTPUT
- All 3 pages must load in less than 10 seconds.
- All features outlined in the instructions above are working.
- A video demo explaining how to use the 3 tools you've built.
- In submitting your output, please provide the following files *separately*:
  a. Source Codes for Part A (Task 1-2) in a ZIP file
  b. Source Codes for Part B (Task 3) in a ZIP file
  c. SQL file used in Part A
  d. SQL file used in Part B
  e. Video demo of your Part A output
  f. Video demo of your Part B output