

Part-time Entrance Exam

(4 hours)

A. Git skill

1. Must use git to submit this exam.
 - a. Remote url:
 - b. User: ict10.
 - c. Password: magenest_i10.
 - d. Checkout out from master branch.
2. Push a commit whenever finish a feature.
3. Set repo user name to your name
4. And a secret task, will be announced in the last 15-20 minutes.

B. Magento 2

1. Introduction
Implement a system consisting of Sales Agent (SA).
SA is a customer as well.
SA will be assigned with products, and receive commission when customer buy their product.
2. New Attributes
 - Customer: is_sales_agent (boolean)
 - Product: sale_agent_id, commission_type (fixed/percent), commission_value
3. Tables
 - entity_id
 - order_id
 - order_item_id
 - order_item_sku
 - order_item_price
 - commision_percent
 - commission_value

Be sure to apply an appropriate data type to each field.

4. Features

a. Backend:

- Admin will be able to assign SA, commission type, value to each product.
- Commission report. Only do 1 out of 2 below:
 - According to Product, filterable by SKU with Ajax load.
 - According to SA, filterable by Email with Ajax load.

b. Frontend:

- When customer successfully place an order, SA will immediately receive commission.
- When a SA logged in to his account, he can preview (somewhere in My Account) all product assigned to him (you should display this with a table).
 - Product name, sku, url to the product
 - Commission type, commission value..

c. Global:

- SA's first name will be displayed as
"Sales Agent: <firstname>" instead of "<firstname>" on all pages of the website