

Ruby Assignment

Your task is to do a small and very simple e-commerce application.

You have 2 days from the date of the email to complete the assignment. Please try to complete as much as possible within that time-frame, even if you do not finish the assignment. Your work will be evaluated based upon:

- The quality of your outputs (functionality)
- The effectiveness of your communication
- Your ability to resolve issues independently

Please note that you are expected to work on the assignment independently. Discussing assignment details with colleagues will be considered cheating.

Requirements

You will create a small and very simple e-commerce site. Page design will not be evaluated, it can be very simple.

You should:

- Use Server Ruby RESTful services.(Use Sinatra)
- Create JSON API endpoints.

There are validations which will be implemented according to the Database fields description.

Web client Features:

- User Login Form
- User Registration Form.
- View User Current Orders List. Ordered by date.
- List Products.
- Add a product to a shopping cart items.
- Place an order.
- Connect to the payment gateway dummy service.
- Receive a notification from payment gateway dummy service, if the payment was done successfully.
- Add New Products.
- Edit Existing products

Payment dummy gateway

You will create a payment dummy gateway to simulate the order payment process, this will be started as another standalone ruby application,

After receiving an order, you will be redirected to the payment dummy gateway via POST HTTP command,

You will accept or reject the card (10% of payments will be rejected), then redirect to the order page.

DATABASE (MySQL):

Products Table:

Name	Description	Required	Type	Example Value
id	Product ID	yes	int	1

name	Product name	yes	string	New Product
price	Product Price	yes	double	150.3
status	Product status. Can have the following values: <ul style="list-style-type: none">• Enabled• Disabled.	yes	int	1
description	Product description.	yes	string	This is a new product.

Customer table

Name	Description	Required	Type	Sample Value
id	Customer ID	yes	int	1
firstname	The customer first name	yes	string	John
lastname	The customer last name	yes	string	Doe
email	The customer email address	yes	string	johny@example.com
password	The customer password. The password must contain minimum 7 characters	yes	string	123123q

Order Table:

Name	Description	Type	Sample Value
id	Order Id	int	1
order_no	Order Number	string	O0324324
Customer_id	Customers ID	int	1
total	Total price for order	double	100.1
date	Date of placed order	date	4/10/2014

Order Lines table(Shopping cart items)

Name	Description	Type	Sample Value
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Order_id	Reference for related order	int	1
id	Line id	int	1
product_id	Product ID	int	1
qty	Quantity of stock items for the current product	int	5
unit_price	Unit price	double	15.5
total_price	Total price for order line (qty*unit_price)	double	14.3

Delivery / What to submit

Please, read and follow this section carefully. !!! Any delivery that does not follow this section will score much less or simply won't be evaluated !!!

First of all, review section "Delivery Instructions" sent to your mail, which describes general delivery process.

Delivery for this assignment should consist of:

Archive named **<your_name - Ruby>.zip** containing the following:

1. Readme.txt (Describe what you have done and explain in detail how to deploy your solution).
2. Source code
3. SQL MySQL script, including sample data.
4. Wink recording (upload rendered output only, not the .wnk file)

Structure of you resulting folder should be of the following format:

- <your_name - Ruby>.zip
- -----
- <your_name - Ruby>.zip \ README.txt
- -----
- <your_name - Ruby>.zip \ wink \ <- this folder should contain wink recording
- <your_name - Ruby>.zip \ Source \ <- this folder should contain source code
- <your_name - Ruby>.zip \ SQL \ <- this folder should contain mysql scripts.