Magneto2 Exercise -22/07/2016

1. Create sales report by category
   - Splits sales by category for ordered products.
   - Include following fields in report
     - Category Name
     - Item ordered from category
     - Subtotal
     - Total
     - Invoiced
     - Refunded
   - 20 hours

2. Add one new customer attribute named as "Nick Name"
   - Ask customer to add this value when creating new account from frontend.
   - Populate value in backend customer account, which can be editable.
   - Show attribute value in customer account area in frontend, customer grid in backend.

   -12 hours

3. Add "Affected Products" in catalog price rule.
   - Add new Tab "Affected Products" below "Actions" tab.
   - Use layout for this tab same as "Related products" in catalog, fetch those products which are affected by rule.
   - 16 hours

4. Add new field in product review form on product view page.
   - Add "Would you recommend this product to a friend" dropdown with "Yes/No" value.
   - Populate value in backend review form.
   - 16 hours

5. Add order Processing Fee to Cart.
   - Add new menu in System >> Processing Fee, add one text field to add value in percent for fee.
   - When any product added to cart, add added additional fee from configuration to cart subtotal amount.
   - Same Fee will affect everywhere where order data is associated.
   - 20 hours

6. Product availability check by entered Pin code.
   - Add new text attribute "Valid Pin code" to allow enter pin codes.
   - Add one text box in product view page besides add to cart button to allow customer to first enter pin code.
   - If pin code is invalid for the product, show error message "Product is not available for this pin code", same error will be shown on checkout page if customer enter invalid pin code for any products.
   - 18 hours

7. Popup login.
   - Upon click on "Sign In", open one popup instead redirecting customer to individual page.
   - Customer can create account from same popup.
   - All the operation will be done through Ajax.
   - 20 hours

8. Magento Import / Export categories.
   - Add new tab in System >> Data Transfer >>"Export Categories" and "Import Categories".
   - Export all the category data, and same format will be in import category.
   - 40 hours

9. Product daily deal
   - Create one new tab in Manage product section "Daily Deal".
   - Add two product attribute "Deal status" as Enable / Disable, and second would be date picker attribute.
   - Based upon the product setting, add JavaScript timer countdown in product view page.
   - Remove counter automatically after deal ends.
   - 15 hours

10. Restrict Category by Customer Group.
    - Add dropdown named "Customer Group" with all the available group as options under Categories "General Information" section.
    - Code feature in frontend which can restrict those category for the selected groups from purchase.
    - 16 hours

11. Create simple Add/Update/Delete Module with following types of input elements: text, checkbox, drop-down, radio, multi-select, text-box, color-selection. Grid and Edit/Add Form should be manageable from both admin and front-end. - 12 Hours

12. Implement slider extension in the Home Page. - 8 Hours

13. Create a custom tab in the admin product page in which the contents will be Title and WYSIWYG Editor. Display this tab in the front product view page. - 8 Hours

14. In admin order gird - In filters section, change the STATUS type from drop-down to multi-select. The filtering should be then with respect to all selected status. - 5 Hours

15. Create an extension which will delete the selected orders from the admin. - 4 Hours

16. Create a module for simple products in which - we will have custom price attribute and if that price is minimum of all other prices, then that will be the final price of that product. - 10 Hours

17. Subscription in the pop-up when customer visits the website. Provide the options "Not Now", "Never Show Again". - 6 Hours

18. Implement lazy loading for products in the listing pages. - 10 Hours

19. Create a brand extension. Display the brand images in the home page slider. We can assign the products to the brands. On clicking the brand, it will redirect to brand page which will have all the products of that brand with default Magento toolbar and pagination. - 12 Hours

20. Create custom shipping method with country selection and custom shipping price. - 4 Hours

21. Create a customer attribute Bank Acct. No. (Simple Text Field) and this will also be displayed in the Billing Step and customer registration. - 4 Hours

22. Create a sales order attribute "Comment" (if any customer wants to add any comment while checkout process). - 2 Hours

23. Add the "Comment" attribute in the invoice PDF. - 2 Hours

24. Create a new tab in admin customer page that will contain the grid of products. We can select/un-select the products from that grid. - 10 Hours

25. Create a new tab in front customer profile page that will display the product listing that we selected from the admin grid in above task. - 5 hours

26. Create a input field in the product view page, so that customer can add their email address to get notified if the product is out-of-stock. Those address will be displayed in the admin. - 6 Hours

27. Create new category attribute using setup script. - 2 Hours

28. Create a module in which if any changes done in the customer admin profile page, then the customer should get notified. - 3 Hours

29. Create a script in which we can update qty and stock status using magento default API. - 3 Hours

30. Create the configuration field of color selection, whatever the color is selected, product title should use that color in list and view page. - 2 Hours

31. Create slider of products that are best-sellers in last 2 weeks. - 4 Hour

32. Create a cron, in which the latest products (last 3 days) should get auto-assigned to a category. Maximum number of products on that category should be 10. If there are no more products to assign, then it should persist last added products. - 4 Hours

33. Implement a testimonial module, where customer can give the testimonial about the service. Customer should also be able to add the youtube url if he wants to give the video testimonial. - 6 Hours

34) Create a module which uses ajax to add the product to the cart, update of quantity should also be with Ajax in cart page.- 10 Hours

35) Change the fonts of the invoice PDF - 3 Hours

36) CRUD & SEARCH: - 4 hours

- Built a custom module for frontend, where customer perform add/edit/delete & search operations using single database table.
- This section should be available to logged in customers only.

37) Customer Login IP Restriction: - 6 hours

- Using Rewrite Model/Observers, built a functionality where customer can login with some allowed ip-addresses.
- In admin panel, manage this ip-addresses with custom GRID.

38) Filter Products By Custom Attribute – 4 hours

- Create a custom product attribute 'homepro' with valus (Yes/No). Attribute should be created with install/upgrade sql script.
- On Home page display products with 'homepro' value 'Yes'. Max 5 products.

39) Order Delivery Date - 5 hours

On Checkout page, add "Delivery Date" field in shipping section. It should be saved in Order data. Display this "Delivery Date" into:

 1) Order/Shipmen mails

 2) Order view page in admin panel

40) Migrate M1 data To M2 – 4 hours

- Migrate Catalog, Customer and Sales data from Magento version 1.x to 2.x.
- Initially try to migrate data from fresh M1 store with some simple data to fresh M2 instance.

41) Cart Price Rules – 1 hour

Setup below cart rules and verify on frontend:
1) Free shipping on all the products of specific category
2) Buy 1 Get 1 Free for specific products

42) Static blocks in custom layout – 4 hours

- Create tree static blocks with lorem ipsum values.

- Custom Module: On specific action(http://baseurl/yourmodule/controller/action) setup 3-column layout page.
- Now, call those static blocks into this page. One in content, second in left, and third one in right panel

43) Install Third Party Extension – 3 hours

- Install & Configure brand extension: http://landofcoder.com/magento-2-brand-extension.html/

44) Product's FAQ Module – 16 hours

- Create one custom module for FAQ.
- This section will be displayed on custom tab of product page.
- Customer can ask question.
- Admin can approve the question and anser it. After approval Q&A will be displayed on the same tab.Question will be searchable using searchbox on top of the FQA section.

45) Admin Login Logs – 8 hours

Track admin login activity along with below values:
1) Username
2) ip-address
3) status (login successful / or not)
4) Date & Time

- Manage GRID in admin panel to review all the logs.

46) Request a Quote form – 14 hours

- Built a custom module for frontend, it should contain a form with five fileds(like contact us form).
- On submit this form, one mail should be sent to customer.
- Create custom email template to use in above functionality.

47) ilastic-Search - 4 hours

Install/configure ilastic-Search in M2 Community edition.

48) Translation – 3 hours

- Create three store views (English, French, Chinese)
- Create custom template, which should have English text.
- Using M2's native translation functionality to translate your custom template according to store views.
- Note: only translate your custom template texts.

49) Connect two Magento2 instance by API - 24 hours

Use Magento2 native api and built auto sync functionality for the sections Catalog, Customer and Sales.

Ex. if you create one one product from backend then it should be automaticall created into second M2 instance.

50) Import Tax Rates – 2 hours

- Prepare CSV with some tax rates for different states/countries and import it from backend.
- Review it on frontend to make sure all the taxes are being applied correctly or not.