

Servlet Assignment

1.Design a form to accept loan amt, number of years

And show a button to calculate EMI

Assume that rate of interest is 10%

Interest=loan amt*rate of interest

Total amt=loan amt+interest

EMI=total amt/36

o/p

Loan amt: 500000

Interest rate : 10%

Interest amt: 50000

Total amt to be paid : 550000

EMI : -----

2. create 3 tables in database

user

uid,uname,role

accounts

(aid,name,email,balance)

Perform CRUD operation on Product.

- Allow user to login to your system, if authorized user
- Show page for add a/c, delete a/c, display all a/c, withdraw, deposit, check balance
- Perform appropriate operation.

JSP

They need to develop a web-based application to purchase books online.

- Authenticate the user by accepting username and password

- After Authentication user will be able to see a drop down to select category for books.

Show list of book as follows

User name <uname >		Category <Category >		
Book Id	Book Name	Author Name	Price	
---	----	----	----	<input type="checkbox"/>
----	---	----	----	<input type="checkbox"/>
Submit Oredr		Logout <link >	Show Cart <link>	

- Login ID must be taken from login page.
- Display Books details based on selected category, display all the Books with all the details.
- Click on Logout link will display message Thanks for visiting! Do visit again and show login page below the message
- The customer needs to select the checkbox to buy a book
- To place the order click the **Submit** order Button.
- Display bill for all purchased books.

Spring Assignment

1. Design spring Application using spring IOC to create object of Employee class.
2. Write spring program to perform crud operation for Team and Player class. Use database to store data

Display Menu

- a. Add Team
 - b. Delete Team
 - c. display all teams
 - d. check the given player exists in the team
 - e. exit
3. Design spring mvc application to perform CRUD opeartion

4. Abc electronic shoppe requires software to sell their products online. Design a web application for the same using Spring MVC.

Create an application which will allow the customer to see the list of products and place the order. Before placing order validate users username and password.

Home Page

ABC electronics shopee

List of Products

When the user clicks on the link, the following page should be displayed.

Screen Shot of ProductList Page

ABC Electronics Shopee

Product ID	Product Name	Price	Available Quantity	
101	Mouse	400.0	12	<input type="button" value="Order Now"/>
102	Keyboard	800.0	15	<input type="button" value="Order Now"/>
103	Pen Drive 8 GB	900.0	22	<input type="button" value="Order Now"/>
104	Head Phones	300.0	122	<input type="button" value="Order Now"/>
105	Monitor	2500.0	0	

As shown in the screenshot. Order Now button should be there for available products only.

After clicking on the Order Now button for one of the products, Order Now page should be displayed as follows:

Screen Shot of OrderNow Page

ABC Electronic shopee

Order Now

Product Id	104
Product Name	Head Phones
Price	300.0
Available Quantity	122
Order Quantity	20
Order Address	Flat No . 6, Hiranandani
Phone No	9987654327
<input type="button" value="Order Now"/>	

In this page Product info should be populated automatically and customer has to insert Order Quantity, Order Address and Phone No. Following validations are required:

1. Order Quantity, Order Address and Phone no. fields are mandatory.
2. Phone no should be of 10 digits.

After clicking on Order Now button, order info should be inserted into orderProduct table and also update the available-quantity of the product in product table.

If Order quantity is greater than available quantity for that product, following error page should be displayed.

ABC Electronic shopee

Quantity should not be greater than available quantity

Otherwise success page should be displayed.

Spring web service

Design spring web service to return Account table data in json format.