Customer Record Management System

Using CodeIgniter and Bootstrap

Contents

Introduction

I used codeigniter 3.1 and bootstrap 4.4 to development my web application for *Nancy Cake*.Further ,my application basically uses one table called "customer" from the database to demonstrate CRUD operations and report generation.Customers page displays all the customer stored in the database with some action buttons .They are 'Genarate Report' button and 'back' button,'Delete' button and 'Update' button .Register page displays the Register for and it used to add a new customer into the database,form data will be validated and stored in the databse if the validation is successful.If not,relevant error messages will be displayed. When the user clicks the 'Update' button user can see Update Customer Details form .Update customer details and after pressing 'update details button'then the changes will be updated in the database.When the user clicks 'Delete' button ,corresponding record will be deleted from the database.Furthermore,when we the 'Genarate Report' button is clicked all the data from customer table will be open the table in a PDF.

In addition to that I added a navigation bar ,background image,page title and body texts,column sections to my web application using Codeigniter and Bootstrap.

Development steps

Step1:Download CodeIgniter and extracted files to the localhost directory.

Step2:Downlaod bootstrap and extracted files in to the codeigniter folder.

Step3:Created database and a table.

Step4:Connected database with codeigniter.

Step5.Create a view files in views directory as register,home,display_users,update.

Step 6:Linked bootstrap file to register,home,display_users,update.php files.

Step7:Created Reg_Model.php file in model folder.

Step8:Created pages for about,home,customers,register.

Step9:Modified main.css file .

Step 10:Created form for add new customers and facilitate delete;

Step11:Created controller ,model,view for report generation.

Functionalities

- Add new entries to customer table.
- View all the data in the table .
- Delete entries from customer table.
- Generate report.

Experienced gain

- Better understanding about MVC architecture
- Use of active records to perform SQL queries easily.
- Integration of bootstrap and codeIgniter to use bootstrap templates in the project.
- Use and modification of bootstrap components and elements.
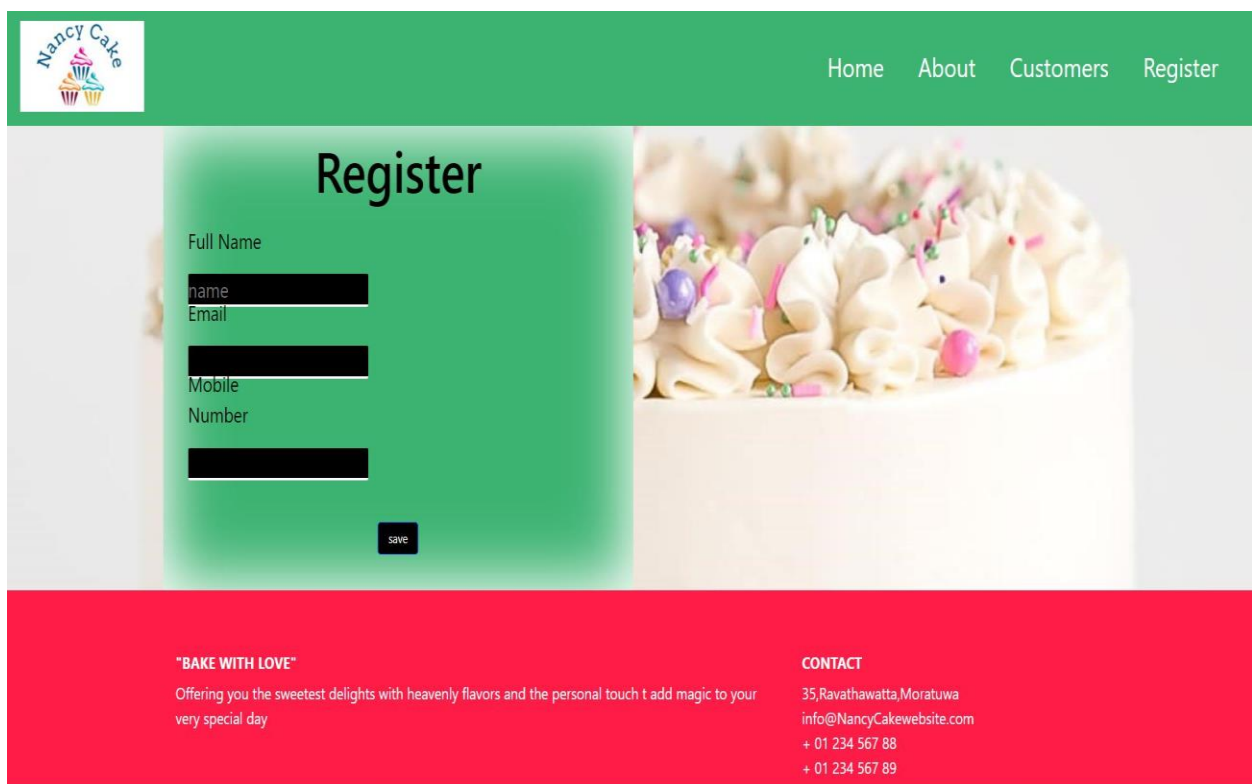- Use of best coding practices.

Challenges faced

1.After connecting database with codeigniter ,a database error occurred again and again.

  Solution:I canged the hostname in the database.php file like this localhost->localhost:3308.

2. Confusion on routing concepts .

 Solution: with the help of online tutorials gained a good idea about this technique.

Customer Details

id	Name	Email	Mobile	Delete	Update
1	Dinali Jayasinghe	dithujayasinghe9608@gmail.com	723126890	Delete	Update
2	Shamali Pathirana	shyamaleeprasanthika96@gmail.com	765187655	Delete	Update
3	Thilini Fernando	thilinifernando12@gmail.com	774521896	Delete	Update
4	Thisari Rashmika	thisarijayasooriya@gmail.com	717845239	Delete	Update
5	Vihangi Thathsara	vihangithath@gmail.com	762255679	Delete	Update

Genarate Report

Back

Update Customer Details

class=Enter Your Name   Dinali Jayasinghe

Enter Your Email   dithujayasinghe9608@gr

Enter Your Mobile   723126890

Update Details

id	Name	Email	Mobile	Delete	Update
1	Dinali Jayasinghe	dithujayasinghe9608@gmail.com	723126890	Delete	Update
2	Shamali Pathirana	shyamaleeprasanthika96@gmail.com	765187655	Delete	Update
3	Thilini Fernando	thilinifernando12@gmail.com	774521896	Delete	Update
5	Vihangi Thathsara	vihangithath@gmail.com	762255679	Delete	Update

Genarate Report

Back

User Details Report

ID	Name	Email	Mobile
1	Dinali Jayasinghe	dithujayasinghe9608@gmail.com	723126890
2	Shamali Pathirana	shyamaleeprasanthika96@gmail.com	765187655
3	Thilini Fernando	thilinifernando12@gmail.com	774521896
4	Thisari Rashmika	thisarijayasooriya@gmail.com	717845239
5	Vihangi Thathsara	vihangithath@gmail.com	762255679

STRAWBERRY CAKE

This is a true favorite, especially in the south. Made with either butter or oil, red velvet cake's color classically comes from the reaction of buttermilk and cocoa powder. Modern versions often achieve this hue by using red food coloring, or in the case of the raspberry velvet cake, shown here, pink..

CHOCOLATE CAKE

This cake is made "devilish" by the addition of chocolate in the form of cocoa powder. Extra baking soda causes the crumb to have more air bubbles, giving it a light and airy texture. This rich cake is frosted with either chocolate frosting or buttercream.

BUTTER CAKE

This category includes both baked (think cheese cake or flourless chocolate) or unbaked (like mousse or unbaked cheesecakes) varieties. Typically very rich because of the high fat content, these cakes may or may not have a bottom crumb crust..