

# *Read Me*

**Name: Mithun Alinkil**

**UID : A20331172**

**Email: malinkil@hawk.iit.edu**

**Project : Final Project**

## **About the Project:**

Created application based on Laravel Framework. The application consists of CRUD operation and basic user authentication , registration.

Features Of Application :

- 1.On opening the application a user has to first register. Once registered he will be redirected to the index page.
2. The index page consists of Basic CRUD operation where a user can Add, Read, Update and Delete the product.
3. I have also introduced **pagination** for the index page so that if the data is beyond a certain limit the rest of the data can be forwarded to next page.
4. A user can add product. He can view individual product by clicking the **show button** .
- 5.In order to update the product the user has to click on the edit button and he will be redirected to a new page where he can update the product.
- 6.If a user wants to delete a product he will be prompted before deletion of the product whether he really wants to delete the product.
- 7.In order to see the **about page(static page)** the user has to click on the **Home Page link** provided on the **top left hand corner** and he will be redirected on the index page.
- 8.For **signing out** the application I have introduced a **dropdown button** on the **top Right hand corner** of the page .
- 9.Added **Bootstrap and Css** styling for the project

## **Requirements as per the Documents:**

Framework : **Laravel5**

Controller : **ProductController** for **Products**

                  : **firstController** for **Static Page (About Page)**

                  : **AuthController and PasswordController**

Data Model: **Products and Users**

Database: **MySQL**

## Development Environment:

Operating System: Windows 8

IDE: PHP Storm

Server: XAMPP

Framework: Laravel5.1

Database: MySQL

## Laravel 5 Setup Instructions:

- If you are using Windows Machine. Please visit the below link  
<http://tutsnare.com/how-to-install-laravel-on-windows-xampp/>
- If you are using MacBook machine. Please visit below link for installation.  
<https://medium.com/@kunalnagar/install-laravel-5-on-os-x-23f3578386f1#.1cnh6ps0k>

## Instructions for Running the Project:

1. After successful installation of Laravel 5 open your command prompt and go to your Laravel folder in ht docs and type the following command

**php artisan serve**

```
C:\Windows\system32\cmd.exe - php artisan serve
Microsoft Windows [Version 6.2.9200]
(c) 2012 Microsoft Corporation. All rights reserved.
C:\Users\mithun.alinkil>cd\xampp\htdocs\laravel
C:\xampp\htdocs\laravel>php artisan serve
Laravel development server started on http://localhost:8000/
```

2. Now open your browser and enter the below URL

**<http://localhost:8000/>**

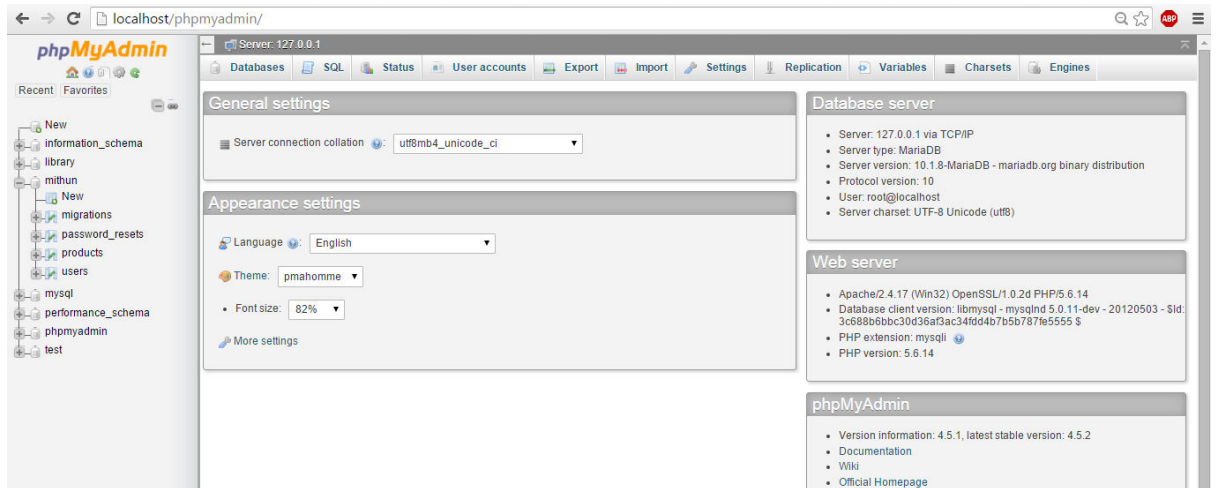


# Laravel 5

If the Laravel homepage appears that means you have successfully installed the application.

3. Now Unzip the file provided and paste it in the htdocs folder. **Make sure there is no file with the same name in htdocs(laravel)**
4. Now for the **Database** setup open php my admin by entering the following URL in your browser.

<http://localhost/phpmyadmin/>



5. Now create a **new Database** with name **mithun** and run the SQL dumps provided in the folder
6. Now open the file in any of the IDE and check if you have the same details  
Open **.env** file and check you have the same details

```
APP_ENV=local
APP_DEBUG=true
APP_KEY=jv1ztRvGgEgUxTtfdrLF05DeHVTbwF9u

DB_HOST=localhost
DB_DATABASE=mithun
DB_USERNAME=root
DB_PASSWORD=''

CACHE_DRIVER=file
SESSION_DRIVER=file
QUEUE_DRIVER=sync

MAIL_DRIVER=smtp
MAIL_HOST=mailtrap.io
MAIL_PORT=2525
MAIL_USERNAME=null
MAIL_PASSWORD=null
MAIL_ENCRYPTION=null
```

Open **config/database.php**

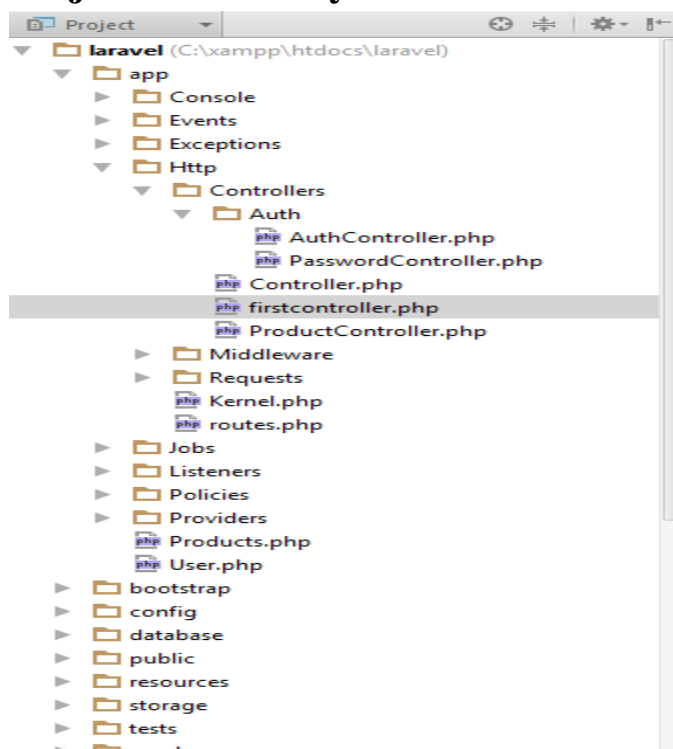
```

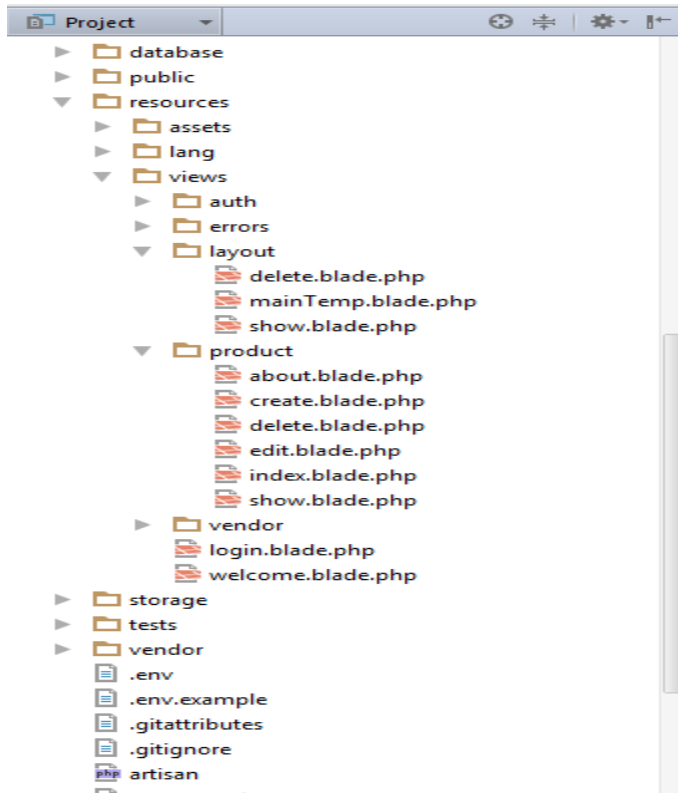
'mysql' => [
    'driver'      => 'mysql',
    'host'        => env('DB_HOST', 'localhost'),
    'database'    => env('DB_DATABASE', 'mithun'),
    'username'    => env('DB_USERNAME', 'root'),
    'password'    => env('DB_PASSWORD', ''),
    'charset'     => 'utf8',
    'collation'   => 'utf8_unicode_ci',
    'prefix'      => '',
    'strict'      => false,
],

```

- Now run the application by entering the following URL  
<http://localhost:8000/auth/login>

## Project Folder Layout:





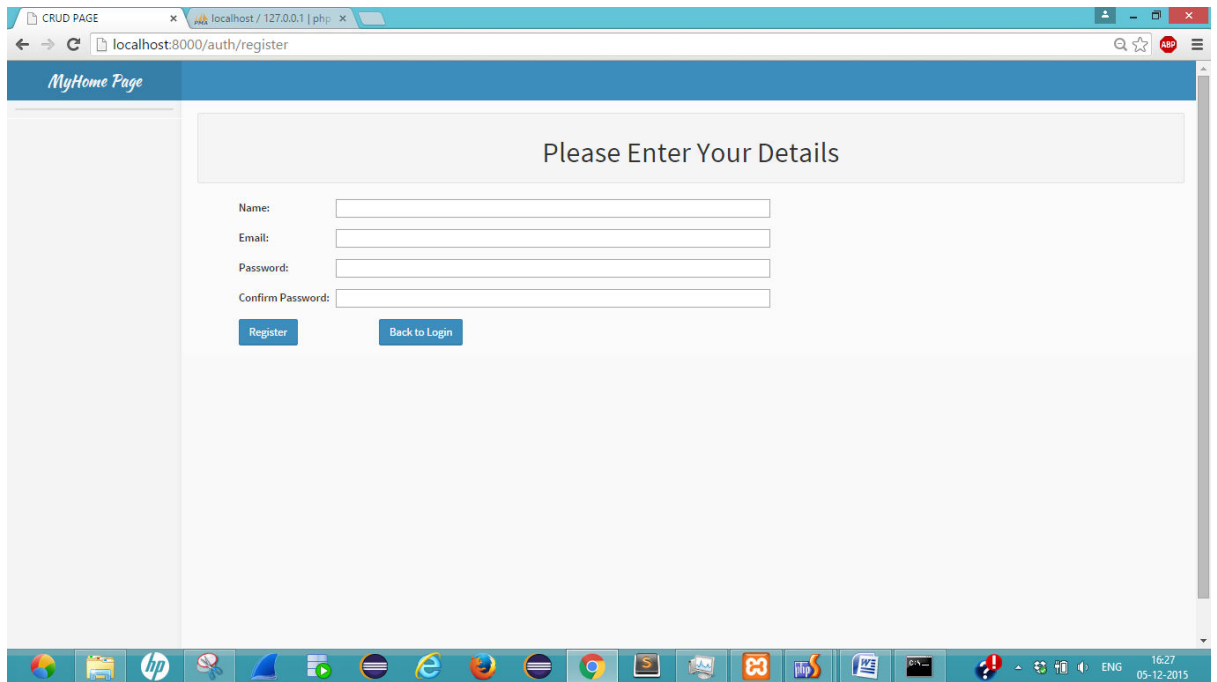
If you don't want to register and want to directly run application from the database dumps please enter the following details in the login page

Email : [mithun@gmail.com](mailto:mithun@gmail.com)

Password : mithun

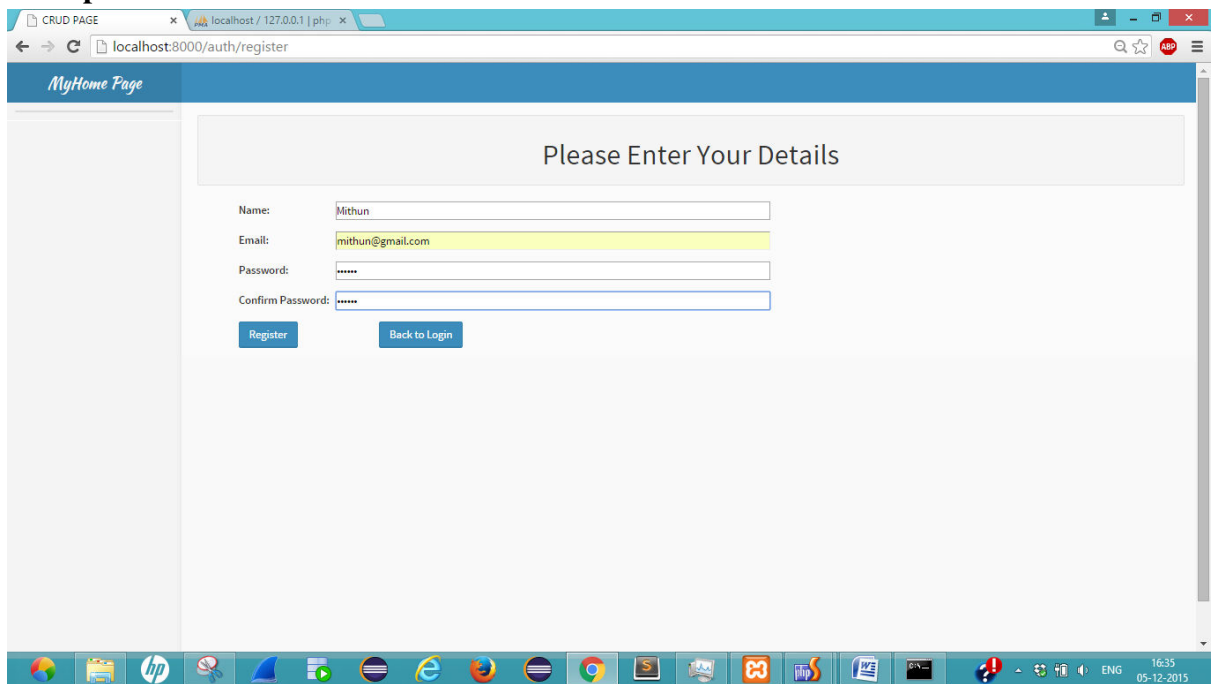
## PROJECT SNAPSHOTS:

1. If you are a new user click on the **Register button** and you will be redirected to the registration page.

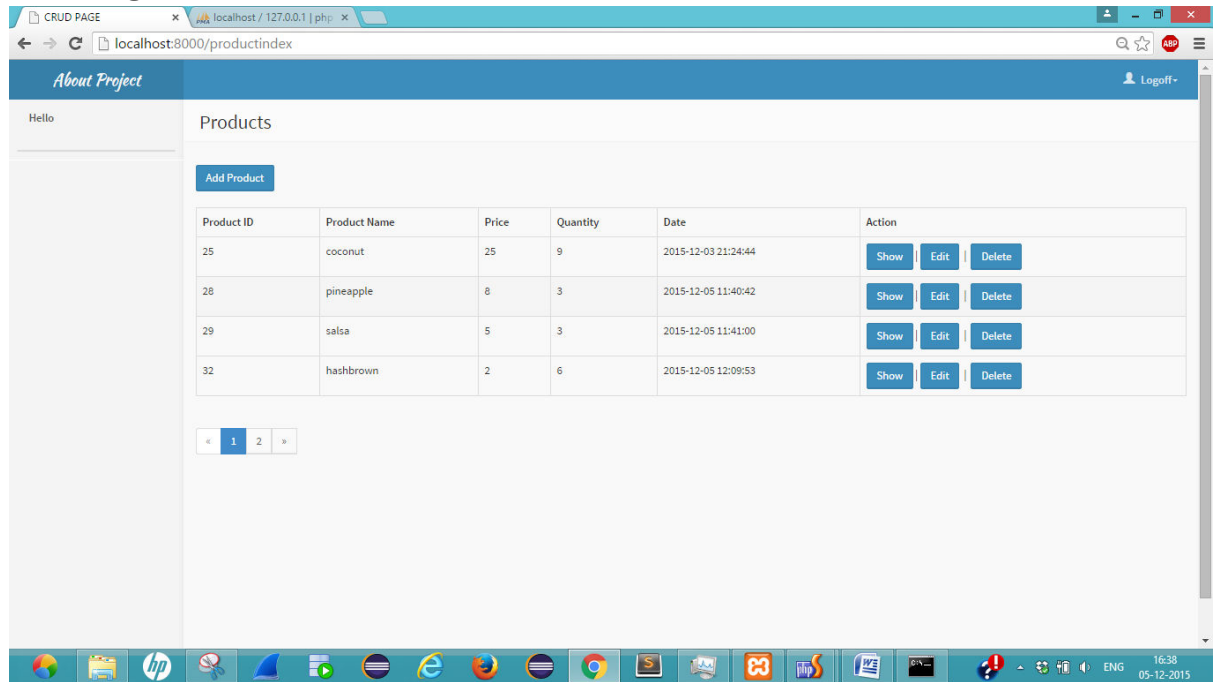


If the user provides all the correct details he will be redirected to the **index page**

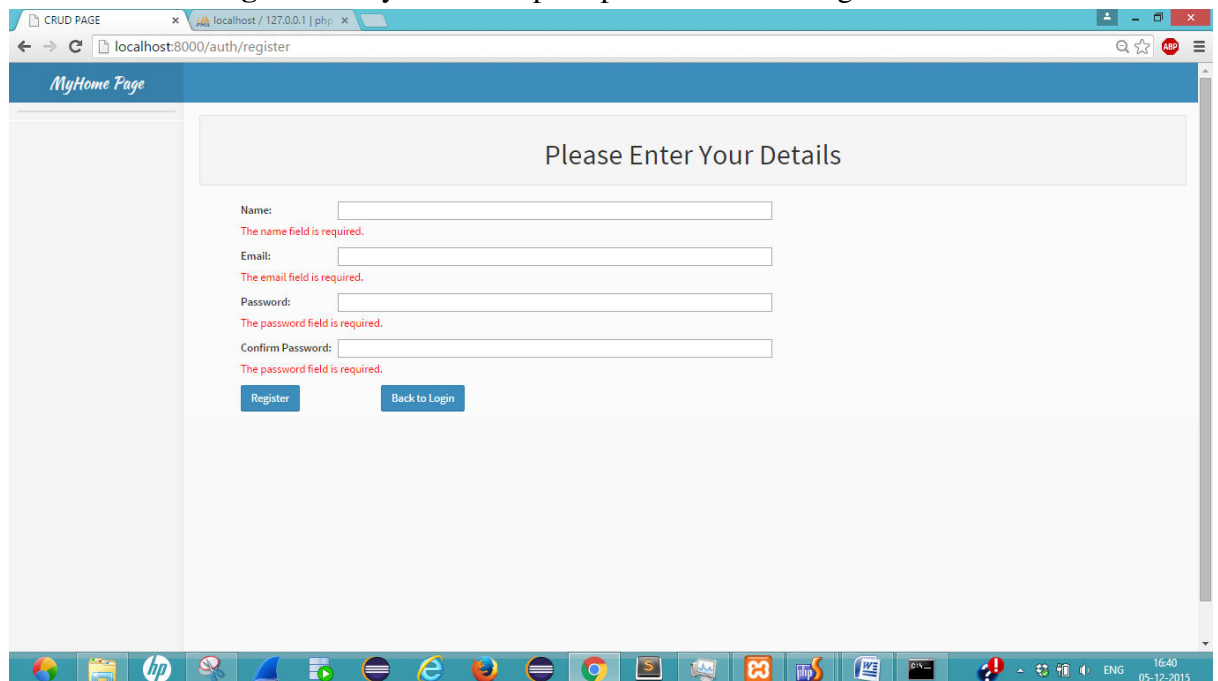
### Example



## Index Page:

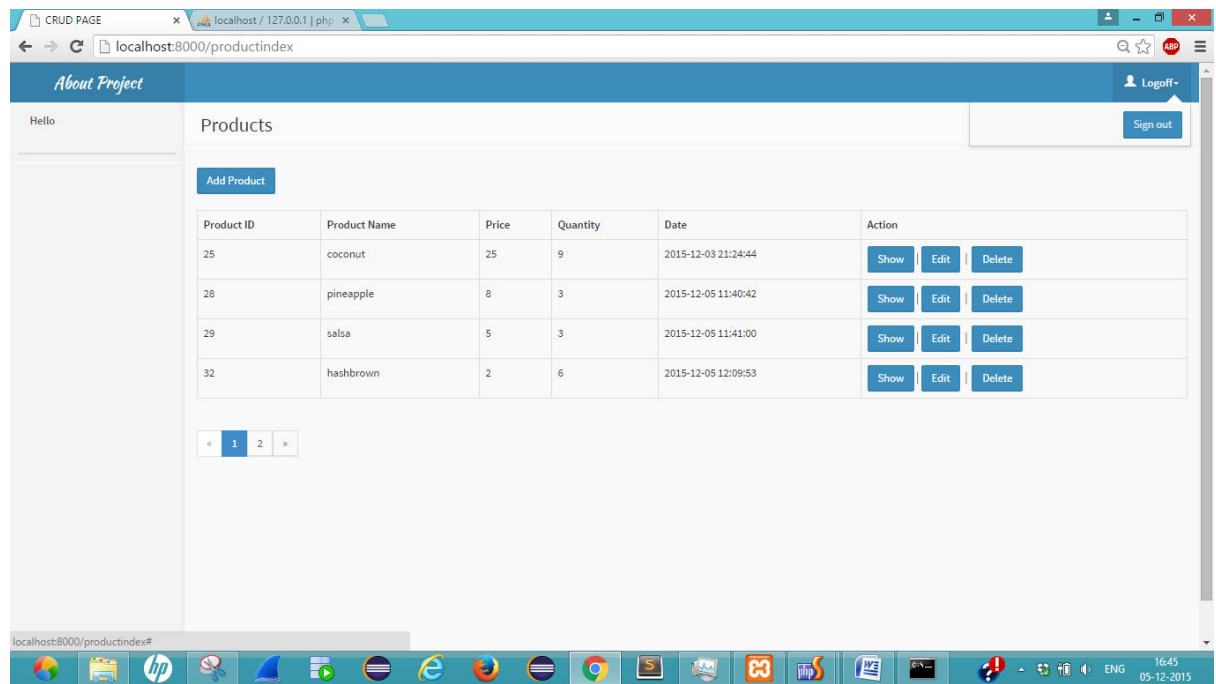


If **unsuccessful registration** you will be prompted with following errors:

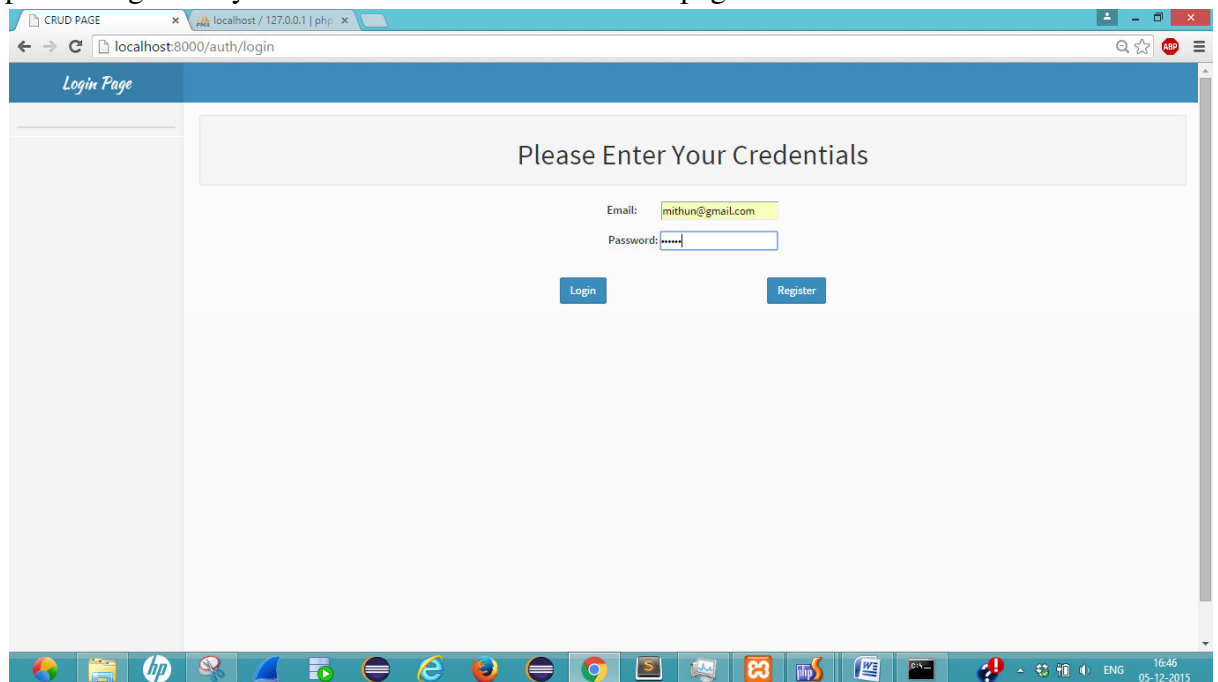


2. After you have successfully registered and you are on the **Index** page click on the **Logout** button on the upper right corner and click **SignOut**

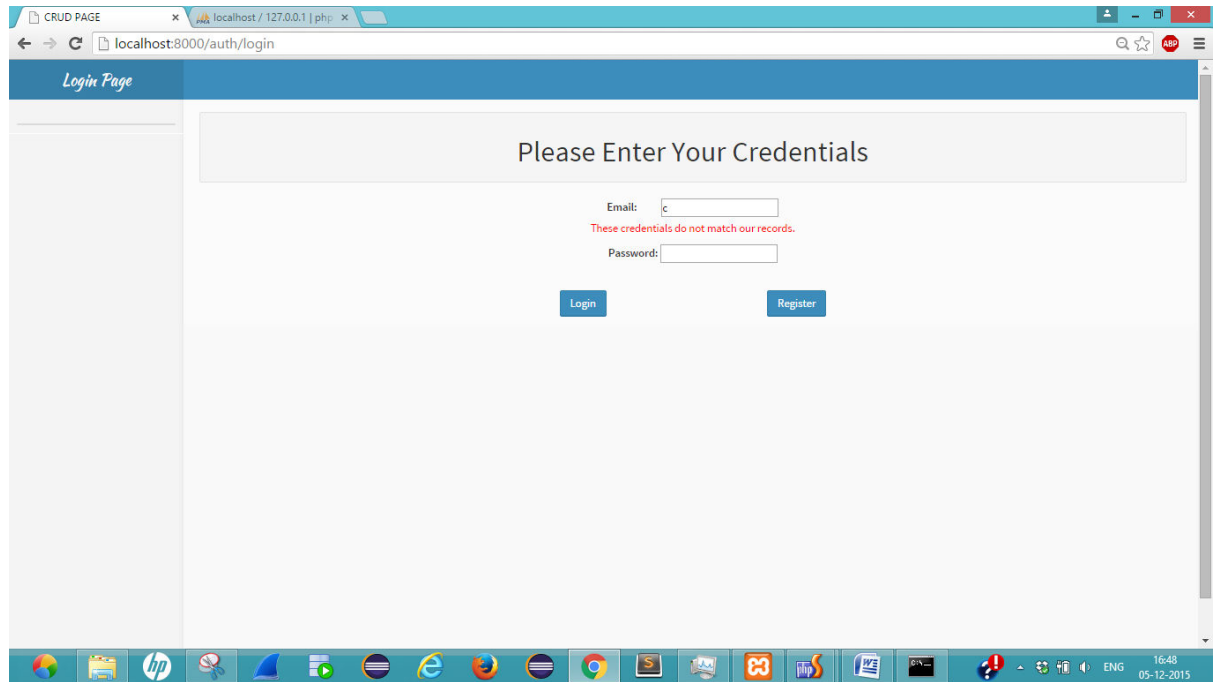




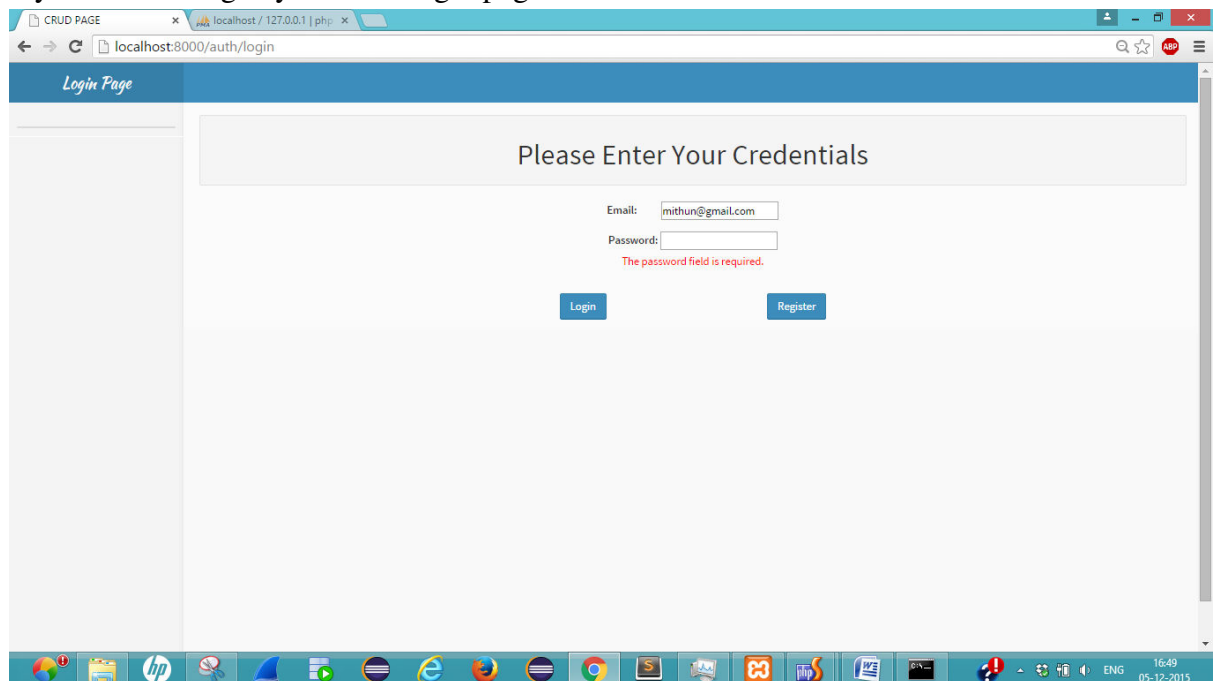
3. Now you will be redirected to the **Login Page**. Now with the registered credentials please Login and you will be redirected to the Index page



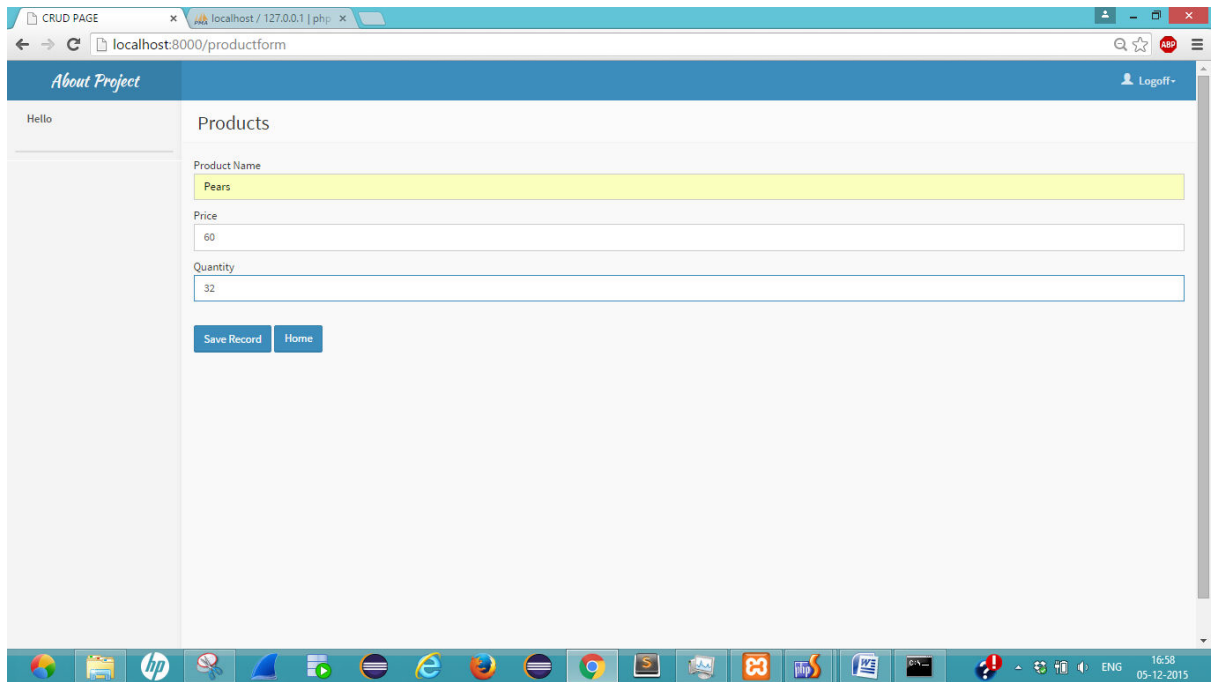
If the credentials entered are wrong you will be prompted with error message.



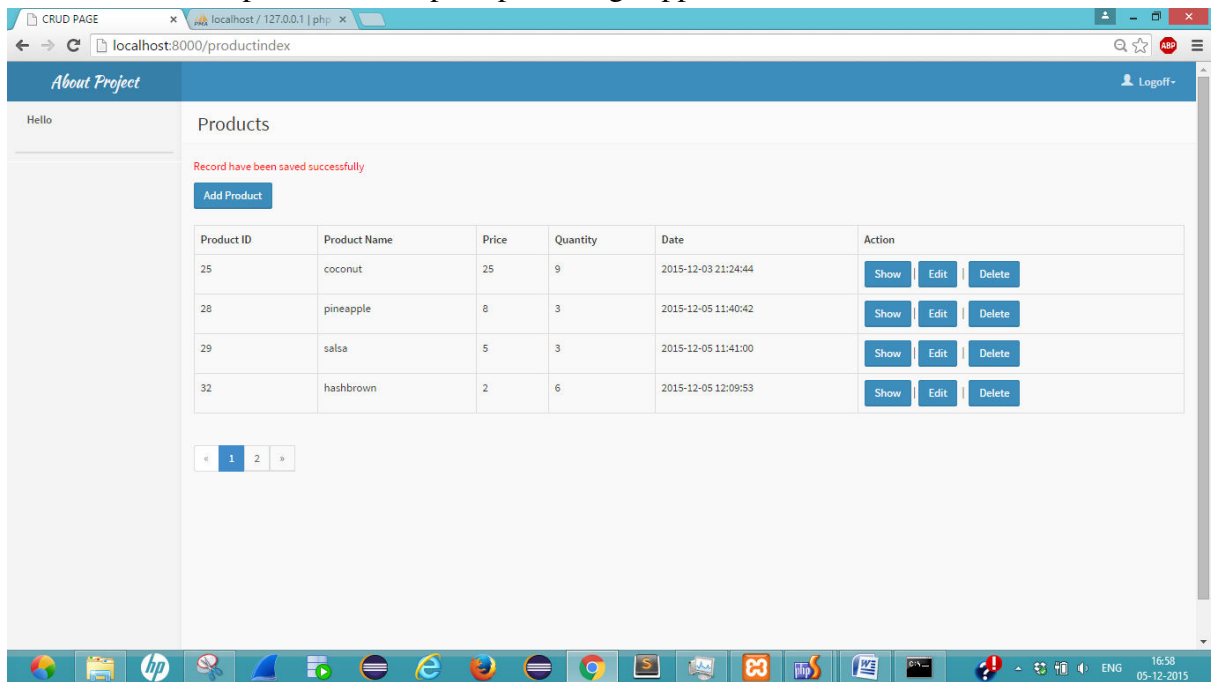
If you are missing any field in Login page



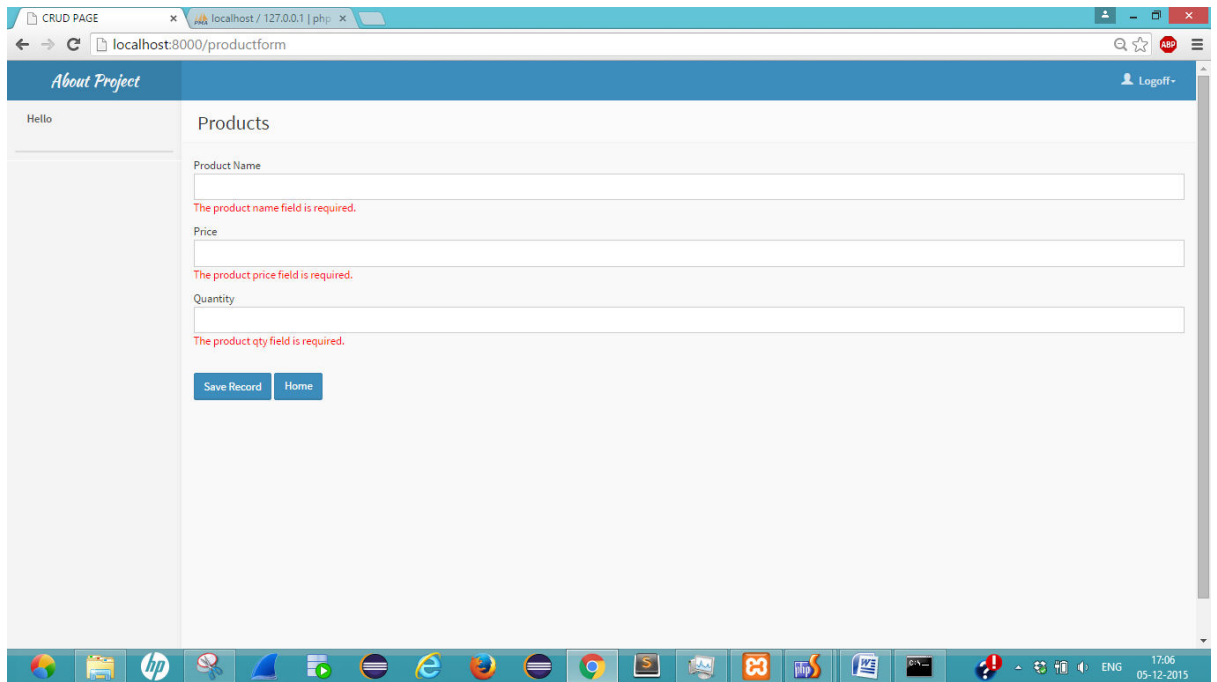
4. Now after successful Login click on the **Add Product Button** and enter the details



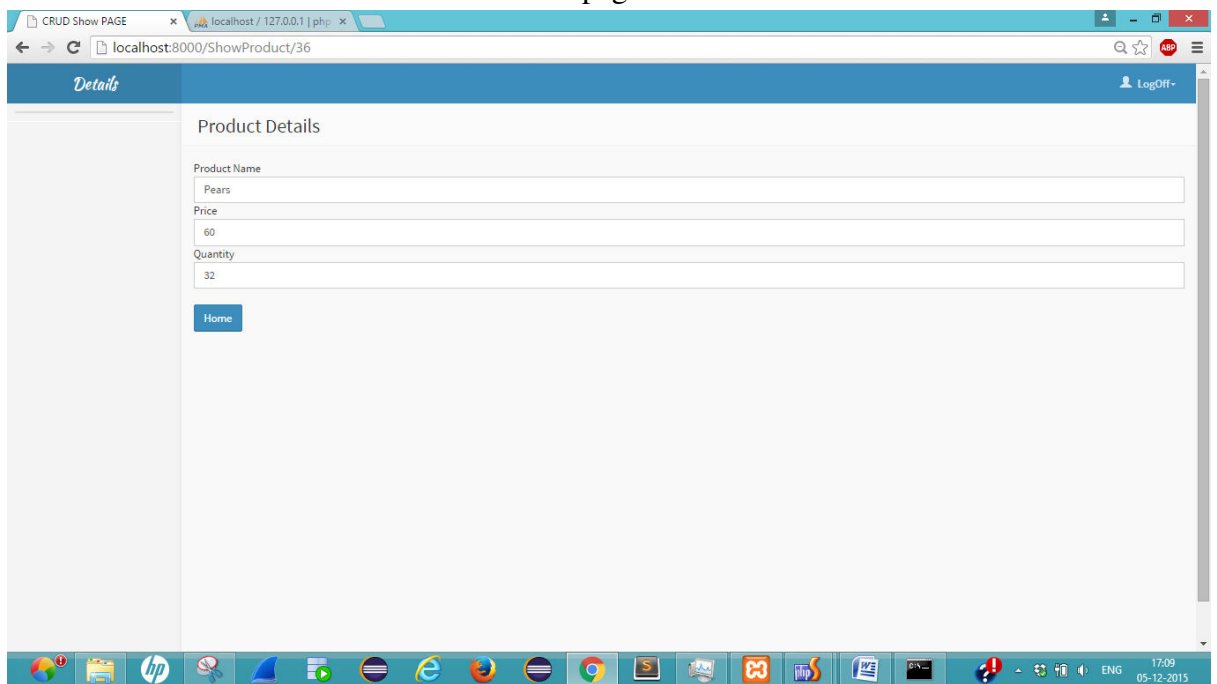
After successful input details the prompt message appears



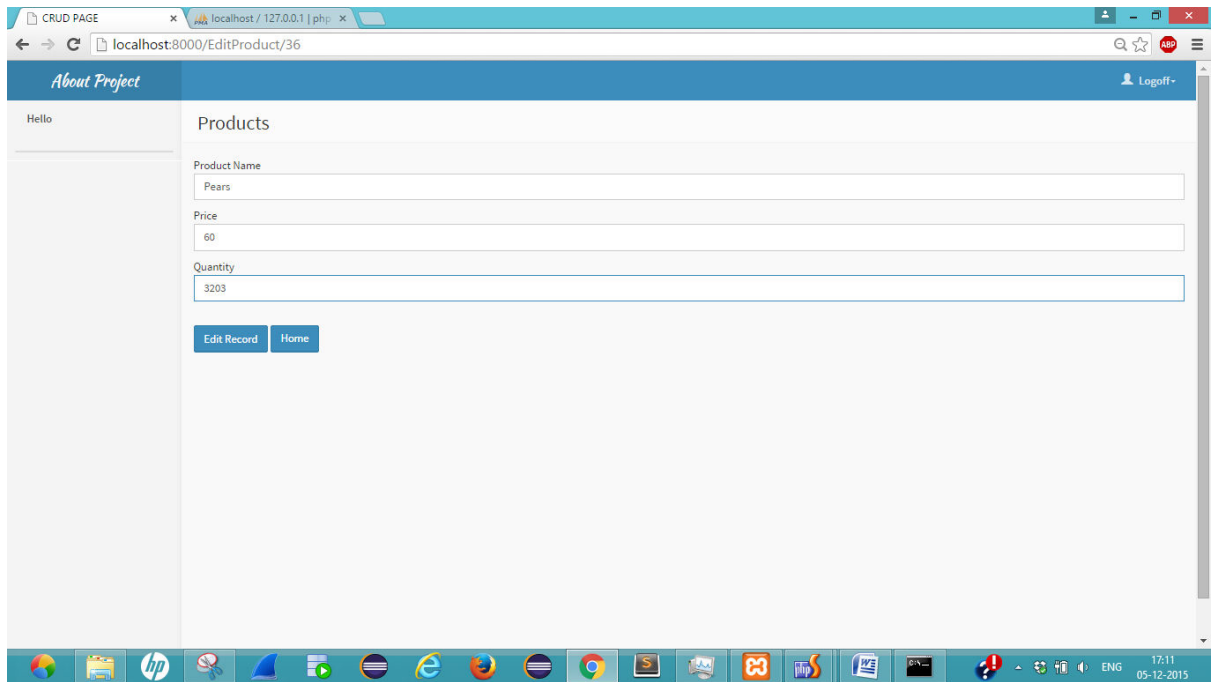
If the fields are empty then error message appears for the **Required fields**



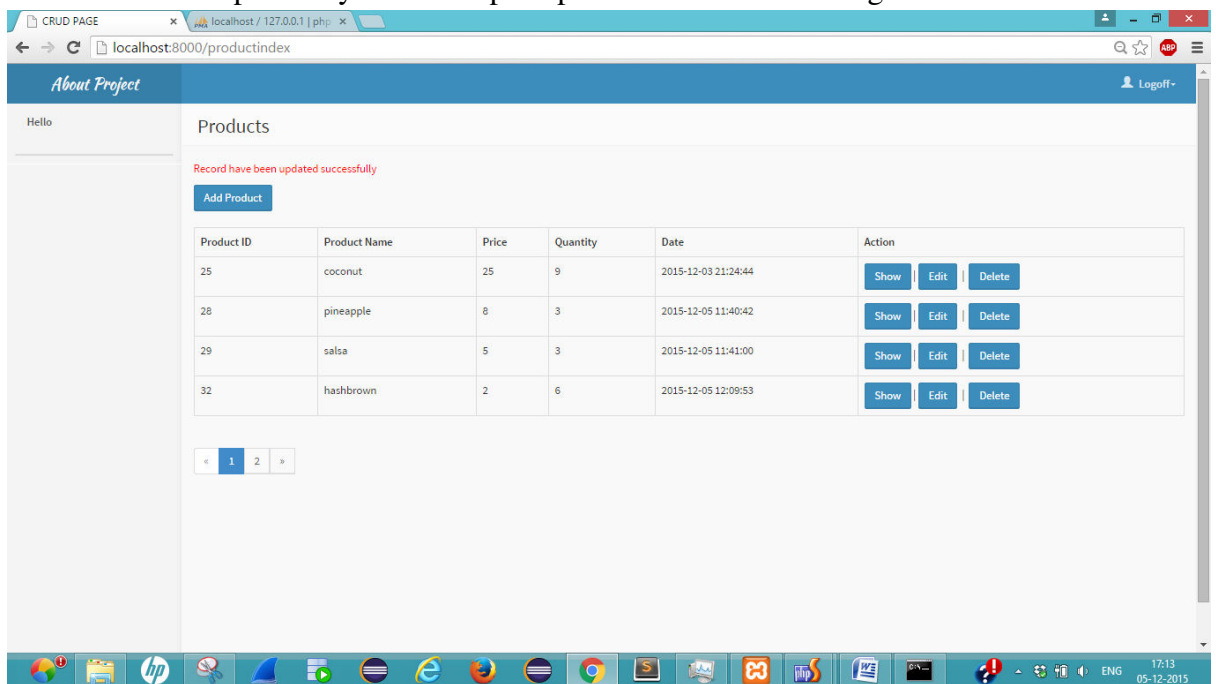
Now click on the **Show Button** on the index page



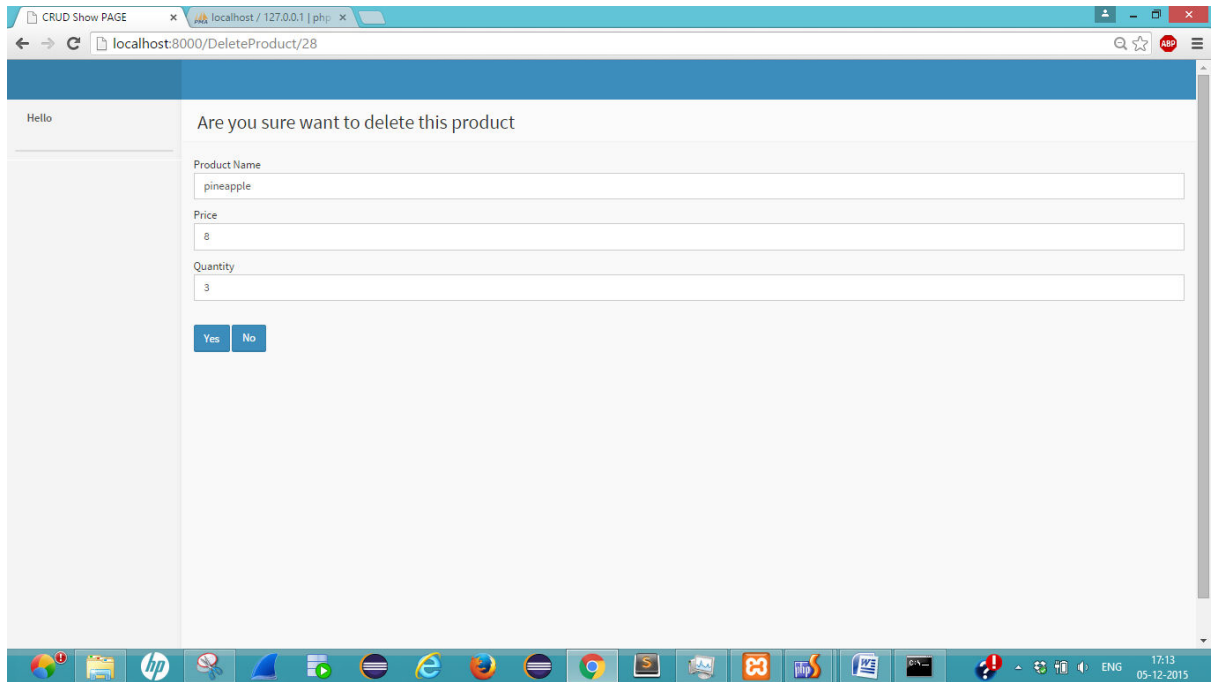
Now click on Edit Button and try updating any field for particular product



After successful update you will be prompted with success message



Now click on **Delete Button** and you will be prompted with confirmation page



CRUD Show PAGE x localhost / 127.0.0.1 | php x

localhost:8000/DeleteProduct/28

Hello

Are you sure want to delete this product

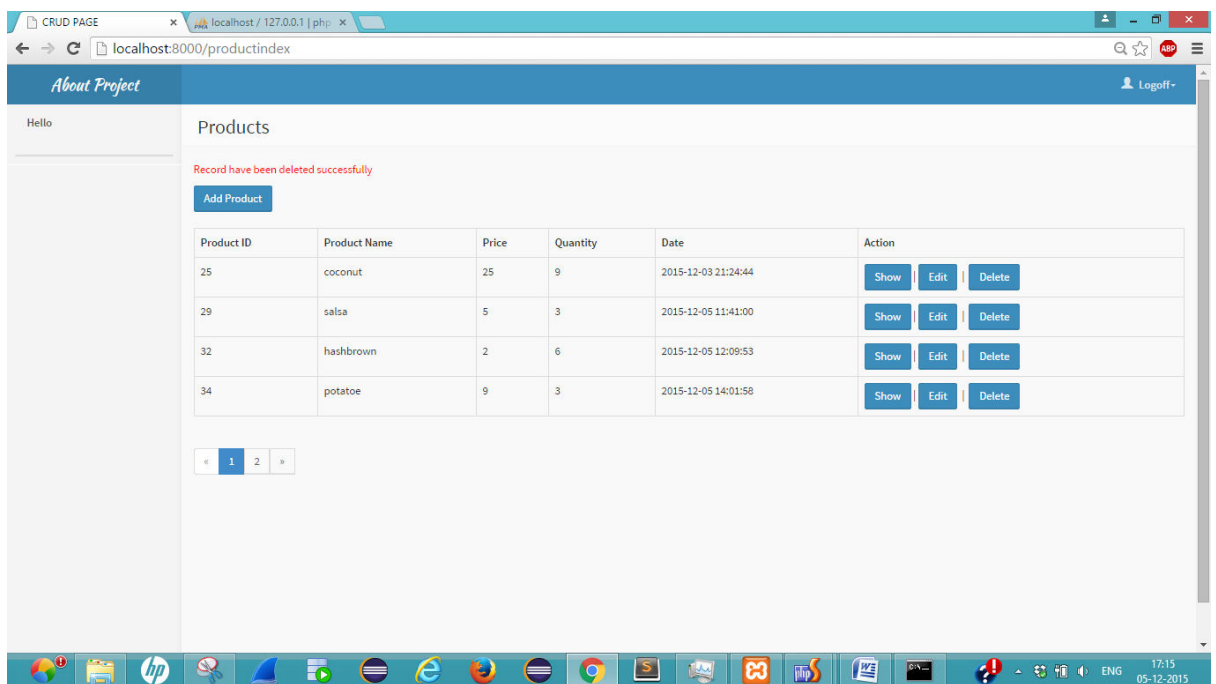
Product Name  
pineapple

Price  
8

Quantity  
3

Yes No

If **Yes** you will be prompted with success message that record has been successfully deleted.



CRUD PAGE x localhost / 127.0.0.1 | php x

localhost:8000/productindex

About Project Logoff

Hello

Products

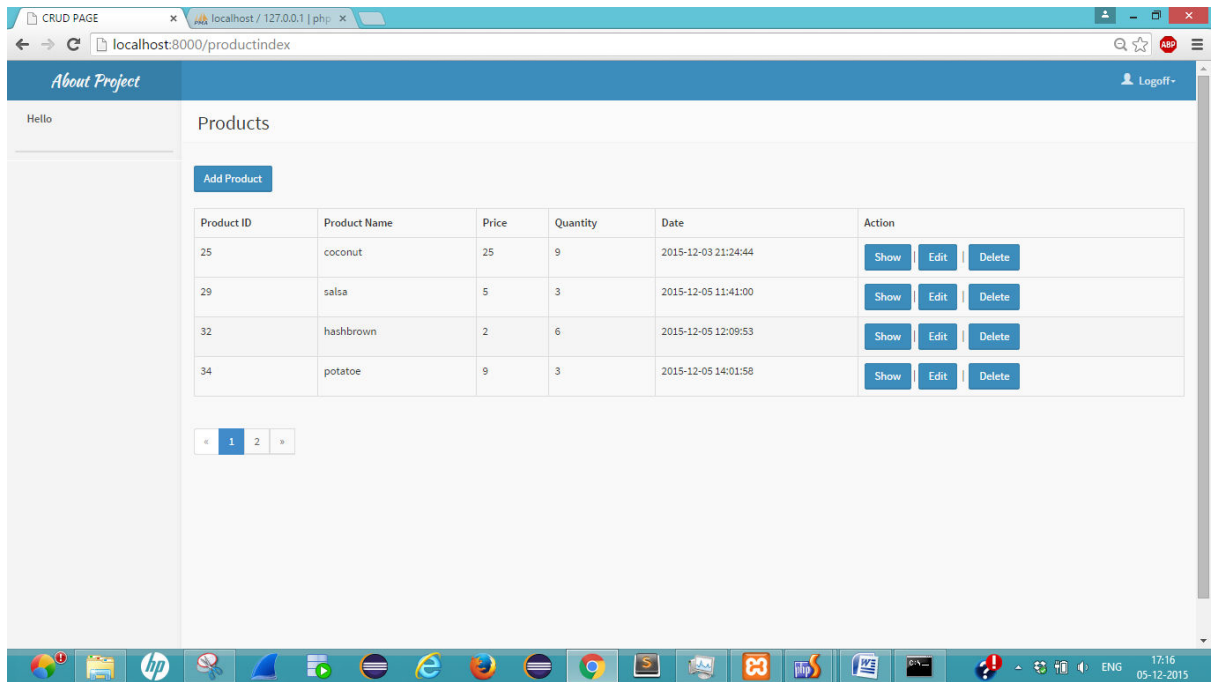
Record have been deleted successfully

Add Product

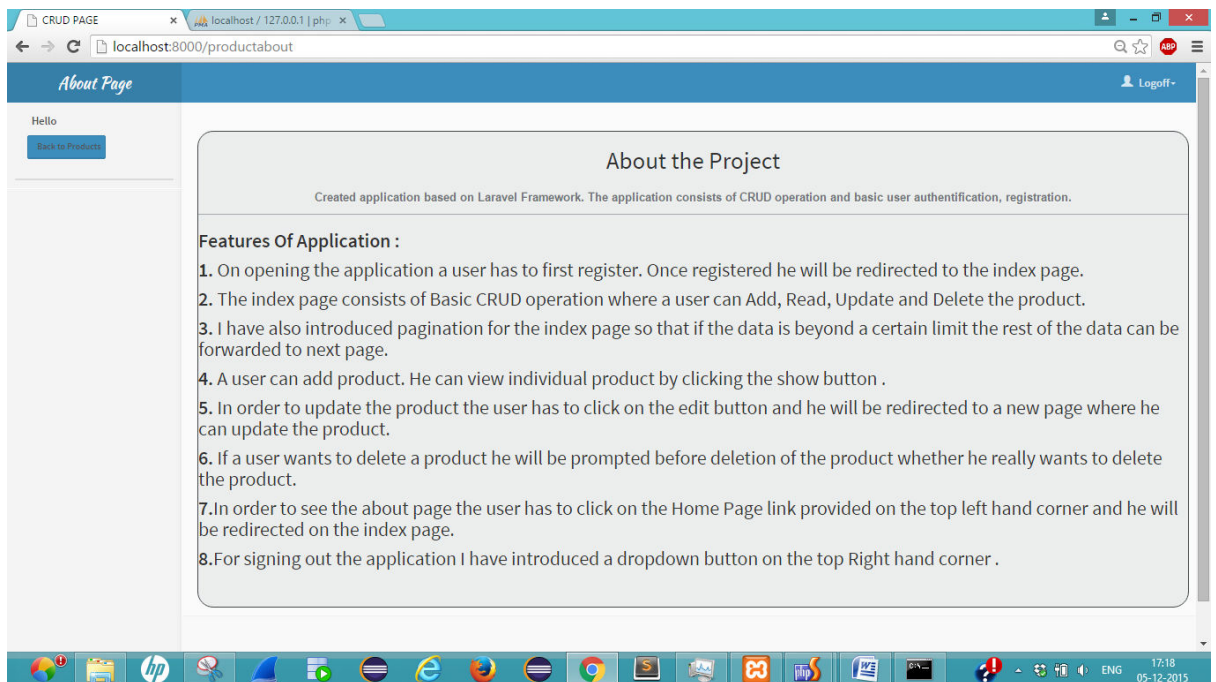
Product ID	Product Name	Price	Quantity	Date	Action
25	coconut	25	9	2015-12-03 21:24:44	Show Edit Delete
29	salsa	5	3	2015-12-05 11:41:00	Show Edit Delete
32	hashbrown	2	6	2015-12-05 12:09:53	Show Edit Delete
34	potatoe	9	3	2015-12-05 14:01:58	Show Edit Delete

1 2 »

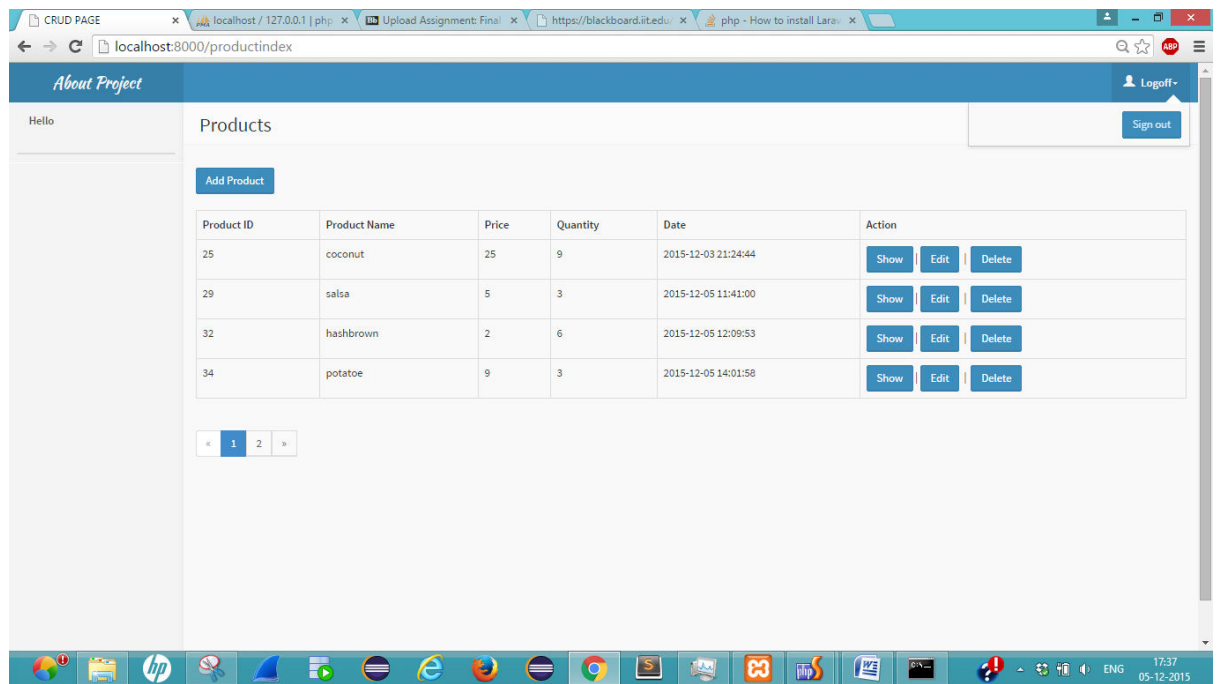
If **No** you will be redirected to the **Home Page**



Now for **Static Page** click on the **About Project** link on the upper left hand corner of the project.



Now After all operations have been done successfully you can logout from the application.



## Challenges:

Faced a lot of difficulty in routing and providing pagination on different pages. User authentication and providing a new controller was a difficult task.

## References:

1. <http://laravel.com/docs/5.1>
2. <http://laravel.com/docs/master/authentication>
3. <http://code.tutsplus.com/tutorials/using-laravel-5s-authentication-facade--cms-23461>
4. <http://stackoverflow.com/questions/25948560/how-to-install-laravel-5-0>