e**Kart**

(E-Commerce Project)

Faculty

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Course: CSE324.

Submitted By

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eKart Database Project

Abstract:

eKart project is a mini implementation of an e-commerce using web technologies. In this project we will provide all the necessary features that are needed for an e-commerce website. There are various modules in the project. Some of them are user sign up and login, controlling products in cart, reviewing products, easy checkout procedure etc. This project handles huge data from users and administrators effectively without compromising security. Whole project followed object oriented programming, so it will be easy to scale the project to a bigger level.

Implementation:

This project used popular web technologies to implement an online shopping platform. The web technologies that are used are PHP, HTML5, CSS3, JS, and AJAX which. Whole back-end is programmed in PHP. To maintain scalability various classes were defined. Separate class for user and product has been defined. This makes it easy to access data in the front-end. To manage the data of the users and products: MySQL, a popular Database Management Software is used. Various tables with all proper relations has been defined to maintain consistency among data without redundancy. This project doesn't compromise in user interface too. Followed the principles of material design in order to provide a user friendly interface. Implementation of various modules is given below.

Login and Sign Up:

Login and Sign Up page are showed in a modal. Sign up is loaded after the request from the user using AJAX as the Sign Up code is a bit large. In the Sign Up page we will take the first name, last name, email id, phone number, and password from the user. These details will be submitted using AJAX to signUpCheck.php. This backend script checks if user already exists by checking the email id that is provided. If the email id is already registered give feedback to the user that the email id is already registered else register

the email id and give feedback to the user. Similarly login page checks if email id and password matches to the data stored in database and then give user access to his account.

Product Filtering:

This module filters the product on user input. User can filter the products based on price, recently added and rating. User can also specify whether the results should contain out of stock items or not. User can also provide a search query and the results will be relevant to the query. This module is implemented by creating a function in PHP script which dynamically generates the SELECT query based on the user input. Once the query is generated PHP will interact with MySQL using PDO (PHP Data Objects) drivers for MySQL and the results will be displayed.

Rating and reviewing:

With the help of this module user will be able to add a review to the product and also rate it out of 5. If the user already added review for a particular product then PHP script will automatically recognizes that user already provided review and will give him options to edit or delete the review. This is implemented by maintaining separate table for reviews with the userid and productid as primary key. Whenever an individual product page is loaded all reviews related to that product will be displayed at the same time if the user is logged in then add/edit review options will be shown. All the reviews will be stored in database in the review table.

Check out:

User can add as many products into his cart. All these products will be stored and he can change number of items of the product whenever he wants to and also he can delete the product from the cart. Whenever user clicks on the Buy now button then it will take the user to check out page where he can finally review what all products he needs to buy and also quantity of each

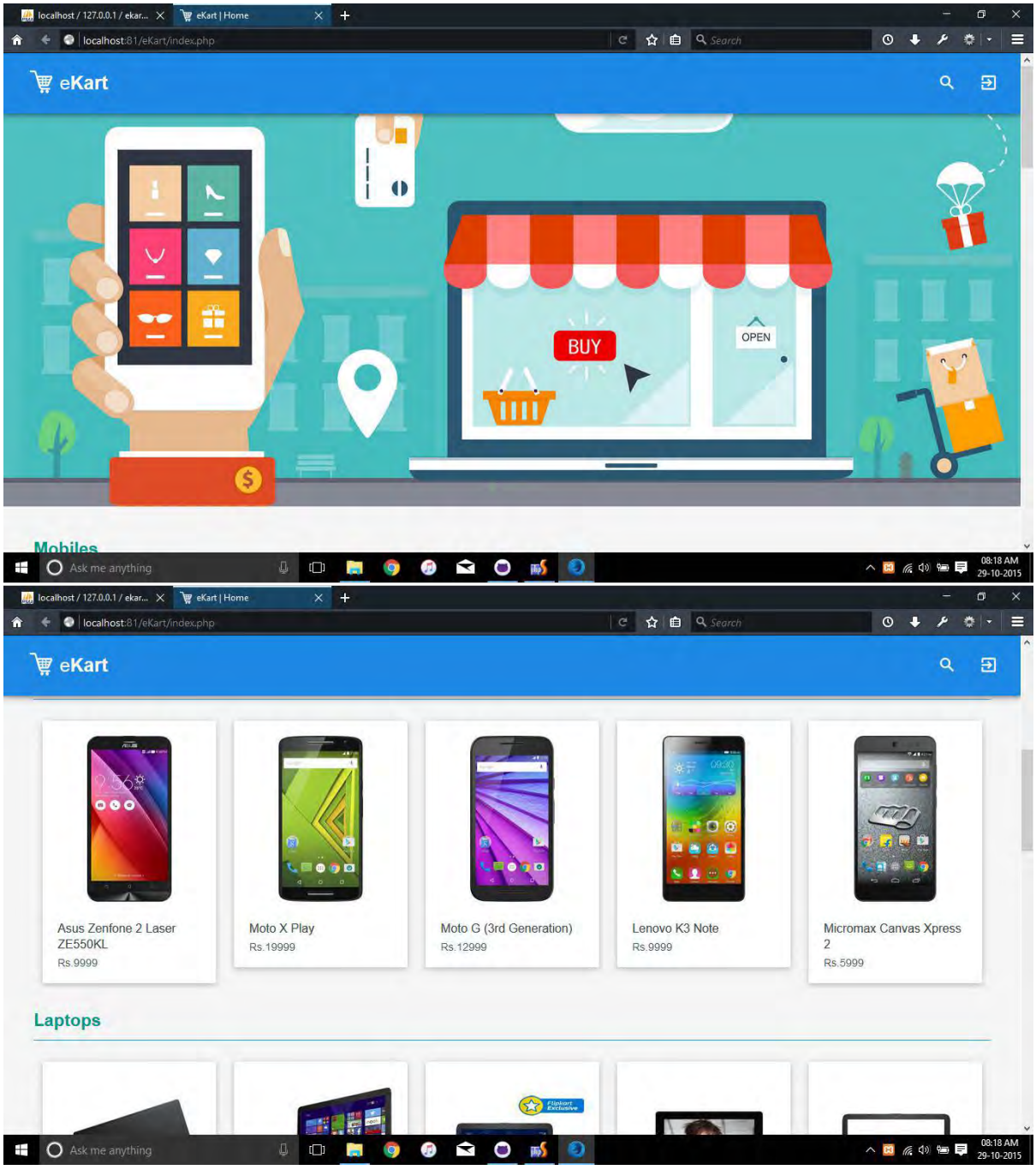
product. Once he click buy then a new purchase entry will be created which is related to solditems table. All the products that he bought will be added to solditems table with purchase entry id**.** And once all the products are added to solditems table cart will be emptied and will give the user a feedback that his order is placed.

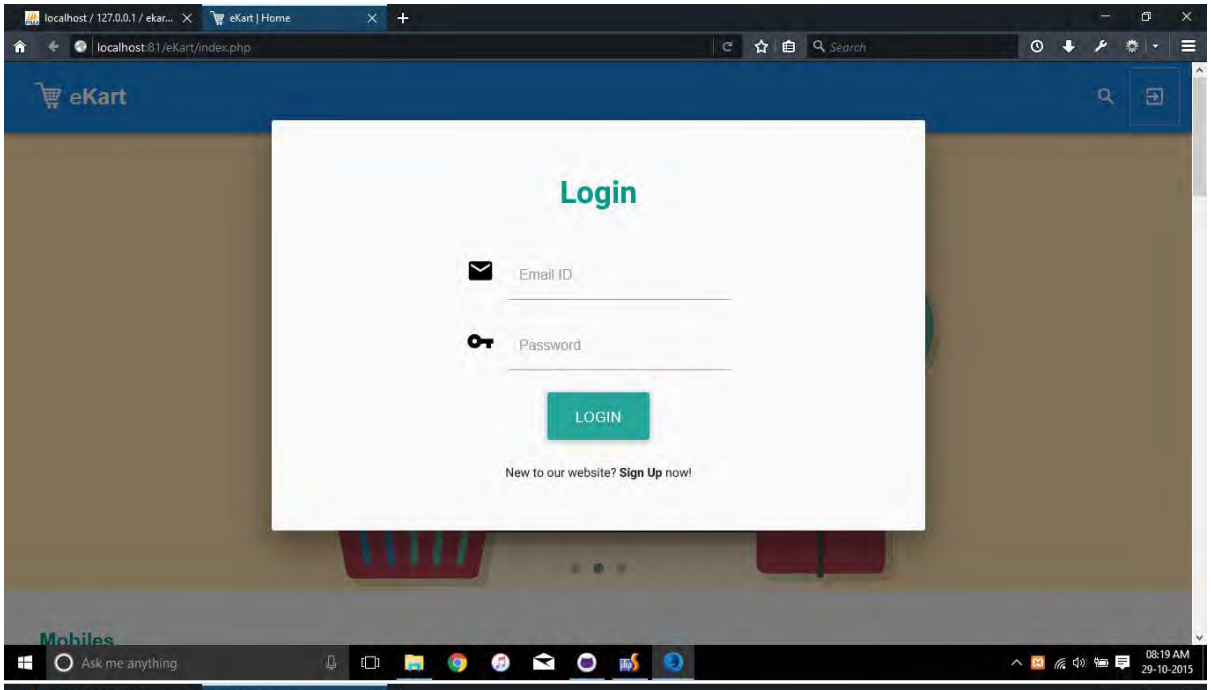
These are some of the important modules in the eKart project. This project can be extended with some more features like multiple addresses, User profile edit etc. to make it more convenient and flexible to user.

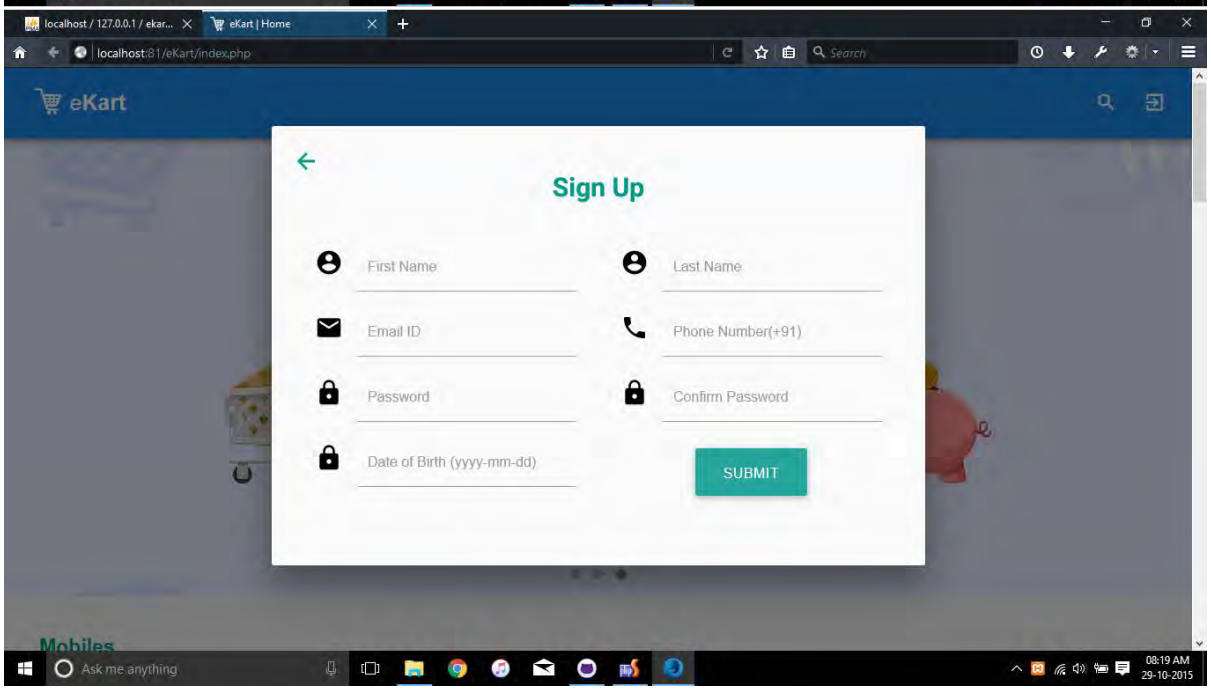
Languages Used:
Backend: PHP
Frontend: HTML5, CSS3, JavaScript, AJAX
Database: MySQL

Software's Used:
XAMPP (Stack),
phpMyAdmin (GUI for MySQL)
PhpStorm (IDE)
Git (VCS)

Screenshots




localhost / 127.0.0.1 / ekar...
eKart | Home
localhost:81/eKart/index.php
Search
eKart
Login
Email ID
Password
LOGIN
New to our website? Sign Up now!
Mobiles
Ask me anything
08:19 AM
29-10-2015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eKart | Home
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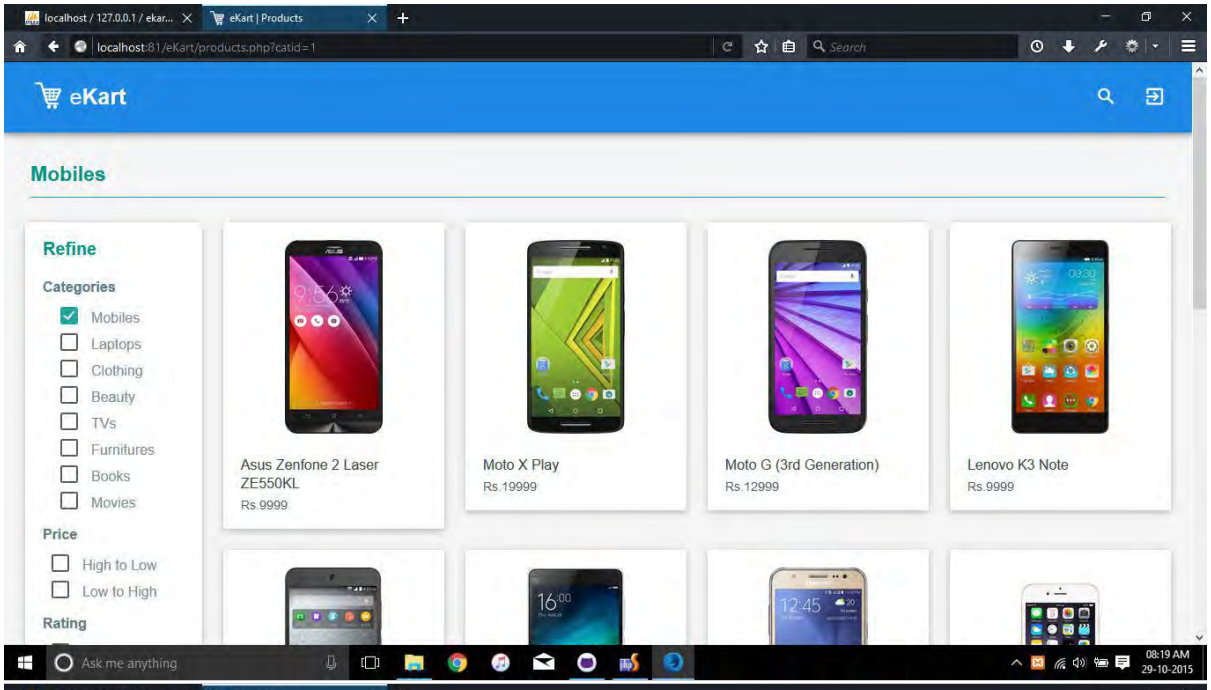
Search
eKart
Sign Up
First Name
Last Name
Email ID
Phone Number(+91)
Password
Confirm Password
Date of Birth (yyyy-mm-dd)
SUBMIT
Mobiles
Ask me anything
08:19 AM
29-10-2015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eKart | Products
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Search
eKart
Mobiles
Refine
Categories
Mobiles
Laptops
Clothing
Beauty
TVs
Furnitures
Books
Movies
Price
High to Low
Low to High
Rating
Asus Zenfone 2 Laser ZE550KL
Rs.9999
Moto X Play
Rs.19999
Moto G (3rd Generation)
Rs.12999
Lenovo K3 Note
Rs.9999
Ask me anything
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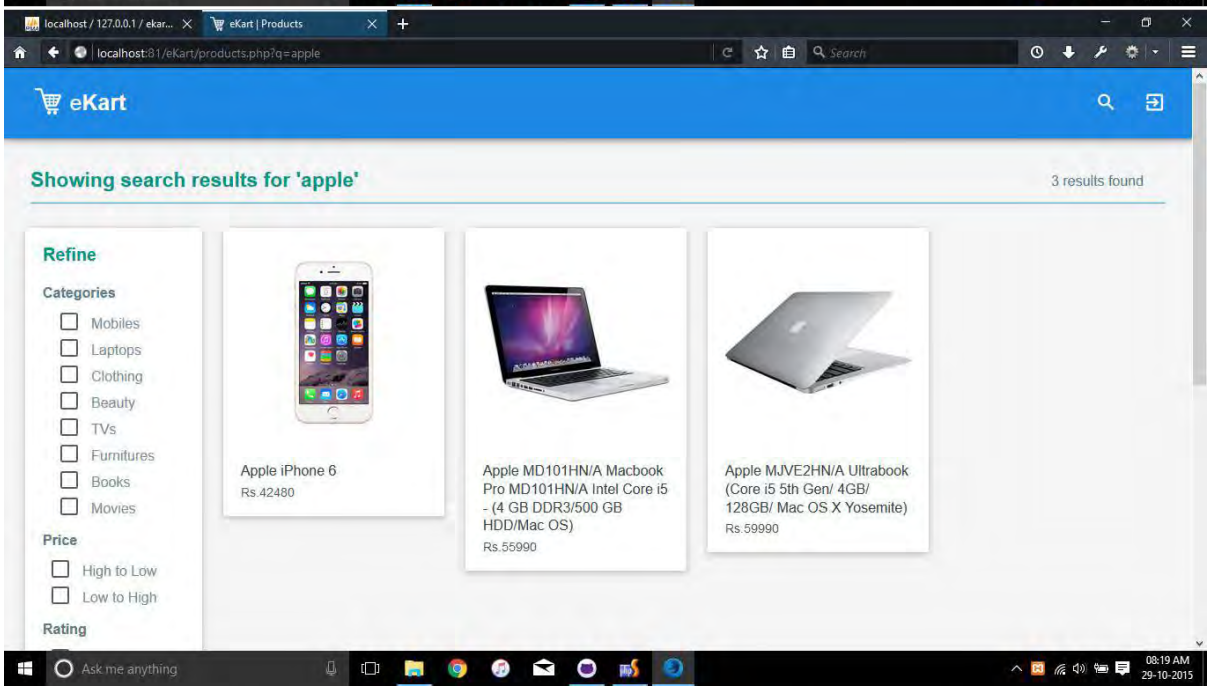
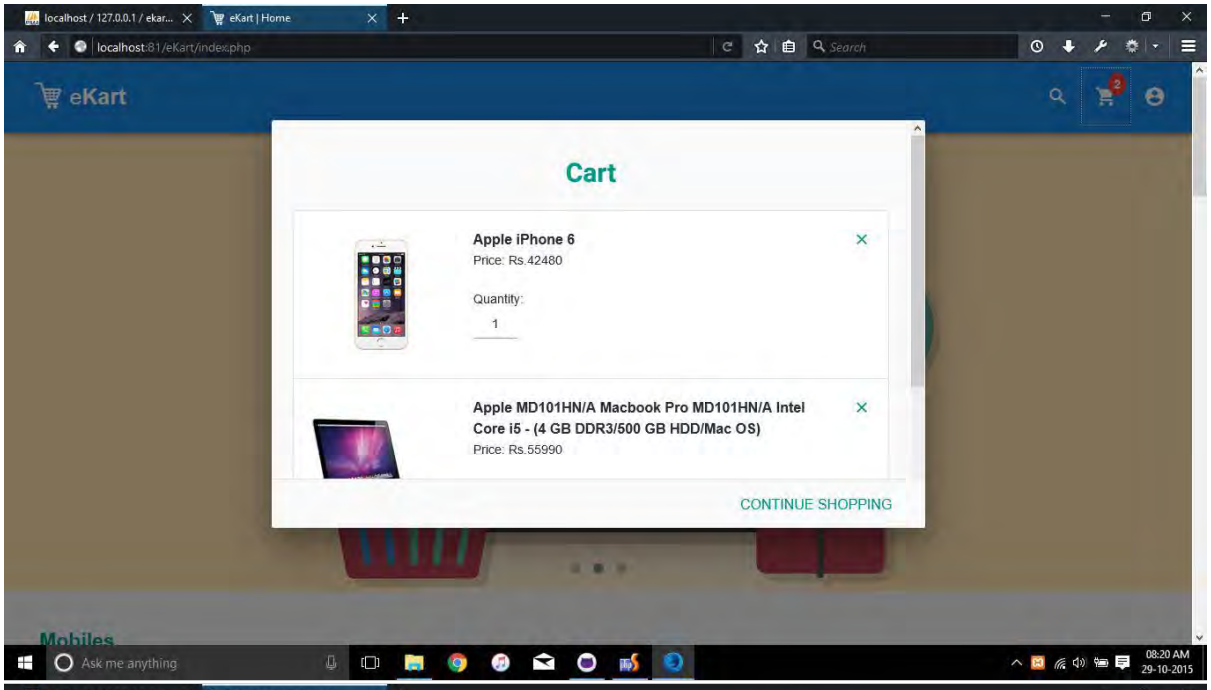
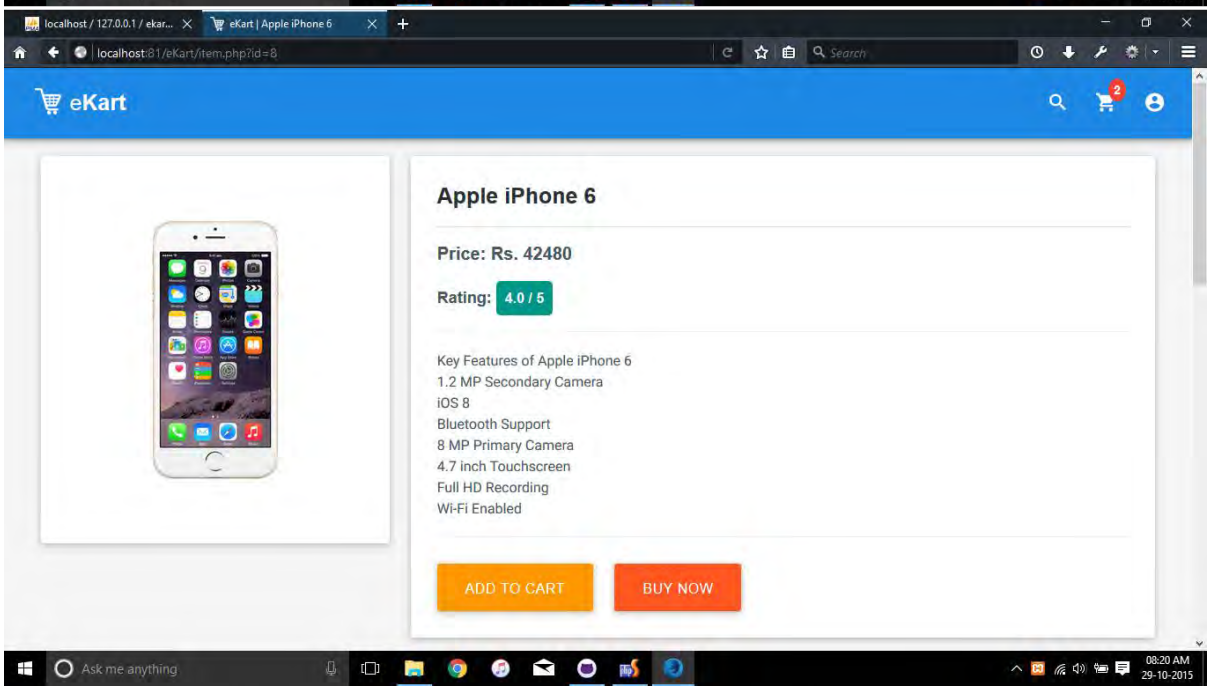

localhost / 127.0.0.1 / ekar...
eKart | Products
localhost:81/eKart/products.php?q=apple
Search
eKart
Showing search results for 'apple'
3 results found
Refine
Categories
Mobiles
Laptops
Clothing
Beauty
TVs
Furnitures
Books
Movies
Price
High to Low
Low to High
Rating
Apple iPhone 6
Rs.42480
Apple MD101HN/A Macbook Pro MD101HN/A Intel Core i5 - (4 GB DDR3/500 GB HDD/Mac OS)
Rs.55990
Apple MJVE2HN/A Ultrabook (Core i5 5th Gen/ 4GB/ 128GB/ Mac OS X Yosemite)
Rs.59990
Ask me anything
08:19 AM
29-10-2015


localhost / 127.0.0.1 / ekar...
eKart | Home
localhost:81/eKart/index.php
eKart
Cart
Apple iPhone 6
Price: Rs.42480
Quantity:
1
Apple MD101HN/A Macbook Pro MD101HN/A Intel Core i5 - (4 GB DDR3/500 GB HDD/Mac OS)
Price: Rs.55990
CONTINUE SHOPPING
Mobiles
Ask me anything
08:20 AM
29-10-2015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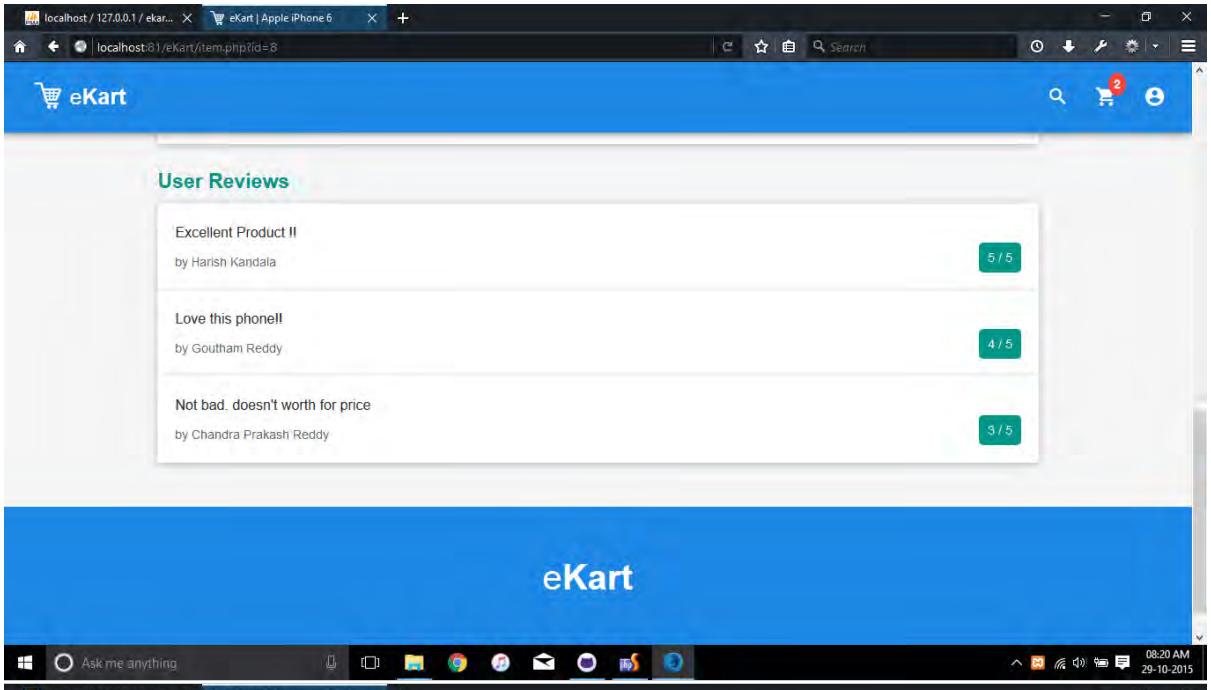
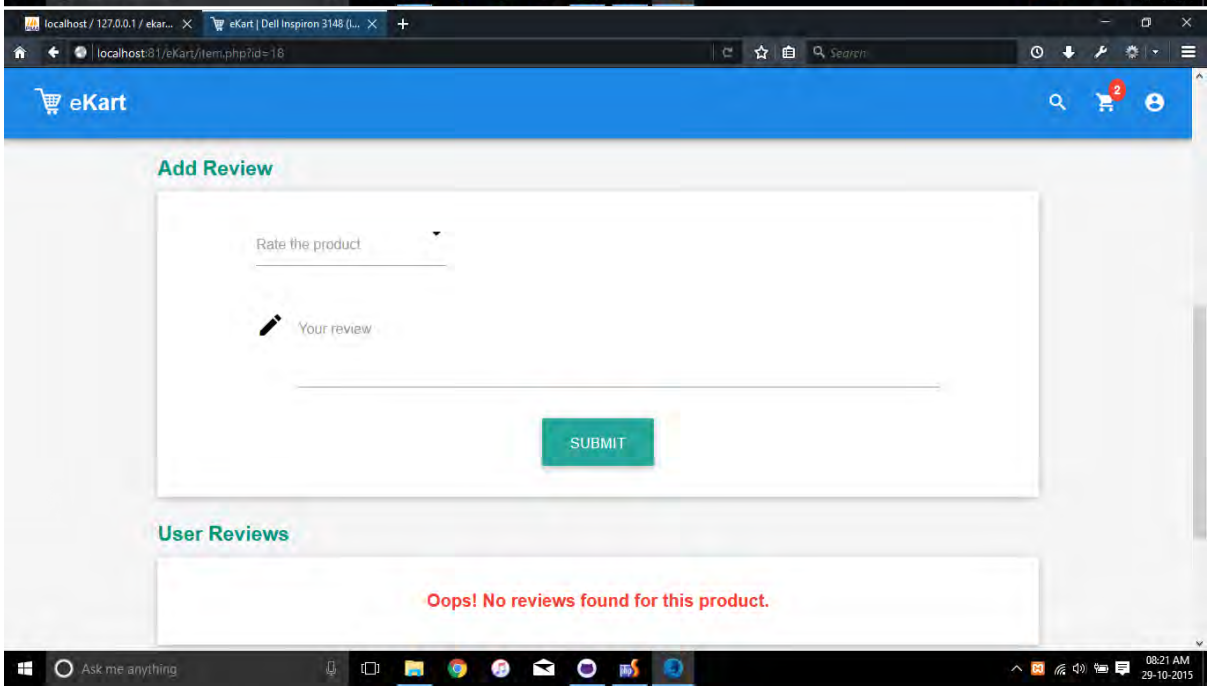
eKart | Apple iPhone 6
localhost:81/eKart/item.php?id=8
eKart
Apple iPhone 6
Price: Rs. 42480
Rating: 4.0 / 5
Key Features of Apple iPhone 6
1.2 MP Secondary Camera
iOS 8
Bluetooth Support
8 MP Primary Camera
4.7 inch Touchscreen
Full HD Recording
Wi-Fi Enabled
ADD TO CART
BUY NOW
Ask me anything
08:20 AM
29-10-2015


localhost / 127.0.0.1 / ekar...
eKart | Apple iPhone 6
localhost:81/eKart/item.php?id=8
eKart
User Reviews
Excellent Product !!
by Harish Kandala
5 / 5
Love this phone!!
by Goutham Reddy
4 / 5
Not bad. doesn't worth for price
by Chandra Prakash Reddy
3 / 5

eKart
Ask me anything
08:20 AM
29-10-2015


localhost / 127.0.0.1 / ekar...
eKart | Dell Inspiron 3148 (I...
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eKart
Add Review
Rate the product
Your review
SUBMIT
User Reviews
Oops! No reviews found for this product.
Ask me anything
08:21 AM
29-10-2015