

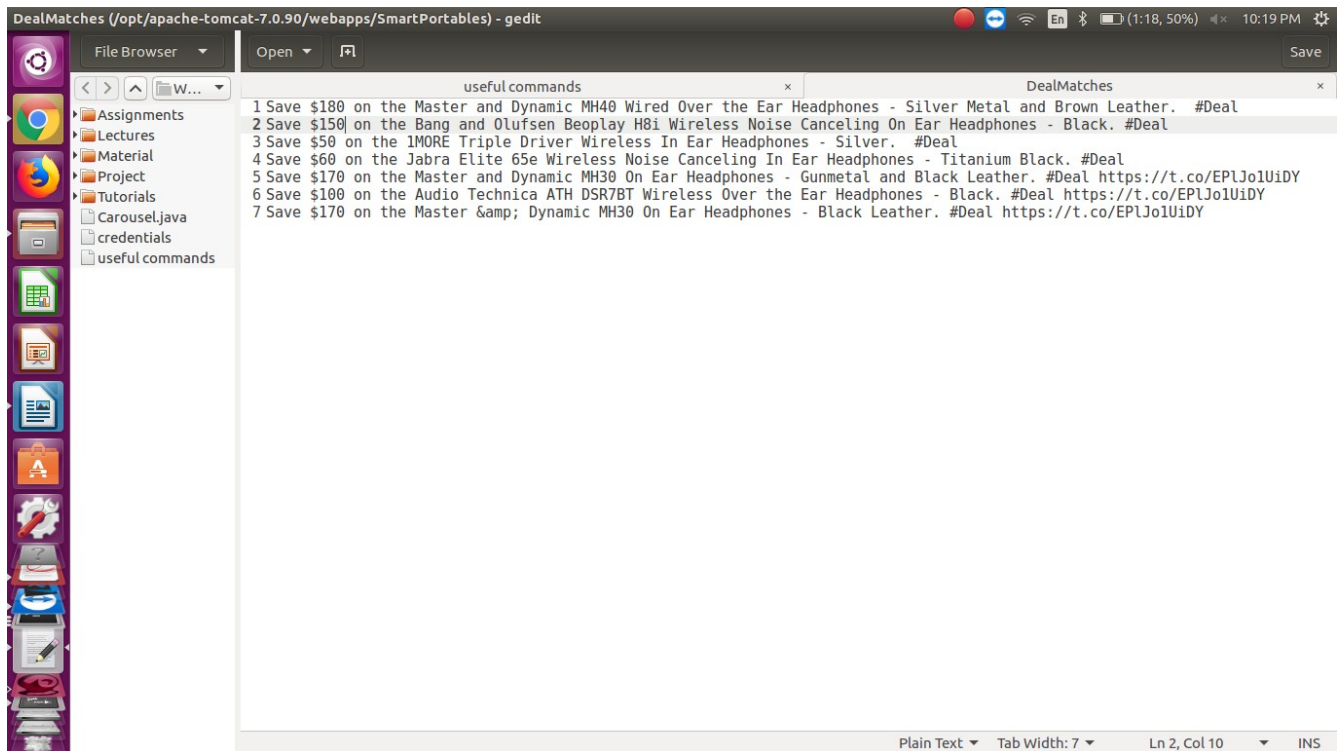
Assignment 5

Outputs

Bhagyashree Bagwe (A20399761)

Part 1: Deal Matcher Feature

A python script connects to TwitterAPI and generates a file named “DealMatches” which stores all the tweets regarding the products saved in applications database.



The screenshot shows a web browser window with the address bar displaying "DealMatches (/opt/apache-tomcat-7.0.90/webapps/SmartPortables) - gedit". The browser window has a sidebar on the left with a "File Browser" section containing a tree view of folders and files: "Assignments", "Lectures", "Material", "Project", "Tutorials", "Carousel.java", "credentials", and "useful commands". The main content area of the browser shows the contents of the "DealMatches" file, which is a list of 7 lines of text. Each line starts with a number (1-7) followed by a description of a product, its price, and a "#Deal" tag. The descriptions include product names like "Master and Dynamic MH40", "Bang and Olufsen Beoplay H8i", "1MORE Triple Driver", "Jabra Elite 65e", "Master and Dynamic MH30", and "Audio Technica ATH DSR7BT". The prices range from \$50 to \$180. The last line includes a URL "https://t.co/EPLJo1UiDY". The status bar at the bottom of the browser window shows "Plain Text", "Tab Width: 7", "Ln 2, Col 10", and "INS".

```
1 Save $180 on the Master and Dynamic MH40 Wired Over the Ear Headphones - Silver Metal and Brown Leather. #Deal
2 Save $150 on the Bang and Olufsen Beoplay H8i Wireless Noise Canceling On Ear Headphones - Black. #Deal
3 Save $50 on the 1MORE Triple Driver Wireless In Ear Headphones - Silver. #Deal
4 Save $60 on the Jabra Elite 65e Wireless Noise Canceling In Ear Headphones - Titanium Black. #Deal
5 Save $170 on the Master and Dynamic MH30 On Ear Headphones - Gunmetal and Black Leather. #Deal https://t.co/EPLJo1UiDY
6 Save $100 on the Audio Technica ATH DSR7BT Wireless Over the Ear Headphones - Black. #Deal https://t.co/EPLJo1UiDY
7 Save $170 on the Master & Dynamic MH30 On Ear Headphones - Black Leather. #Deal https://t.co/EPLJo1UiDY
```

mysql> select * from Productdetails;

ProductType	Id	productRebate	productName	productPrice	productImage	productManufacturer	productCondition	pro
laptops	15	acer	Acer	800.99	Acer.jpg	Acer	Y	
accessories	0	adapter	Adapter	19.99	Adapter.jpg	Apple	N	
voiceAssistants	5	amazon1	Amazon Alexa	50.99	AmazonAlexa.jpg	Amazon	Y	
voiceAssistants	25	amazon2	Amazon Echo	150.56	AmazonEcho.jpg	Amazon	Y	
voiceAssistants	13	amazon3	Amazon Echo Link	350.99	AmazonEchoLink.jpg	Amazon	N	
voiceAssistants	0	amazon4	Amazon Echo Spot	452.99	AmazonEchoSpot.jpg	Amazon	Y	
voiceAssistants	14	apple	Apple Home Pod	50.99	ApplePod.jpg	Apple	Y	
phones	10	asus	ASUS	189.99	ASUS.jpg	Asus	N	
laptops	11	asus2	ASUS2	750.99	Asus.png	ASUS	N	
accessories	0	audiocable	Audio Cable	25	Audio cable.jpg	Geremy	Y	
phones	0	blackberry	Blackberry	89.99	Blackberry.jpg	Blackberry	Y	
wearables	10	Card Tracker	Card Tracker	249.99	Card Tracker.jpg	Garmin	N	
accessories	10	chargingpad	Wireless Charging Pad	40	Charging Pad.jpg	Amazon	N	
laptops	15	dell	Dell	666.09	Dell.jpg	Dell	N	
wearables	10	Fitbit	Pet Tracker	249.99	Fitbit.jpg	Fitbit	N	
wearables	10	Fitness Watch	Fitness Watch	149.99	Fitness watch.jpg	Samsung	Y	
accessories	11	flashdrive	USB Flash Drive	15	Flash drive.jpg	SanDisk	Y	
voiceAssistants	6	garmin	Garmin	54.99	Garmin.jpg	Garmin	Y	

When the application loads, it selects any two tweets from the DealMatches file and displays then on the home page of the website as shown in below screen shot.

Smart Portables - Google Chrome

Smart Portables x

localhost:8080/SmartPortables/Home

Smart Portables

World's Largest Online Electronic Store

Search Product:
search here..

Home Wearable Technology Phones Laptops Voice Assistants Accessories

ViewOrder Hello,User1 Account Logout Cart(0)

Shop by Categories

- Trending
- Wearable Technology
- Phone
- Laptop
- Voice Assistant

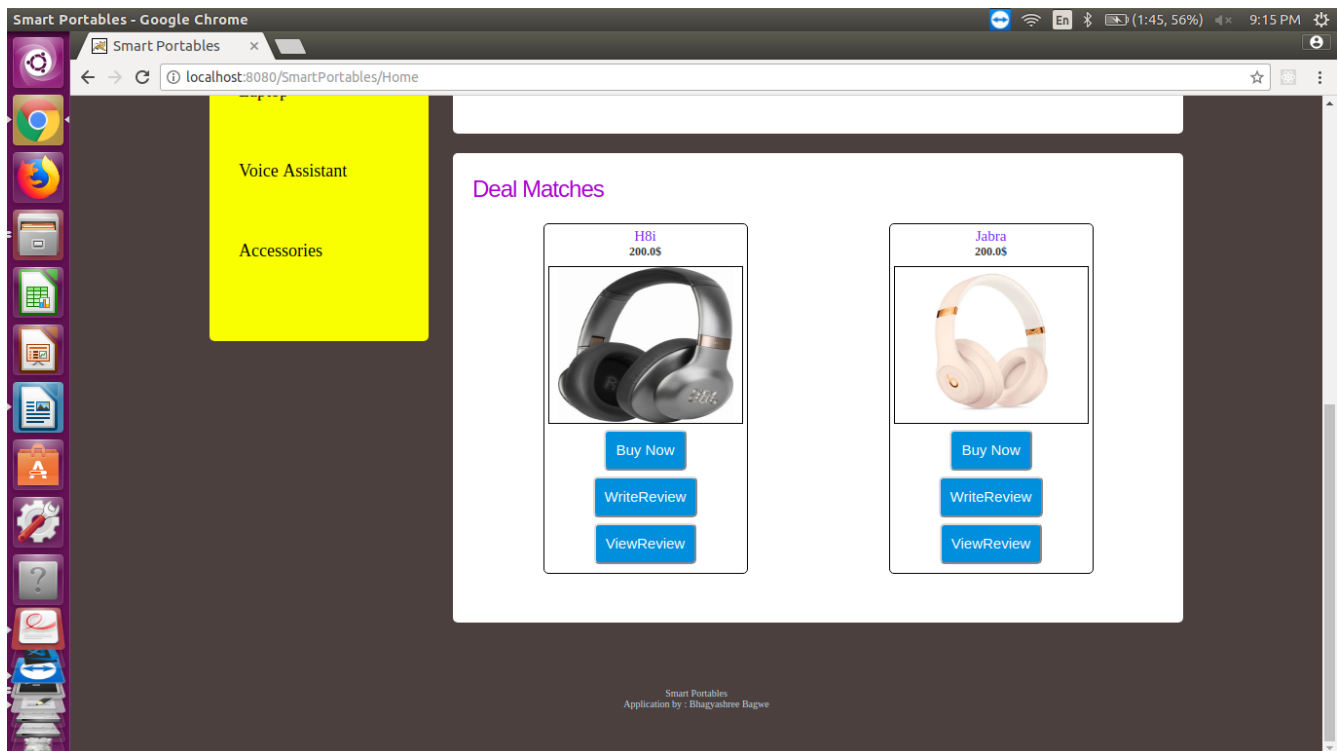
Welcome to Smart Portables

Today's hot deals!

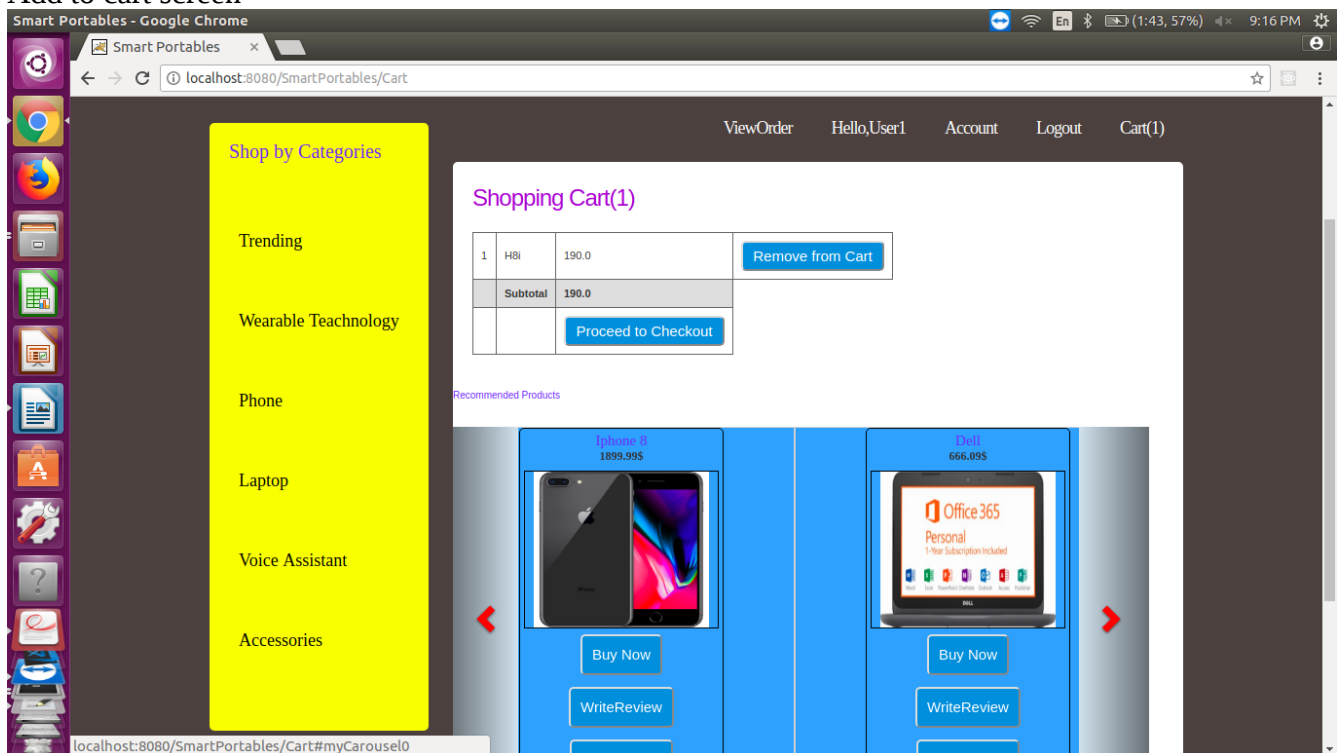
Save \$60 on the Jabra Elite 65e Wireless Noise Canceling In Ear Headphones - Titanium Black. #Deal

Save \$150 on the Bang and Olufsen Beoplay H8i Wireless Noise Canceling On Ear Headphones - Black. #Deal

It also displays the information from the applications database about those products and provides links to add that product to cart, write a review about it and read existing reviews about it.



Add to cart screen



Write review screen

Smart Portables - Google Chrome

Smart Portables x

localhost:8080/SmartPortables/WriteReview

Shop by Categories

- Trending
- Wearable Teachnology
- Phone
- Laptop
- Voice Assistant
- Accessories

Review

Product Name:	H8i
Product Type:	wearables
Product Maker:	JBL

Review Rating:

Review Date:

Retailer Name:

Retailer Zip:

Retailer City:

Retailer State:

Product on sale:

Manufacturer Name:

Manufacturer Rebate:

User ID:

User Age:

User Gender:

User Occupation:

Review Text:

[SubmitReview](#)

View review screen

Smart Portables - Google Chrome

Smart Portables x

localhost:8080/SmartPortables/ViewReview

Smart Portables

World's Largest Online Electronic Store

Search Product:

[Home](#) [Wearable](#) [Technology](#) [Phones](#) [Laptops](#) [Voice](#) [Assistants](#) [Accessories](#)

[ViewOrder](#) [Hello,User1](#) [Account](#) [Logout](#) [Cart\(1\)](#)

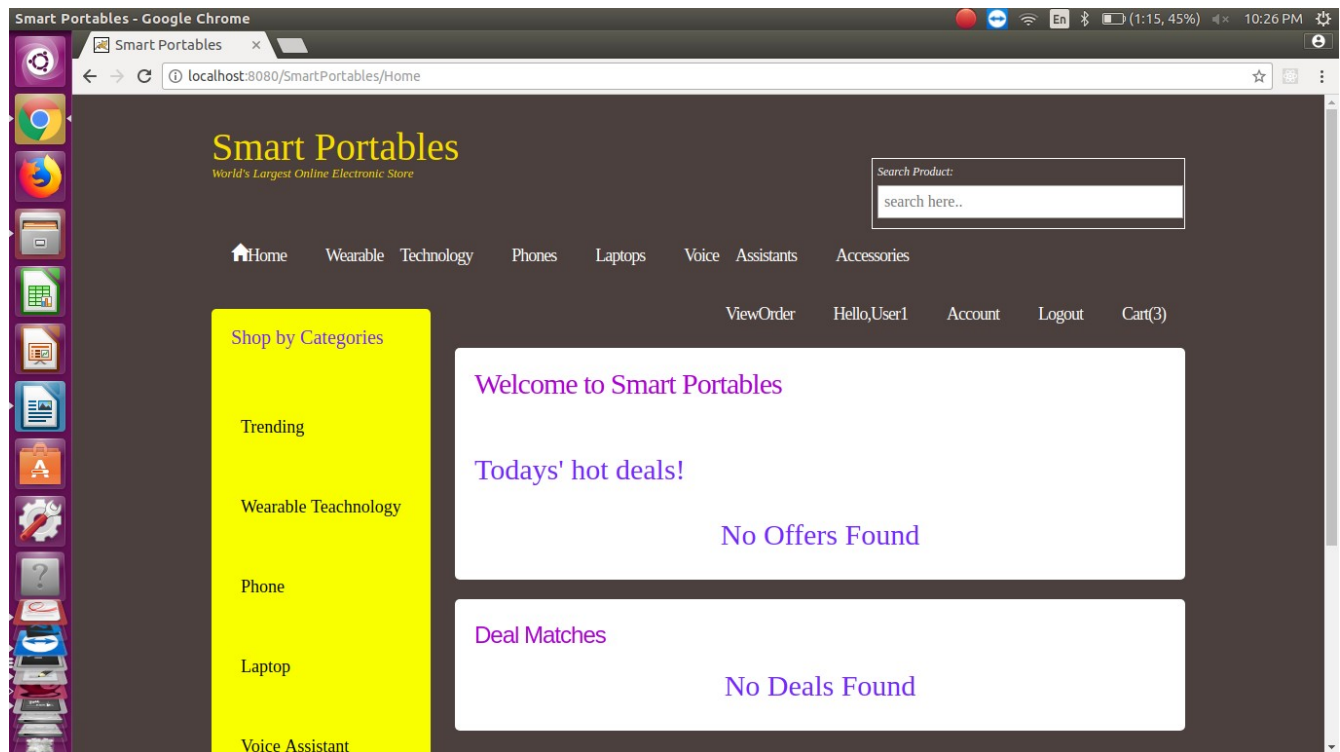
Shop by Categories

- Trending
- Wearable Teachnology
- Phone
- Laptop
- Voice Assistant

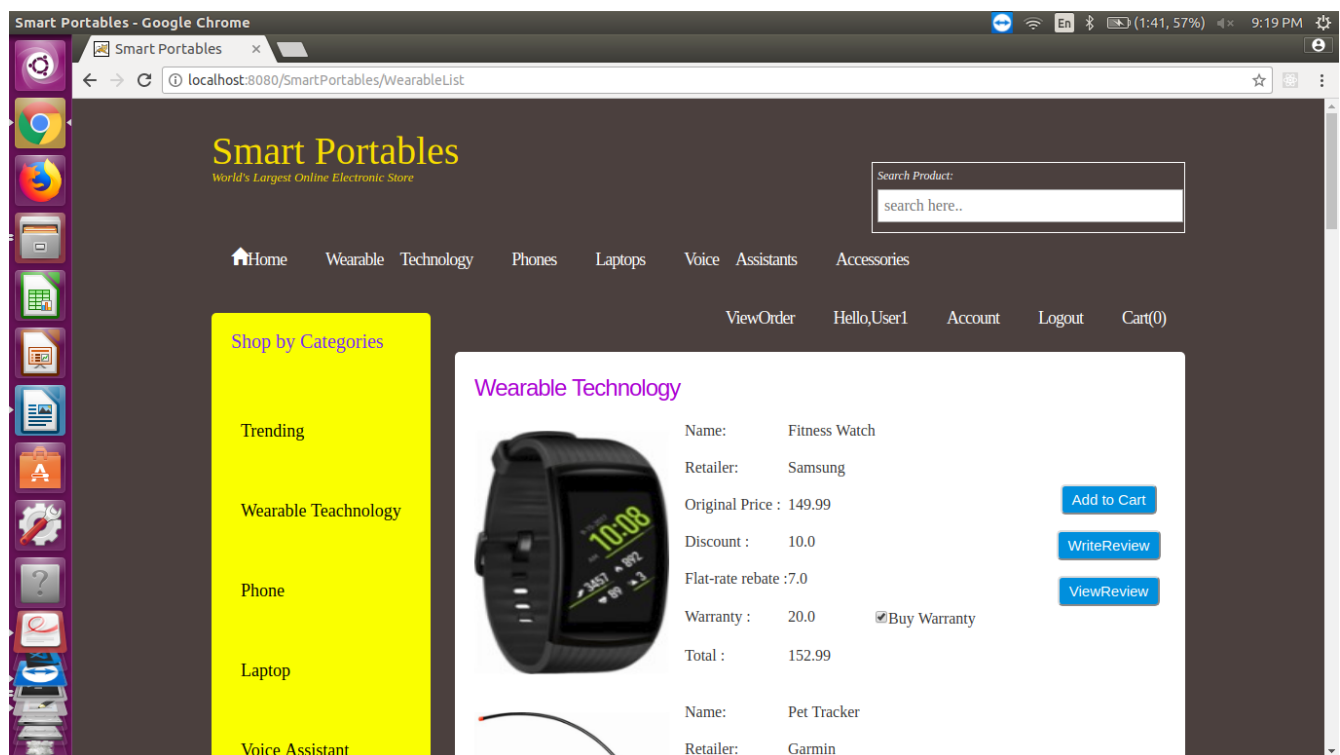
Review

There are no reviews for this product.

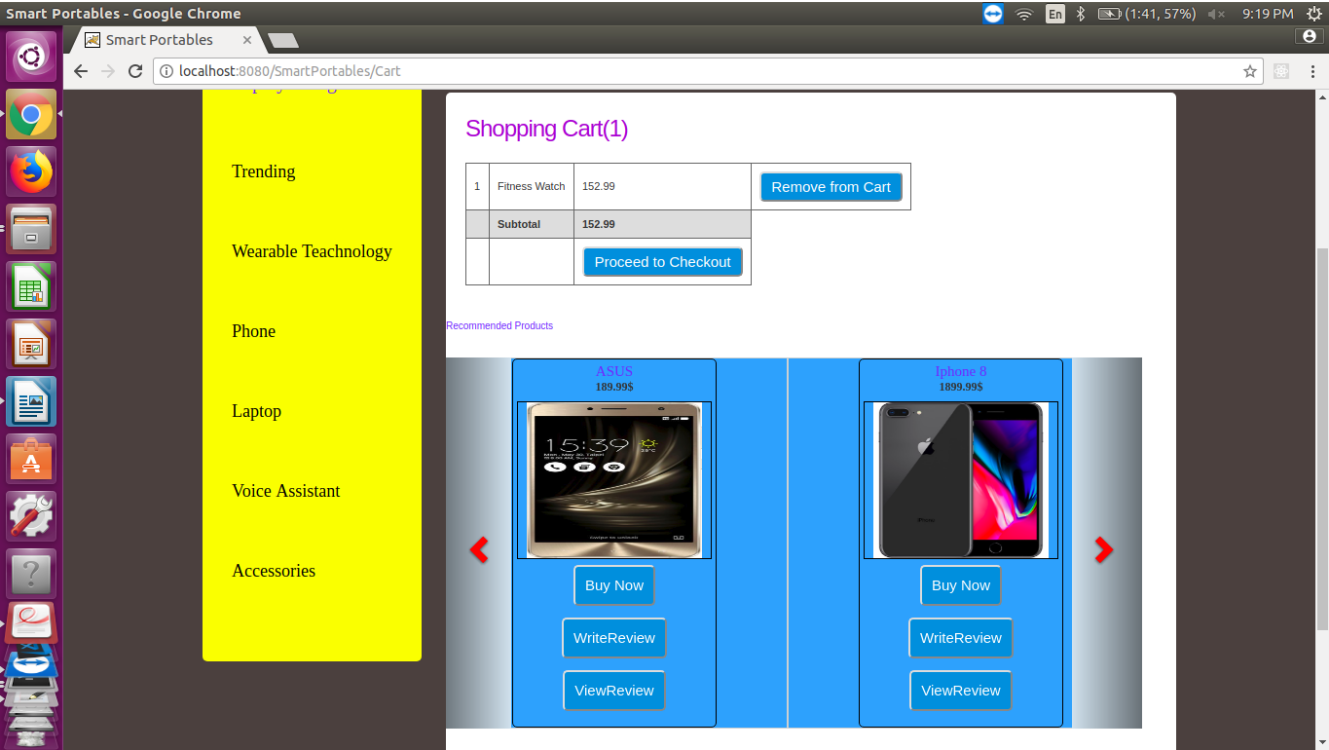
If no deals are present below screen will be shown:



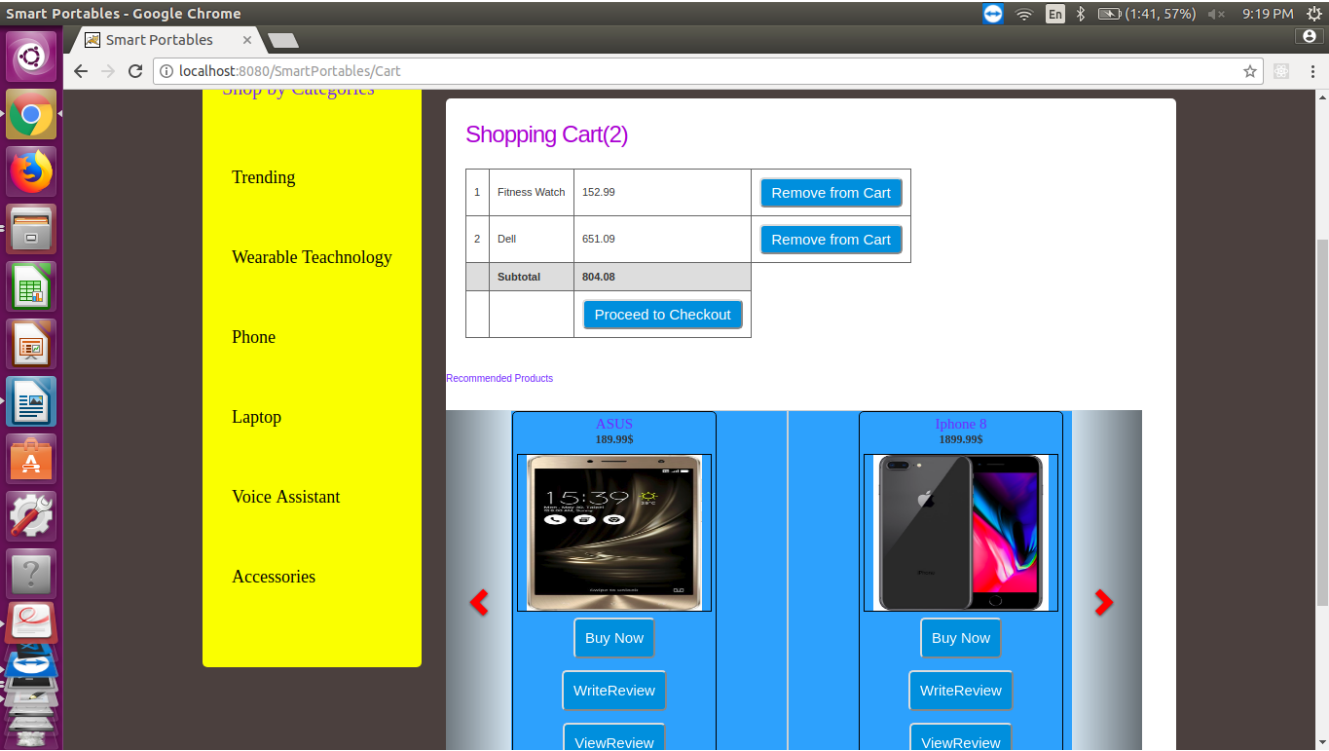
Part 1: Recommender Feature



Recommended products for user1 are shown below the cart in a carousel as shown in below screen shot:



Buy Now screen



Write review screen

The screenshot shows the 'Write Review' page in a web browser. The browser's address bar displays 'localhost:8080/SmartPortables/WriteReview'. The page has a dark grey header with navigation links: 'ViewOrder', 'Hello, User1', 'Account', 'Logout', and 'Cart(2)'. On the left, a yellow sidebar titled 'Shop by Categories' lists: 'Trending', 'Wearable Teachnology', 'Phone', 'Laptop', 'Voice Assistant', and 'Accessories'. The main content area is titled 'Review' in purple. It contains a form with the following fields: 'Product Name' (filled with 'dell'), 'Product Type' (filled with 'laptops'), 'Product Maker' (filled with 'laptops'), 'Review Rating' (a dropdown menu showing '1'), 'Review Date' (a date picker showing 'mm/dd/yyyy'), 'Retailer Name', 'Retailer Zip', 'Retailer City', 'Retailer State', 'Product on sale', 'Manufacturer Name', 'Manufacturer Rebate', 'User ID', 'User Age', 'User Gender', and 'User Occupation'. Below these fields is a large text area for 'Review Text' and a blue 'SubmitReview' button.

View Review screen

The screenshot shows the 'View Review' page in a web browser. The browser's address bar displays 'localhost:8080/SmartPortables/ViewReview'. The page has a dark grey header with navigation links: 'Home', 'Wearable', 'Technology', 'Phones', 'Laptops', 'Voice Assistants', 'Accessories', 'ViewOrder', 'Hello, User1', 'Account', 'Logout', and 'Cart(2)'. On the left, a yellow sidebar titled 'Shop by Categories' lists: 'Trending', 'Wearable Teachnology', 'Phone', 'Laptop', and 'Voice Assistant'. The main content area is titled 'Review' in purple. Below the title, a white box contains the text 'There are no reviews for this product.' in purple. At the top right of the main content area, there is a search bar with the placeholder text 'Search Product: search here..'