

# UniCart

CSE686: Internet Programming (Spring 2018)

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# Features and Components

In this section we have described the pages we have worked on and have also described the features of the page and unique approaches employed in the page.

## 1. Registration page

**Done by:** [Avi Singhal \(947393120\)](#), [Vishnu Prasad Vishwanathan \(793782749\)](#)

**Functionality:** registration form allows the user to sign-up on the website. All the important details are taken in this form. Given below is the list of data collected during registration:

- ☐ email
- ☐ name
- ☐ phone
- address – street, apartment, city, state, country and zip code
- ☐ PayPal id
- password – it is stored in encoded format
- ☐ user image

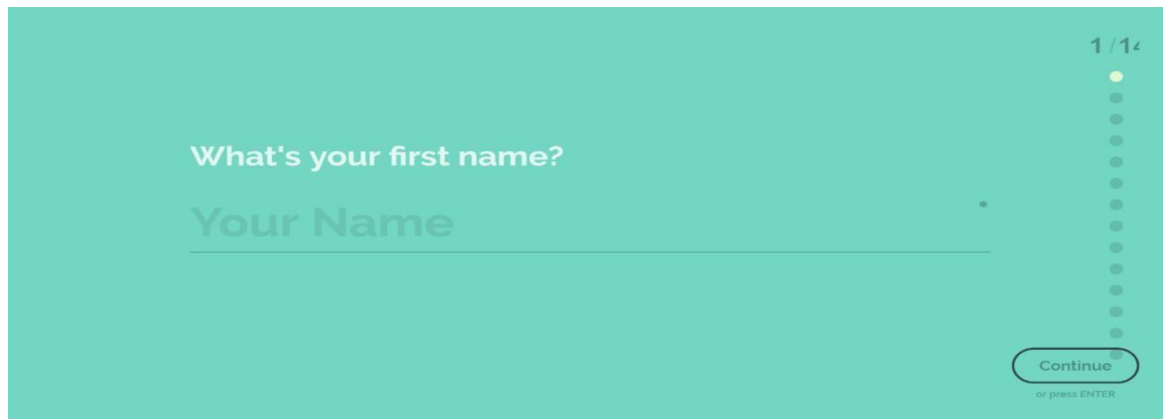
All the above fields are mandatory and are used in various modules of our website. PayPal id is used during the payment procedure. Zip code and address details are used in location module. Registration has a review step which allows user to recheck all the details he has entered. Also, form is validated to check if all inputs are given and if emails are in correct format. After successful registration user is redirected to login page

### Technologies used

- ☐ HTML- for form creation
- ☐ CSS- design the form
- ☐ PHP- to process the form data
- ☐ MYSQL- to store user data

### Important functions used

- ☐ `move_uploaded_files()`
- ☐ `password_hash()`



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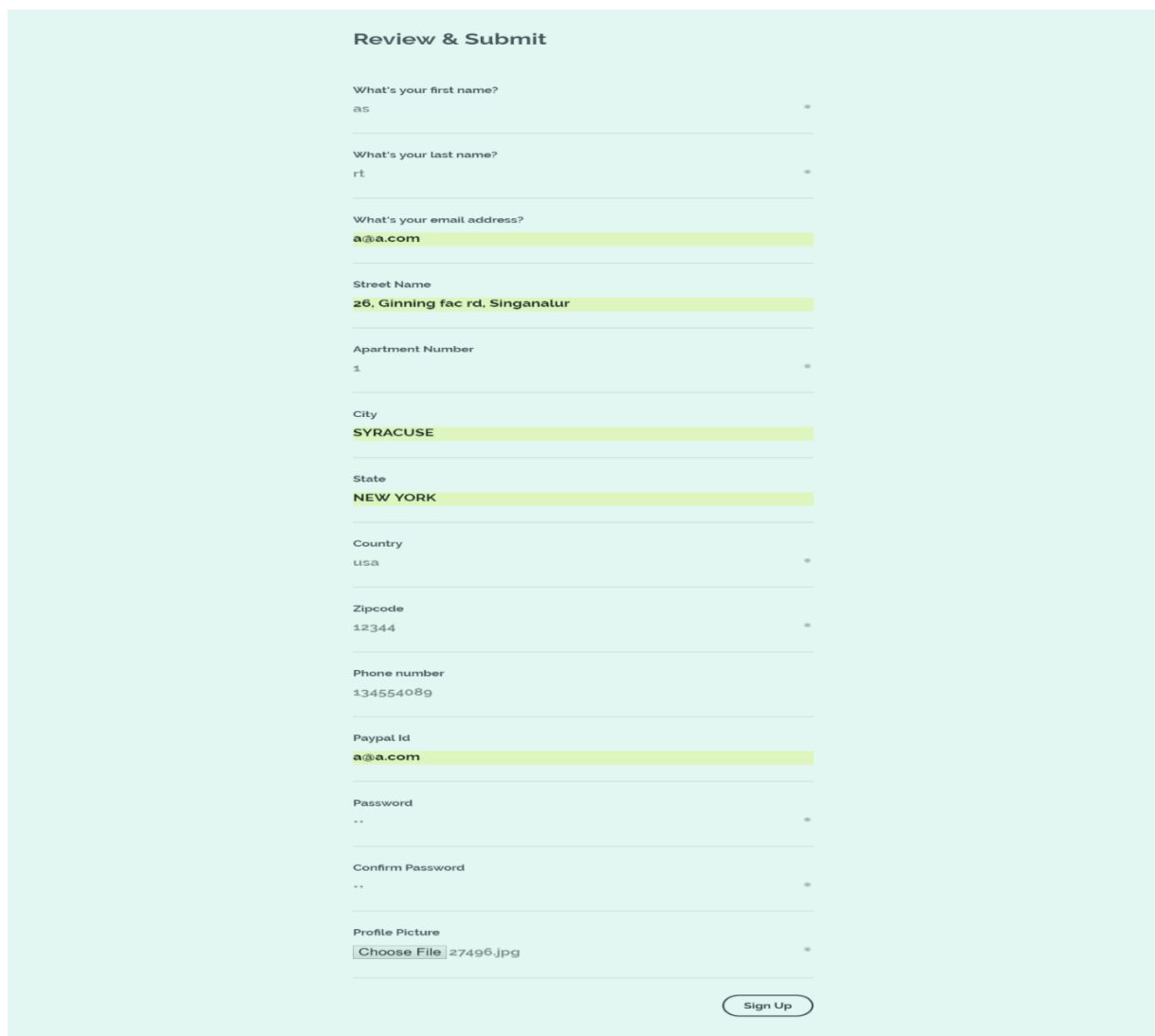
What's your first name?

Your Name

Continue

or press ENTER

This is the first step of a 14-step registration process. The page has a teal background. A vertical progress bar on the right shows 14 dots, with the first dot highlighted in yellow. The main text asks for the first name, with a placeholder 'Your Name' and a small asterisk indicating a required field. A 'Continue' button is at the bottom right, with a note 'or press ENTER'.

*Figure 4: Registration Page 1*

Review & Submit

What's your first name?  
as \*

What's your last name?  
rt \*

What's your email address?  
a@a.com

Street Name  
26, Ginning fac rd, Singanatur

Apartment Number  
1 \*

City  
SYRACUSE

State  
NEW YORK

Country  
USA \*

Zipcode  
12344 \*

Phone number  
134554089

Paypal Id  
a@a.com

Password  
.. \*

Confirm Password  
.. \*

Profile Picture  
Choose File 27496.jpg \*

Sign Up

This is the second step of the registration process, titled 'Review & Submit'. It lists all the information entered in the previous step, with asterisks indicating required fields. The fields are: first name (as), last name (rt), email address (a@a.com), street name (26, Ginning fac rd, Singanatur), apartment number (1), city (SYRACUSE), state (NEW YORK), country (USA), zipcode (12344), phone number (134554089), paypal id (a@a.com), password (..), confirm password (..), and profile picture (Choose File 27496.jpg). A 'Sign Up' button is at the bottom right.

*Figure 5: Registration Page 2*

## 2. Login page

Done by: **Avi Singhal (947393120), Vishnu Prasad Vishwanathan (793782749)**

**Functionality:** login form carries out the user authentication process. it takes email and password as input and validates it with database values. If user is authentic he is sent to profile page else, he is redirected to home page. Login page does two important tasks, one is storing the userid in session so that certain website content can be restricted to logged in users and storing a session variable called “in” that helps to change the menu bar for logged in users

### Technologies used

- ☐ HTML- for form creation
- ☐ CSS- design the form
- ☐ PHP- to process the form data
- ☐ MYSQL- to store user data

### Important functions used

`password_verify()`

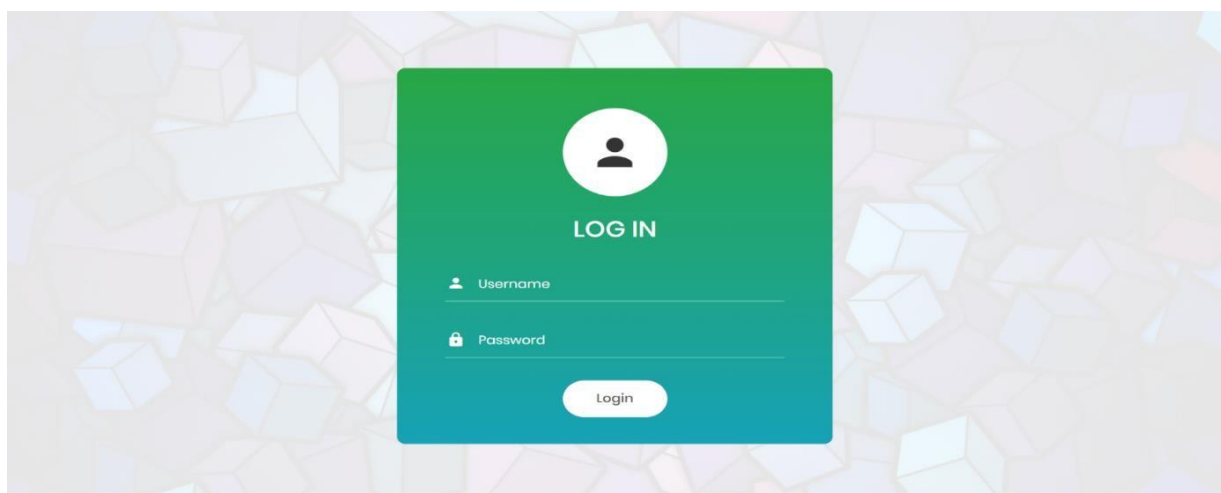


Figure 6: Login Page 1

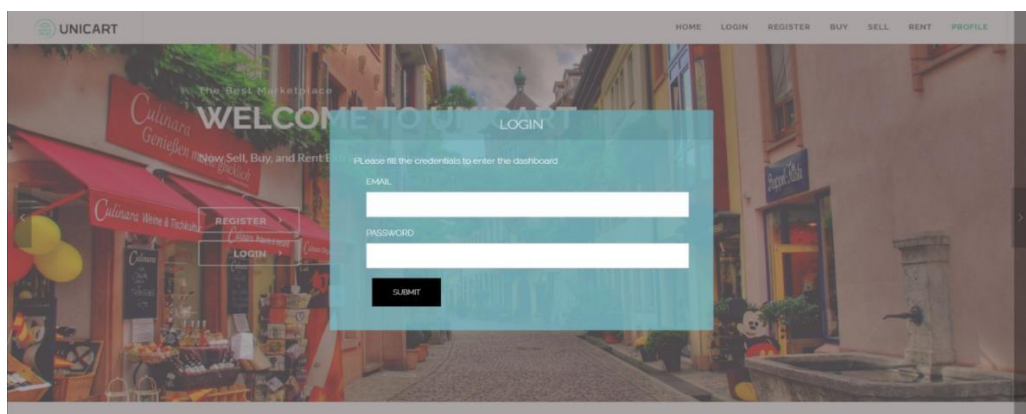


Figure 7: Login Page 2

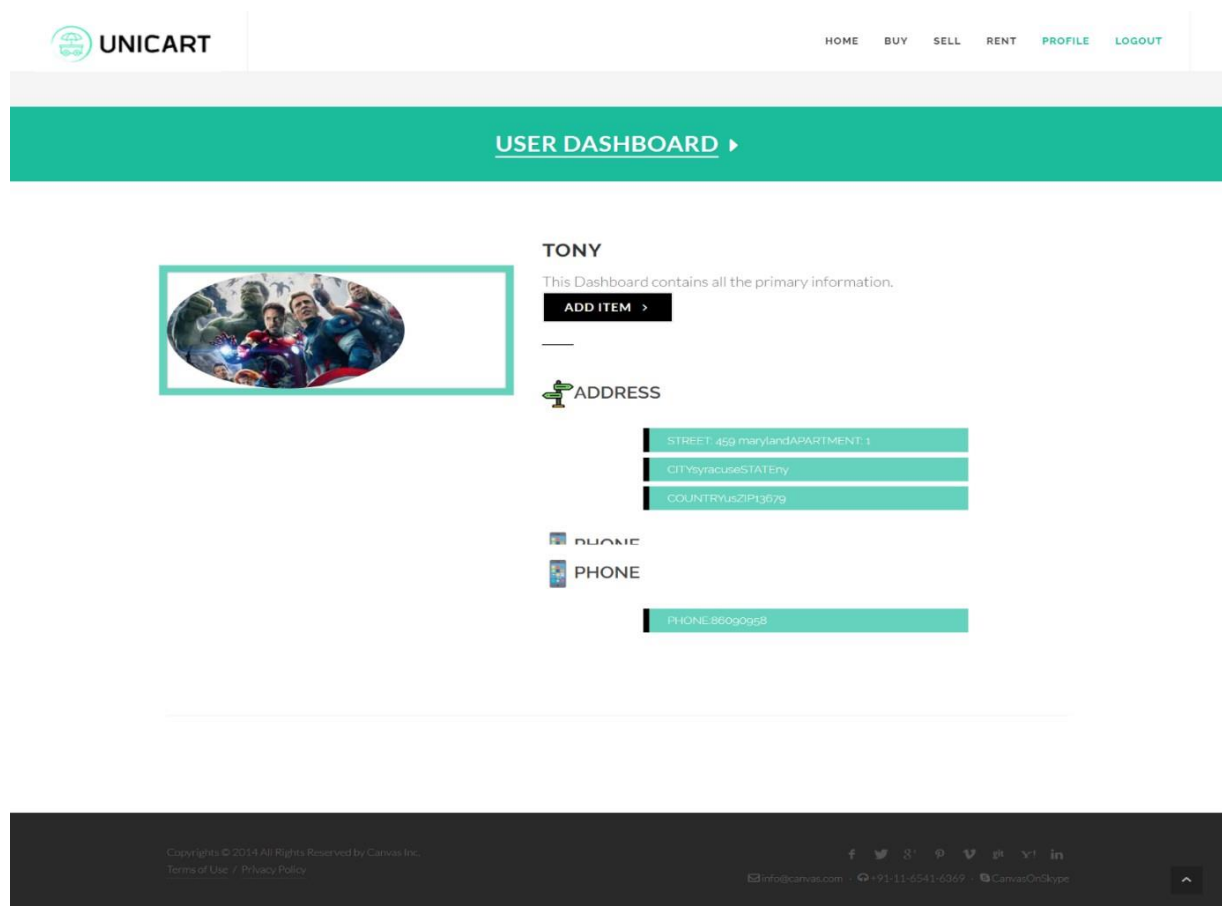
### 3. Profile page

Done by: **Avi Singhal (947393120), Vishnu Prasad Vishwanathan (793782749)**

**Functionality:** This page shows all the details of user like email, phone, address and also profile picture. Profile page checks for the session of user login, i.e. if user is not logged in the page redirects the user to login page. Profile page then checks if the session for userid is set then it queries the database and retrieves all the data of one user. It also has an add item button which takes user to add item form.

#### Technologies used

- ☐ HTML- for form creation
- ☐ CSS- design the form
- ☐ PHP- to get data from database
- ☐ MYSQL- to store user data



The screenshot shows the UniCart User Dashboard. At the top, there is a navigation bar with links: HOME, BUY, SELL, RENT, PROFILE (highlighted), and LOGOUT. Below the navigation bar is a green header with the text "USER DASHBOARD ▶".

The main content area displays the user's profile for "TONY". It includes a profile picture placeholder showing a group of people. To the right of the picture, the text "TONY" is displayed, followed by "This Dashboard contains all the primary information." and an "ADD ITEM >" button.

Below the profile picture, there is a section for "ADDRESS" with a location pin icon. The address details are shown in a list:
 

- STREET: 459 maryland
- APARTMENT: 1
- CITY: Syracuse
- STATE: Ny
- COUNTRY: us
- ZIP: 13679

Below the address section, there is a section for "PHONE" with a phone icon. The phone number is displayed as:
 

- PHONE: 86090958

At the bottom of the page, there is a dark footer containing copyright information: "Copyrights © 2014 All Rights Reserved by Canvas Inc. Terms of Use / Privacy Policy". On the right side of the footer, there are social media icons for Facebook, Twitter, Google+, YouTube, and LinkedIn, along with contact information: "info@canvas.com", "+91-11-6541-6369", and "CanvasOnKype".

Figure 8: Profile Page

### 4. Logout

Done by: **Avi Singhal (947393120), Vishnu Prasad Vishwanathan (793782749)**

**Functionality:** This is a PHP script that destroys the session of current logged in user and then redirects him to homepage. Calling session destroy function destroys all the session variables that we set at login

### Technologies used

- ☐ PHP- to destroy session

### Important functions used

`session_destroy()`

## 5. Add Item page

**Done by:** Avi Singhal (947393120), Vishnu Prasad Vishwanathan (793782749)

**Functionality:** This form allows the logged in user to add a new item as either bid/rent or sell. Once the item is successfully added it shows on the home page and the type specific pages of this item. Certain fields are to be taken in this form

- ☐ item name
- ☐ item description- describing the commodity condition
- ☐ item price
- 4 item type – rent/sell/bid
- ☐ 5 item image

Add item is only available for registered users and once the item is successfully sold, rented or bid upon it gets removed from the common pool. Add item form gives us a facility to review before submission for double check. On successful submission it takes user to its dashboard

### Technologies used

- ☐ HTML- for form creation
- ☐ CSS- design the form
- ☐ PHP- to process the form data
- ☐ MYSQL- to store user data

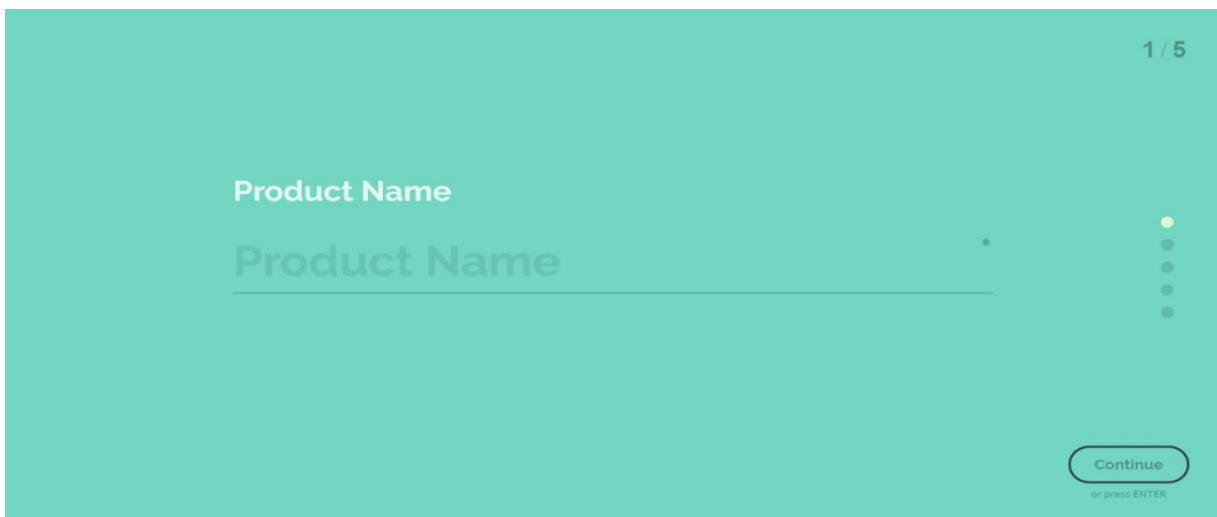


Figure 9: Add Item page 1

**Review & Submit**

Product Name  
apples

Product Description  
I bought them a day ago

What's the Product Type

☒ Sell ☐ Bid ☐ Rent

Product Price  
\$ 20

Product Image  
Choose File apple.jpg

Add Item

Figure 10: Add Item page 2

## 6. Home page

Done by: **Avi Singhal (947393120), Vishnu Prasad Vishwanathan (793782749)**

Homepage has many sections which carry out certain important tasks.

### 1. Modal Login form

This launches a modal window which has a login form embedded in it. A modal window is a part of user friendly interface as it doesn't refresh the page or opens a new tab, instead it overlays the current page and carries out its processing. This way user can still be on same page. Login modal allows user to quickly enter his dashboard as he wants without navigating to different pages. We have used a button which when clicked launches the modal login form. This window is dynamically movable and moves as the page is scrolled down.

### Technologies used

- ☐ HTML- for form creation
- ☐ CSS- design the form
- ☐ PHP- to process the form data
- ☐ JAVASCRIPT- to launch the window.
- ☐ MYSQL- to store user data

### Important functions used

- ☐ Button on click event
- ☐ onclick event

## 2. Circular Navigation

**Done by:** Avi Singhal (947393120), Vishnu Prasad Vishwanathan (793782749)

These are three UI Enhancement elements given which when hovered shows the content inside. Such elements are used by the site to inspire user interaction. They make site look appealing and thus promotes user interest. Animations allow users to explore more and helps in rendering the informational content in such a way that user spend more time on site.

### Technologies used

- ☐ HTML- to create the container of these elements
- ☐ CSS- design these elements and providing animations
- ☐ JAVASCRIPT- to handle events of user interaction.

## 3. Recent Items

**Done by:** Avi Singhal (947393120), Vishnu Prasad Vishwanathan (793782749)

**Functionality:** Recent items that are fetched on homepage are dynamically created using JavaScript. For this first an AJAX request is sent to the PHP file. This PHP file is responsible to query the database and get the list of newest 15 items added. As the AJAX request is made to this PHP, it returns the response in JSON format. It is parsed and stored in data variable. We use this JSON data to pass to the divs that we are creating via JavaScript. The JavaScript file one by one creates the elements in the following hierarchy

First slider container → main div → column grid div → slider item → item  
image

Then further div → slider main detail → slider detail → product detail → price

Then further div → column grid div → button

The data that we got in JSON string are simultaneously added to created divs by accessing the index[]

Finally, after the final append the item is completely created along with data, and when this JavaScript function is called the page gets populated with recent item list that is being held in a carousel

### Technologies used

- ☐ JAVASCRIPT- to dynamically create the item elements
- ☐ PHP- to query the database and fetch results
- ☐ AJAX- to send request to desired PHP

### Important functions used

- ☐ *XMLHttpRequest()*
- ☐ *JSON.parse()*
- ☐ *document.getElementById()*
- ☐ *document.createElement()*
- ☐ *appendChild()*



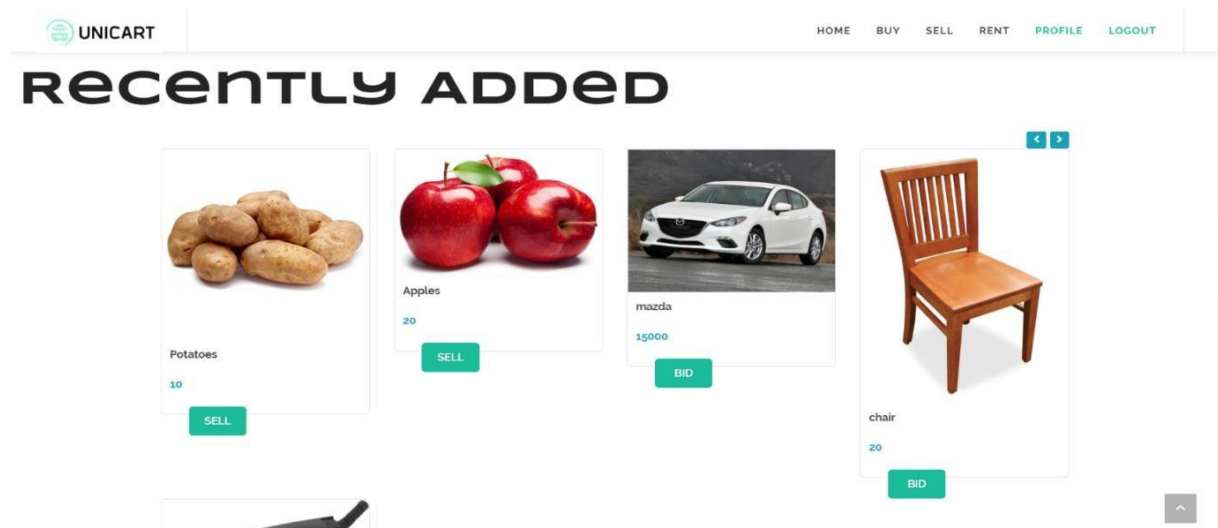


Figure 11: Recently Added

#### 4. Top Bidding Items

Done by: **Avi Singhal (947393120), Vishnu Prasad Vishwanathan (793782749)**

**Functionality:** Top Bid items that are fetched on homepage are dynamically created using JavaScript. For this first an AJAX request is sent to the PHP file. This PHP file is responsible to query the database and get the list of highest 15 bid items in the descending order. As the AJAX request is made to this PHP, it returns the response in JSON format. It is parsed and stored in data variable. We use this JSON data to pass to the divs that we are creating via JavaScript. The JavaScript file one by one creates the elements in the following hierarchy

First slider container → main div → column grid div → slider item → item  
image

Then further div → slider main detail → slider detail → product detail → price

Then further div → column grid div → button

The data that we got in JSON string are simultaneously added to created divs by accessing the index[]

Finally, after the final append the item is completely created along with data, and when this JavaScript function is called the page gets populated with recent item list that is being held in a carousel

#### Technologies used

- ☐ JAVASCRIPT- to dynamically create the item elements
- ☐ PHP- to query the database and fetch results
- ☐ AJAX- to send request to desired PHP

#### Important functions used

- ☐ `XMLHttpRequest()`
- ☐ `JSON.parse()`
- ☐ `document.getElementById()`
- ☐ `document.createElement()`
- ☐ `appendChild()`

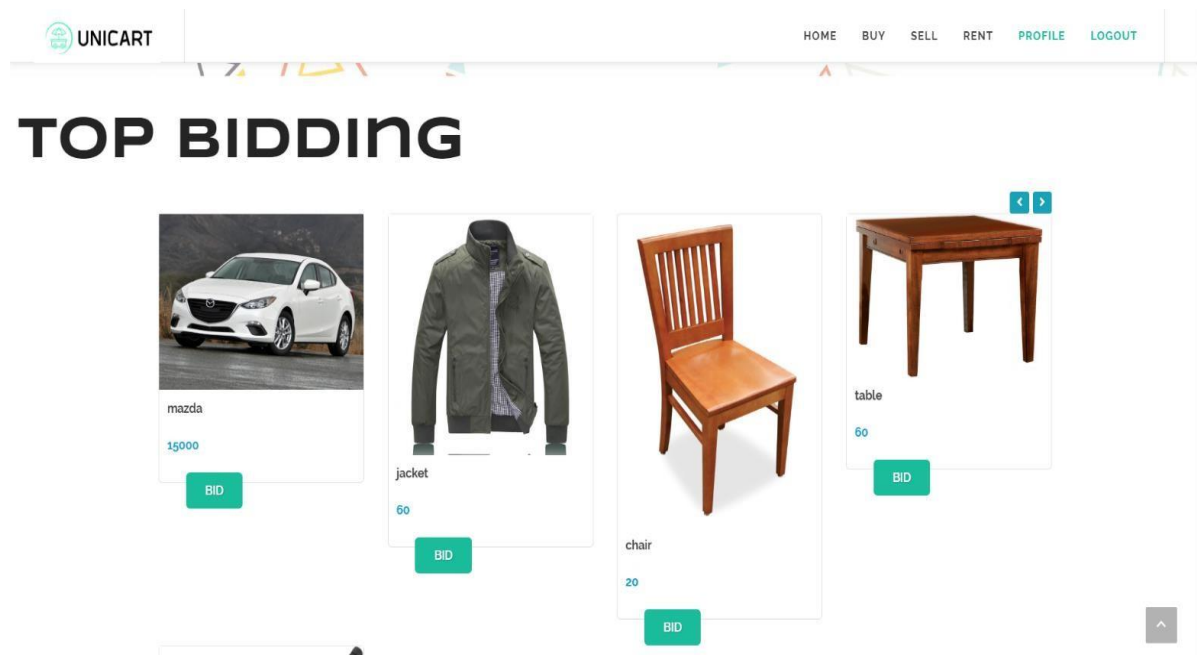


Figure 12: Top Bidding

## 7. Item Description page

Done by: **Avi Singhal (947393120), Vishnu Prasad Vishwanathan (793782749)**

**Functionality:** This page is the detailed view of all an item. It receives certain data from homepage that allows it to be dynamically generated. As previously mentioned whenever a button [rent, sell, bid] is clicked it does to item description page. This page receives the item id for which the page is to be created and type of button clicked. It receives a POST variable from previous page as item id and target to help navigate to button specific page. For that item id the details like name, description, rent, user who posted the item, and images are fetched. It further queries, the user table for the user that was fetched above. This data is displayed as posted by on the page along with its contact details and profile picture. This page further navigated to button specific pages. For this it must send itemid further. To achieve this itemid is stored in session on this page. It sends this data to next pages via html form and acts as hidden field to it.

### Technologies used

- ☐ HTML- for page creation and form creation
- ☐ CSS- design this page
- ☐ PHP- to get data from database
- ☐ MYSQL- to store user data

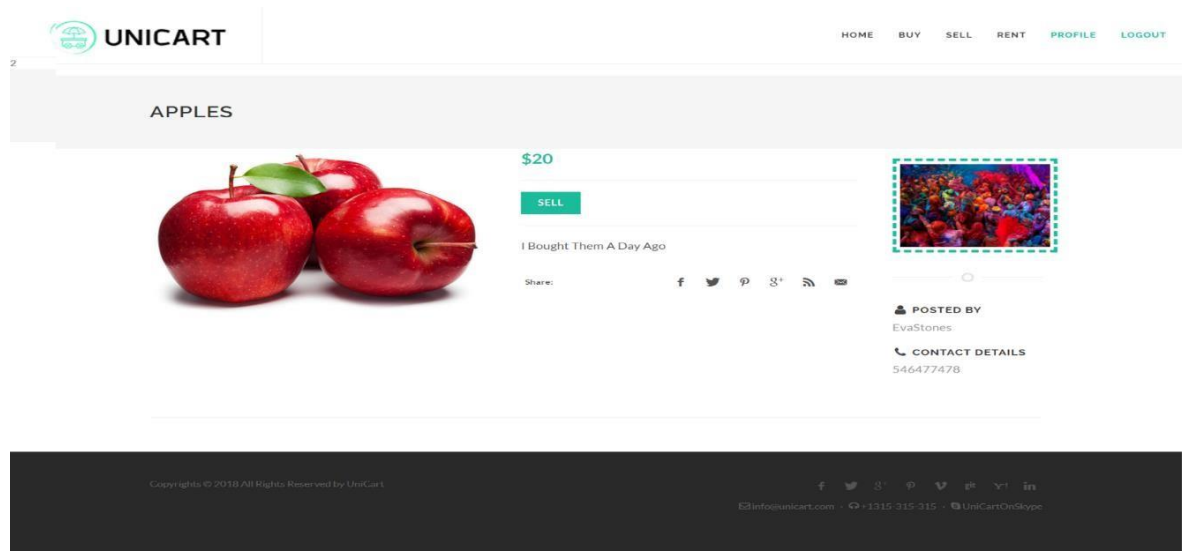


Figure 13: Item Description Page 1 (Sell)

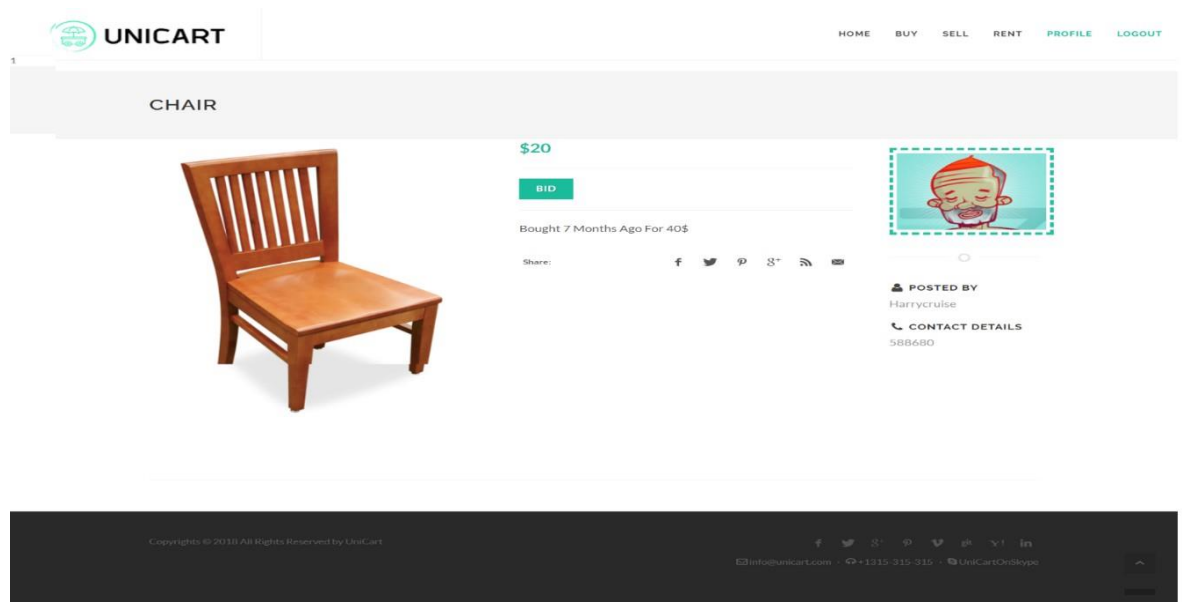


Figure 14: Item Description Page 2 (Bid)

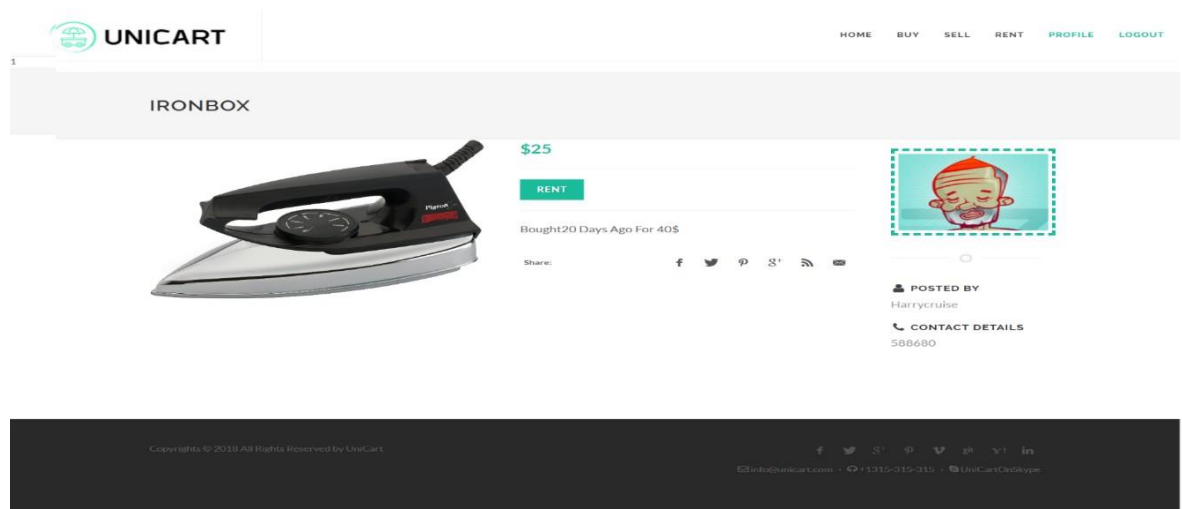


Figure 15: Item Description Page (R)

## Data

We have created different tables in our database for different parts of our project. We have “users” table to store all the details (user name, password, address etc) for all users. “items” table to store the details of an item (item name, item price, sellers information etc.) for all the items.

### Users Table








	userid	email	password	firstname	lastname	streetaddress	apartment	city	state	country	zip	phone	picture	paypalid
  	3	tony@ozzy.com	\$2y\$10\$BnTEF6azmiWHC3NRhVYuyBT2RxaqWjZo69MbPdQf...	tony	ozzy	459 maryland	1	syracuse	ny	us	13679	86090958	images/index.jpg	tony@
  	2	eva@yahoo.com	\$2y\$10\$dKjX64XJL4gH#WpG59.kanNSxQhGVdLS20B6mxb...	Eva	Stones	127 mellon avenue	4	NYC	NY	US	45684	546477478	images/27496.jpg	eva@
  	1	harry@gmail.com	\$2y\$10\$HBMaUcJEZF4KZzy4HdFOQHbHdwmH7Q75oQ2egov78...	Harry	cruise	244 bristol	2	chicago	Illinois	us	123	588680	images/1.jpg	harry@
  	20	ram@gmail.com	\$2y\$10\$a5q476T3nGAQ4D0m1m.Pp.QP9nheX0qzcbMcH9WLS...	Ram	sur	111 westcott	1	Syracuse	NY	USA	13210	313313313	images/Screen Shot 2018-05-07 at 12:12:04 AM.png	hello@
  	21	bgpratheek@gmail.com	\$2y\$10\$IdJ3b4DUcoJAQx9Bdn5TuplpmkUkQR5JUUISZ7cHc...	pratheek	gowda	429 columbus ave	1	syracuse	NY	us	13210	123	images/DSC_0002.jpg	123@
  	25	sachin@bs.com	\$2y\$10\$KMYES/zkPcQZJuzR97vuyYrGXEt2WD57A.eExv...	Sachin	BS	324	1	Syracuse	NY	USA	13210	1234567890	images/home.png	sachin

Figure 24: Users Table 1



































#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
 1	userid	int(255)			No	None		AUTO_INCREMENT	 Change  Drop  Primary
 2	email	varchar(255)	latin1_swedish_ci		No	None			 Change  Drop  Primary
 3	password	varchar(255)	latin1_swedish_ci		No	None			 Change  Drop  Primary
 4	firstname	varchar(255)	latin1_swedish_ci		No	None			 Change  Drop  Primary
 5	lastname	varchar(255)	latin1_swedish_ci		No	None			 Change  Drop  Primary
 6	streetaddress	varchar(255)	latin1_swedish_ci		No	None			 Change  Drop  Primary
 7	apartment	varchar(255)	latin1_swedish_ci		No	None			 Change  Drop  Primary
 8	city	varchar(255)	latin1_swedish_ci		No	None			 Change  Drop  Primary
 9	state	varchar(255)	latin1_swedish_ci		No	None			 Change  Drop  Primary
 10	country	varchar(255)	latin1_swedish_ci		No	None			 Change  Drop  Primary
 11	zip	int(255)			No	None			 Change  Drop  Primary
 12	phone	int(255)			No	None			 Change  Drop  Primary
 13	picture	varchar(255)	latin1_swedish_ci		No	None			 Change  Drop  Primary
 14	paypalid	varchar(255)	latin1_swedish_ci		No	None			 Change  Drop  Primary

Figure 25: Users Table 2

### 1. Items Table














































	itemid	itemname	itempic	description	userid	type	price	bidtime	bidduration	retduration	Next_Available	cbidprice	buyerid	sold	paypalid	qty
  	6	table	imagess/tableimg.jpeg	bought 2 years ago for 80\$	3	bid	60	2018-05-06 00:00:00	4	0	0000-00-00	56	24	no	nil	1
  	9	jacket	imagess/jacketimg.jpg	bought 6 months ago for 50\$	1	bid	60	2018-05-06 00:00:00	72	0	0000-00-00	65	25	no	nil	1
  	3	chair	imagess/chairimg.png	bought 8 months ago for 30\$	1	bid	20	2018-04-21 00:00:00	20	0	0000-00-00	45	4	no	nil	1
  	11	chair	imagess/chairimg.png	bought 7 months ago for 40\$	1	bid	20	2018-04-21 00:00:00	300	0	0000-00-00	20	0	no	nil	1
  	12	mazda	imagess/mazdaimg.jpeg	bought a year ago for 20000\$	2	bid	15000	2018-04-21 00:00:00	10	0	0000-00-00	15400	3	no	nil	1
  	1	onions	imagess/onionimg.jpg	i bought it 2 days back - 5lbs	2	rent	5	2018-04-21 04:00:00	1	10	0000-00-00	5	0	no	nil	1
  	2	orange	imagess/oranges.jpeg	i bought it 2 days back - 20 oranges	1	rent	10	2018-04-03 00:00:00	0	5	0000-00-00	10	0	yes	nil	1
  	10	ironbox	imagess/ironimg.jpg	bought 20 days ago for 40\$	1	rent	25	2018-04-21 00:00:00	48	10	2018-05-17	25	25	no	nil	1
  	4	table	imagess/tableimg.jpeg	bought a year ago for 80\$	1	sell	40	2018-04-21 00:00:00	0	0	0000-00-00	40	0	no	nil	1
  	5	cycle	imagess/cycleimg.jpeg	bought a year ago for 100\$	1	sell	40	2018-04-21 00:00:00	0	0	0000-00-00	50	0	no	nil	1
  	7	oranges	imagess/oranges.jpeg	bought 5 days ago for 30\$	3	sell	40	2018-04-21 00:00:00	0	0	0000-00-00	40	25	no	nil	1
  	8	cycle	imagess/cycleimg.jpeg	bought a year ago for 150\$	1	sell	80	2018-04-21 00:00:00	0	0	0000-00-00	80	25	no	nil	1
  	13	Apples	imagess/apple.jpg	I bought them a day ago	2	sell	20	2018-05-07 02:40:03	5	0	2018-05-07	20	24	no	nil	1
  	14	Potatoes	imagess/potatoes.jpg	I bought them two days ago	2	sell	10	2018-05-07 02:50:46	5	0	2018-05-07	10	0	no	nil	1
  	15	Table	imagess/tableimg.jpeg	Bought ten days ago	25	sell	23	2018-05-08 03:59:38	0	0	2018-05-08	23	0	no	nil	1

Figure 26: Items Table 1

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	<b>itemid</b>			No	None		AUTO_INCREMENT	Change  Drop  Primary
<input type="checkbox"/>	2	<b>itemname</b>	latin1_swedish_ci		No	None			Change  Drop  Primary
<input type="checkbox"/>	3	<b>itempic</b>	latin1_swedish_ci		No	None			Change  Drop  Primary
<input type="checkbox"/>	4	<b>description</b>	latin1_swedish_ci		No	None			Change  Drop  Primary
<input type="checkbox"/>	5	<b>userid</b>			No	None			Change  Drop  Primary
<input type="checkbox"/>	6	<b>type</b>	latin1_swedish_ci		No	None			Change  Drop  Primary
<input type="checkbox"/>	7	<b>price</b>			No	None			Change  Drop  Primary
<input type="checkbox"/>	8	<b>bidtime</b>			No	None			Change  Drop  Primary
<input type="checkbox"/>	9	<b>bidduration</b>			No	None			Change  Drop  Primary
<input type="checkbox"/>	10	<b>rentduration</b>			No	None			Change  Drop  Primary
<input type="checkbox"/>	11	<b>Next_Available</b>	date		No	None			Change  Drop  Primary
<input type="checkbox"/>	12	<b>cbidprice</b>			No	None			Change  Drop  Primary
<input type="checkbox"/>	13	<b>buyerid</b>			No	None			Change  Drop  Primary
<input type="checkbox"/>	14	<b>sold</b>	latin1_swedish_ci		No	None			Change  Drop  Primary
<input type="checkbox"/>	15	<b>paypalid</b>	latin1_swedish_ci		No	None			Change  Drop  Primary
<input type="checkbox"/>	16	<b>qty</b>			Yes	1			Change  Drop  Primary

Figure 27: Items Table 2

## References

1. Template Link  
<https://themeforest.net/item/canvas-the-multipurpose-html5-template/9228123>
2. UI Elements  
<https://tympanus.net/codrops/>
3. Icons and Images  
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