Online Toy Store

Project Report – CS 6314.001

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WEB PROGRAMMING LANGUAGES

Fall 2016

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Overview

Toybox is an e-commerce website for an online toy store. The website has all the features that are expected in a modern e-commerce website viz. Product catalog, User Account Management, User Authentication, Cart functionality, Administrator Privileges to maintain product catalog, client and server side form validation, maintaining user information through tracking of sessions and cookies. The catalog contains toys classified on various categories.

Assumptions

- The toys are not limited in number. They are available in our inventory till admin deletes it from the catalog.
- Admin can login and add, update items. Admin can also disable a product to limit it from displaying in the inventory.

User Roles

Guests:

- Guests have access to only the homepage and page containing the product information. They may view the products available and their details, but they will not be able to add these products to their cart and purchase them as a guest.
- Guests may also subscribe to receiving monthly deals in their inbox without having to create an account.

Registered Users:

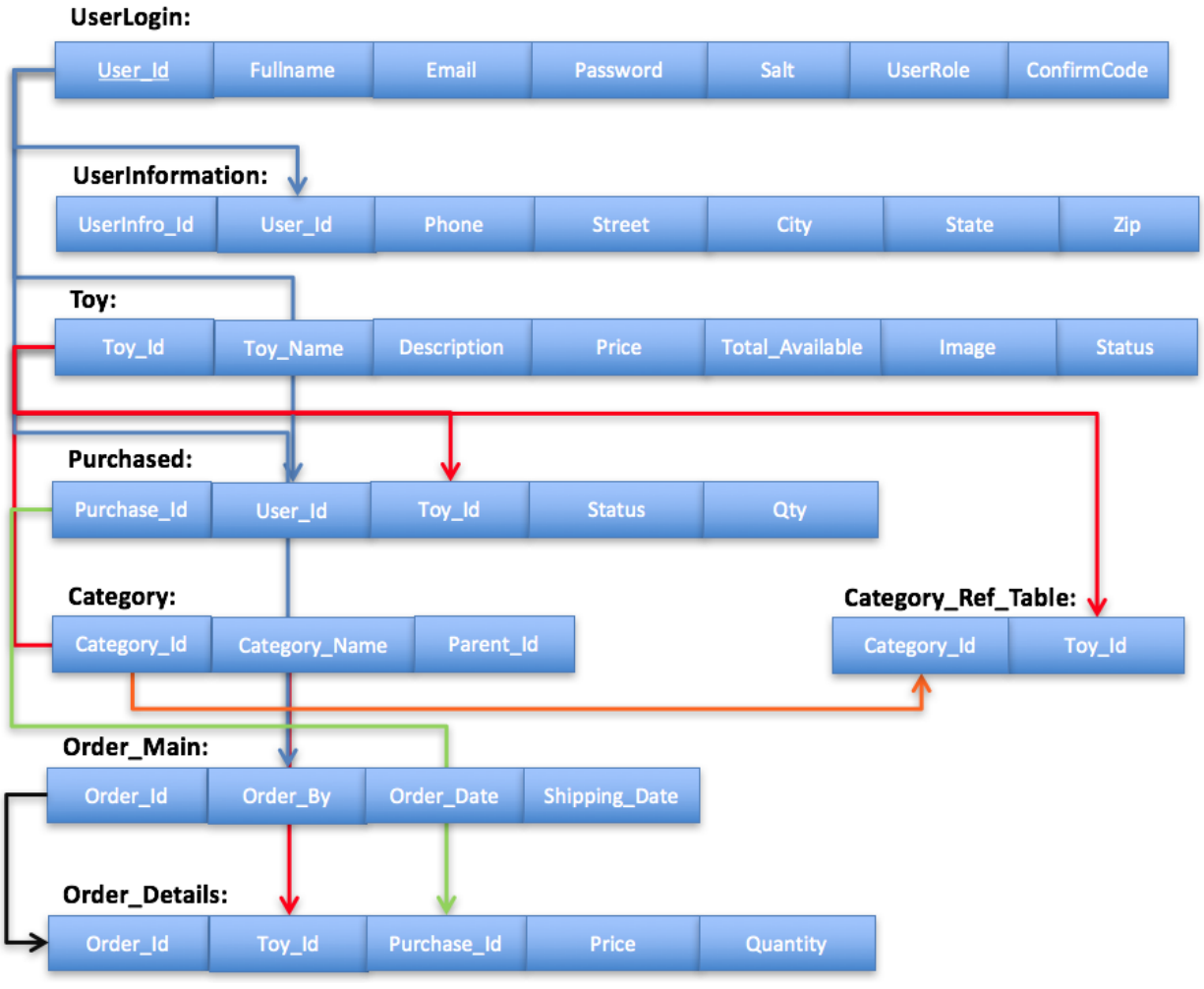
- Users may register using their email address. Email addresses are unique to each account. No two accounts may share the same email address.
- User passwords are hashed using a randomly generated 10-digit salt and the hashed value is stored in the database. A new salt is generated each time the user changes their password.
- The hashing is done using ‘sha1’ and ‘md5’ functions provided in PHP.
- Upon registering the users are mailed a confirmation code. The confirmation code is a randomly generated 10-digit code.
- On following the link provided in the email the account is verified and is authorized to purchase products from the account.

- Registered users are allowed provided access to the products pages with the now available option to add products and purchase them right then or anytime in the future.

Administrator:

- Administrators have all the privilege of guest and registered users.
- Administrators may also add new products to the store database. This also involves the option to upload images for the new product.
- Administrators may update information about any existing products in the store database.
- They may also disable products thereby making them unavailable to registered and guest users.

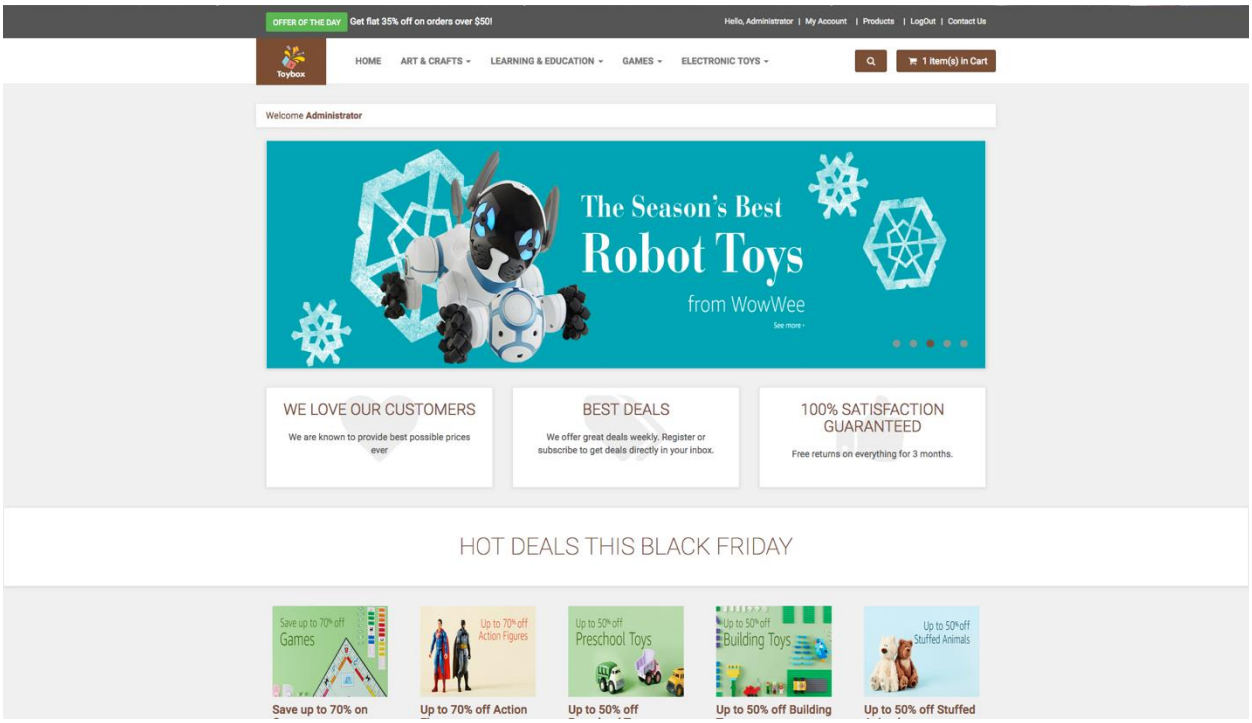
Database Design

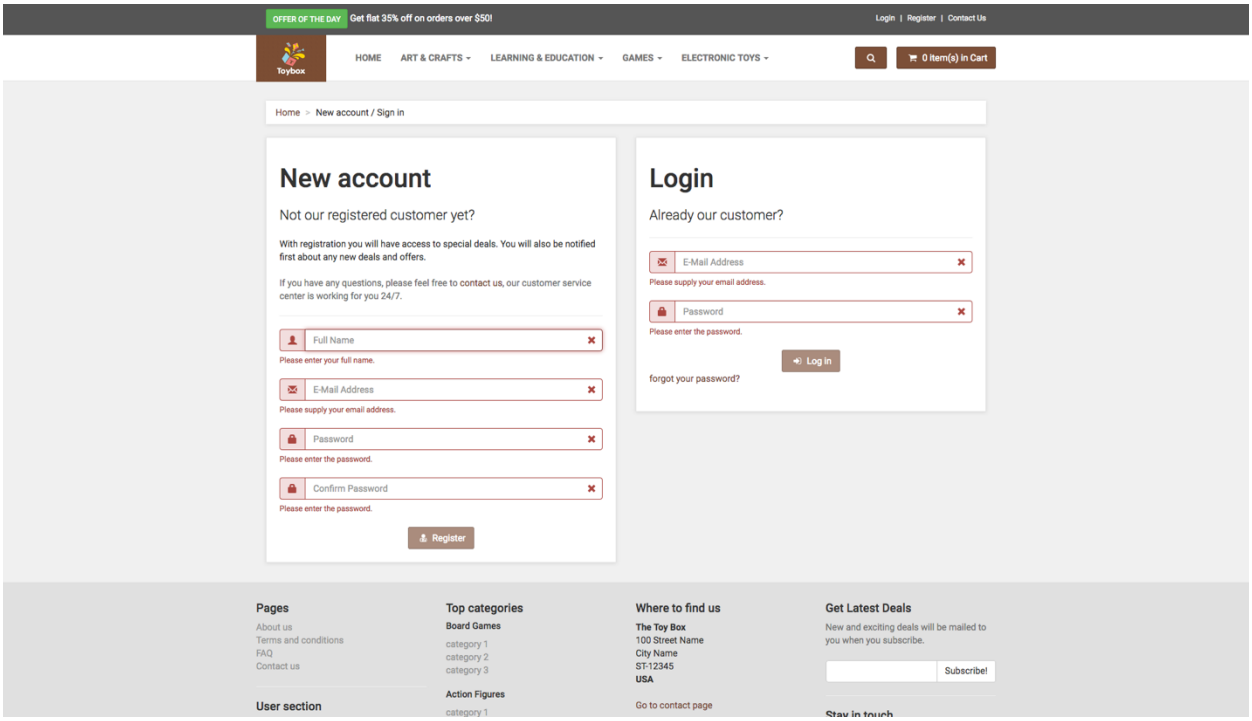


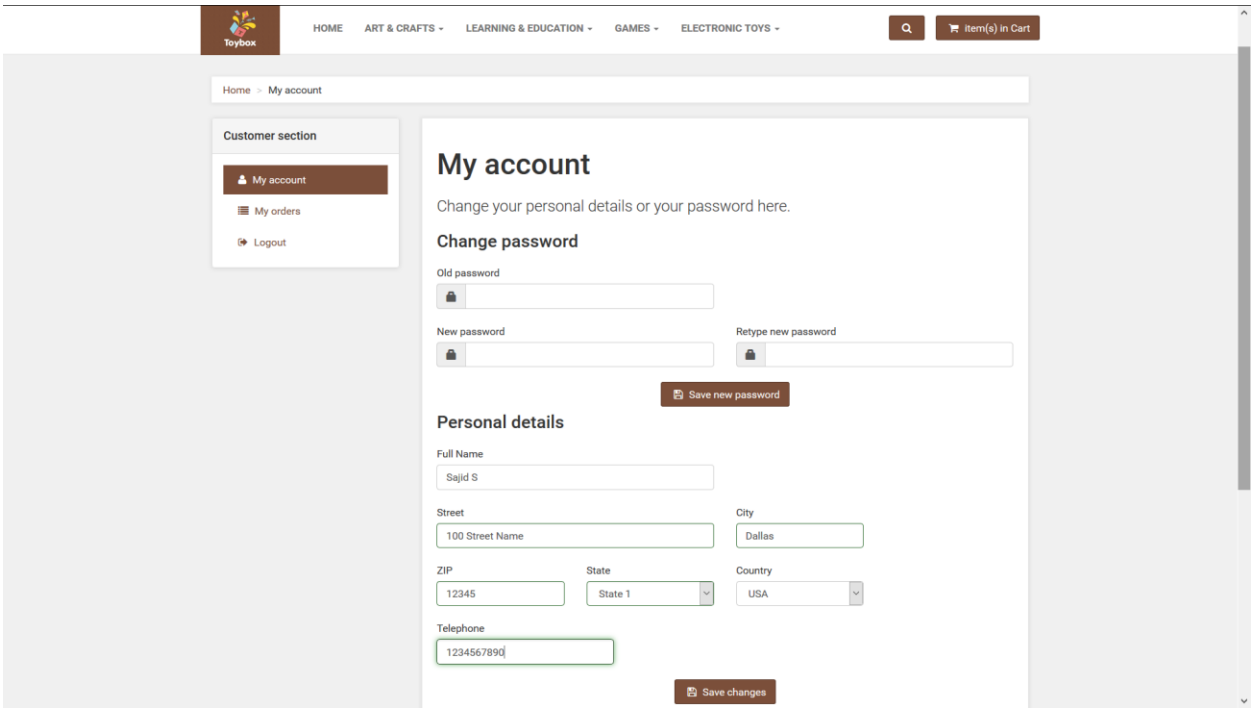
Technologies used

- Web Server: Apache
- Server-Side Scripting: PHP
- Backend: MySQL
- Client-Side Scripting: JavaScript, AJAX, JQuery
- Front-end: HTML, CSS, Bootstrap

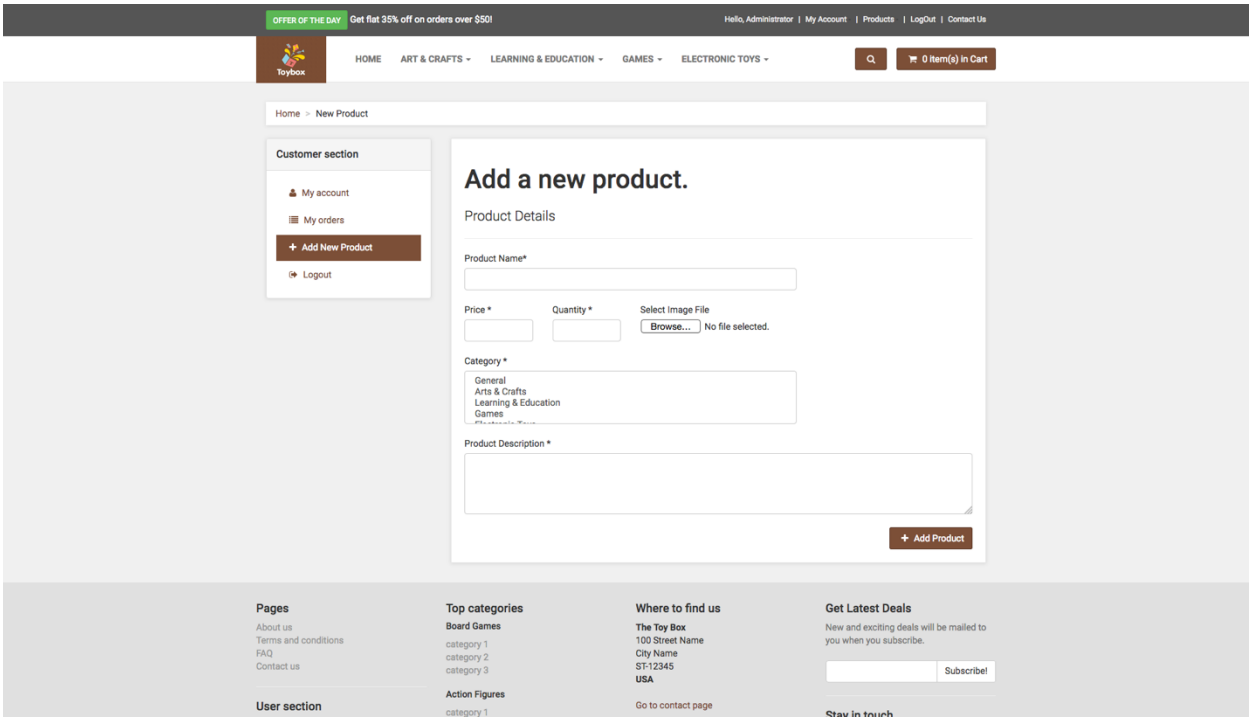
Screenshots

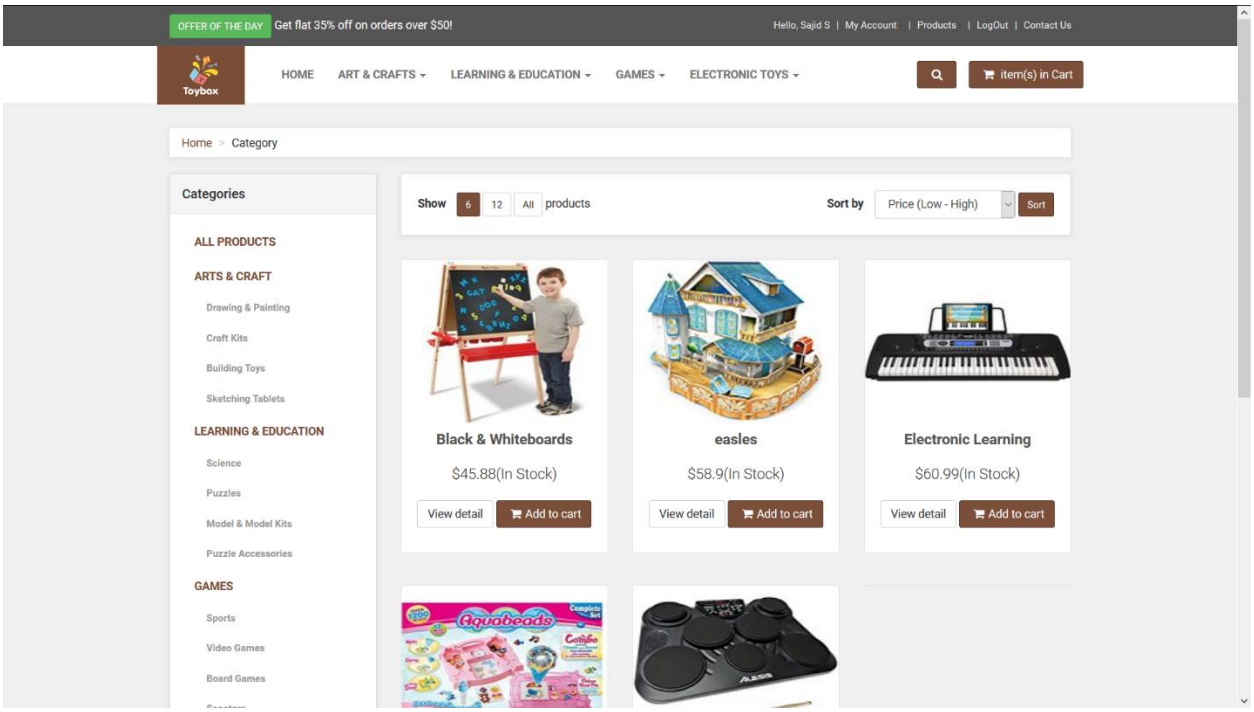






Add New Product Screen (Only for users with administrator privileges):


OFFER OF THE DAY
Get flat 35% off on orders over $50!
Hello, Administrator | My Account | Products | LogOut | Contact Us
Toybox
HOME
ART & CRAFTS
LEARNING & EDUCATION
GAMES
ELECTRONIC TOYS
0 item(s) in Cart
Home > New Product
Customer section
My account
My orders
Add New Product
Logout
Add a new product.
Product Details
Product Name*
Price *
Quantity *
Select Image File
Browse...
No file selected.
Category *
General
Arts & Crafts
Learning & Education
Games
Product Description *
Add Product
Pages
About us
Terms and conditions
FAQ
Contact us
User section
Top categories
Board Games
category 1
category 2
category 3
Action Figures
category 1
Where to find us
The Toy Box
100 Street Name
City Name
ST-12345
USA
Go to contact page
Get Latest Deals
New and exciting deals will be mailed to you when you subscribe.
Subscribe!
Stay in touch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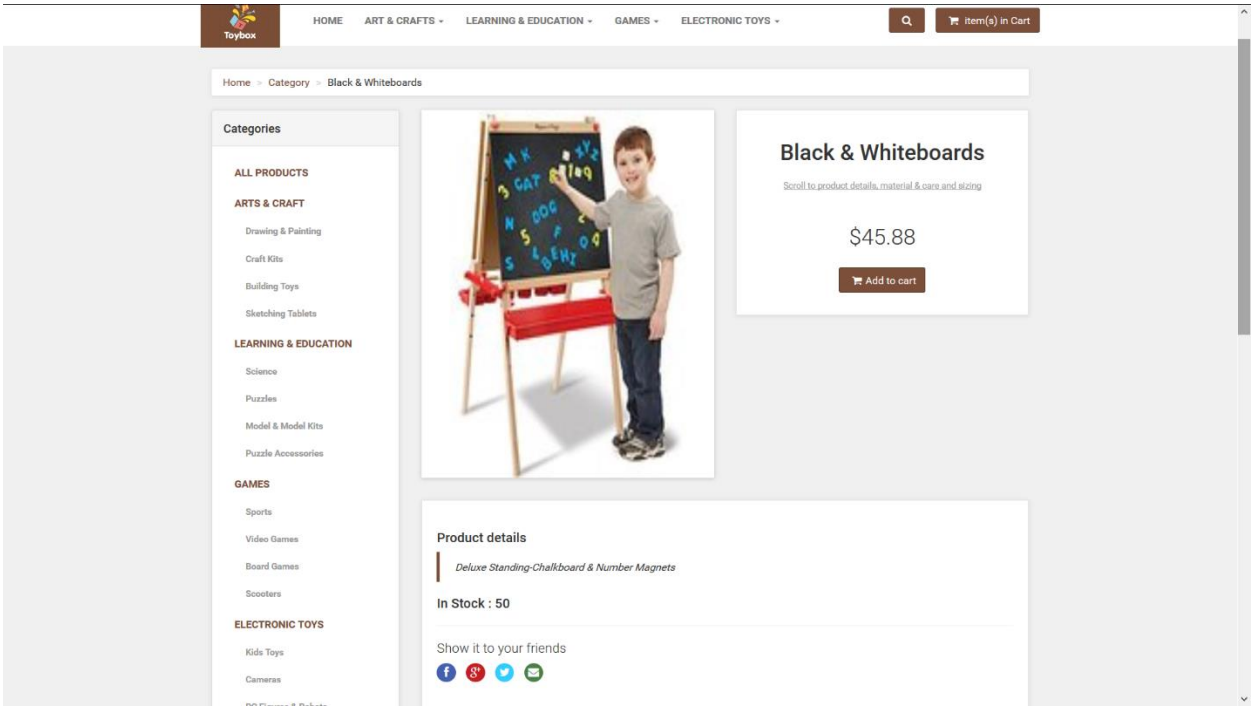
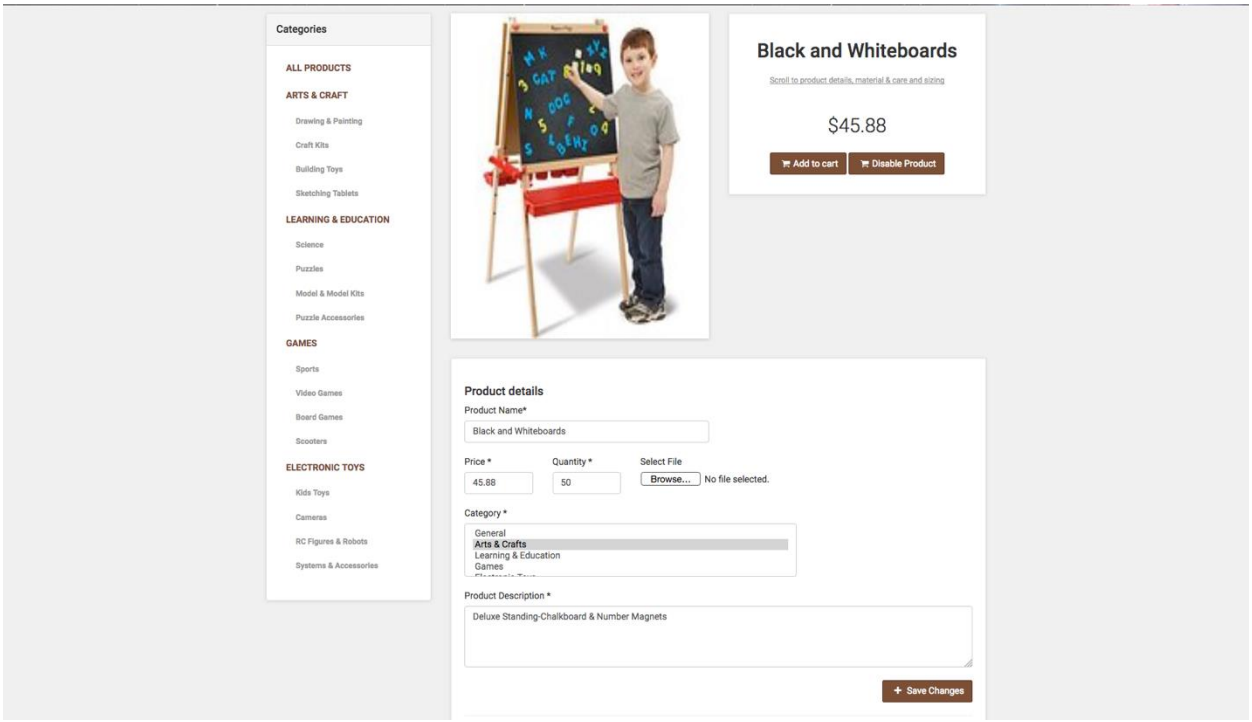
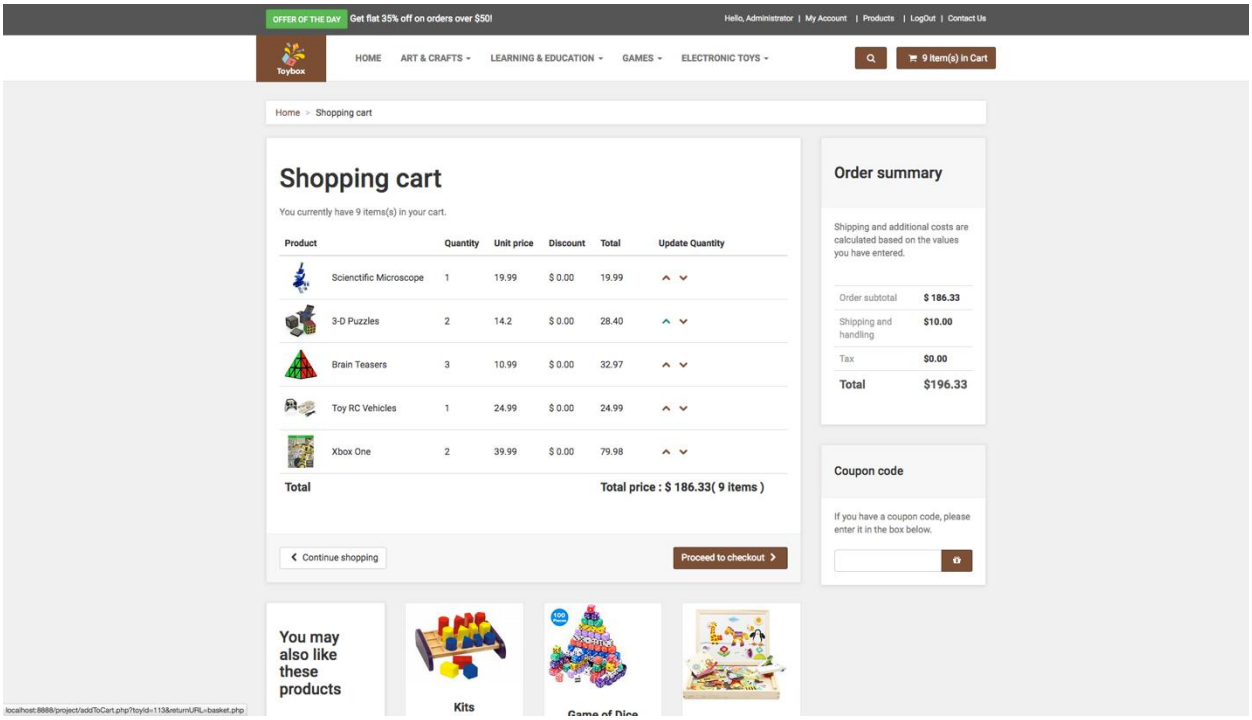
Hello, Sajid S | My Account | Products | LogOut | Contact Us
Toybox
HOME
ART & CRAFTS
LEARNING & EDUCATION
GAMES
ELECTRONIC TOYS
item(s) in Cart
Home > Category
Categories
ALL PRODUCTS
ARTS & CRAFT
Drawing & Painting
Craft Kits
Building Toys
Sketching Tablets
LEARNING & EDUCATION
Science
Puzzles
Model & Model Kits
Puzzle Accessories
GAMES
Sports
Video Games
Board Games
Show 6 12 All products
Sort by Price (Low - High) Sort
Black & Whiteboards
$45.88(In Stock)
View detail
Add to cart
easles
$58.9(In Stock)
View detail
Add to cart
Electronic Learning
$60.99(In Stock)
View detail
Add to cart
Aquabeads



Update Product Screen (Only for users with administrator privileges):

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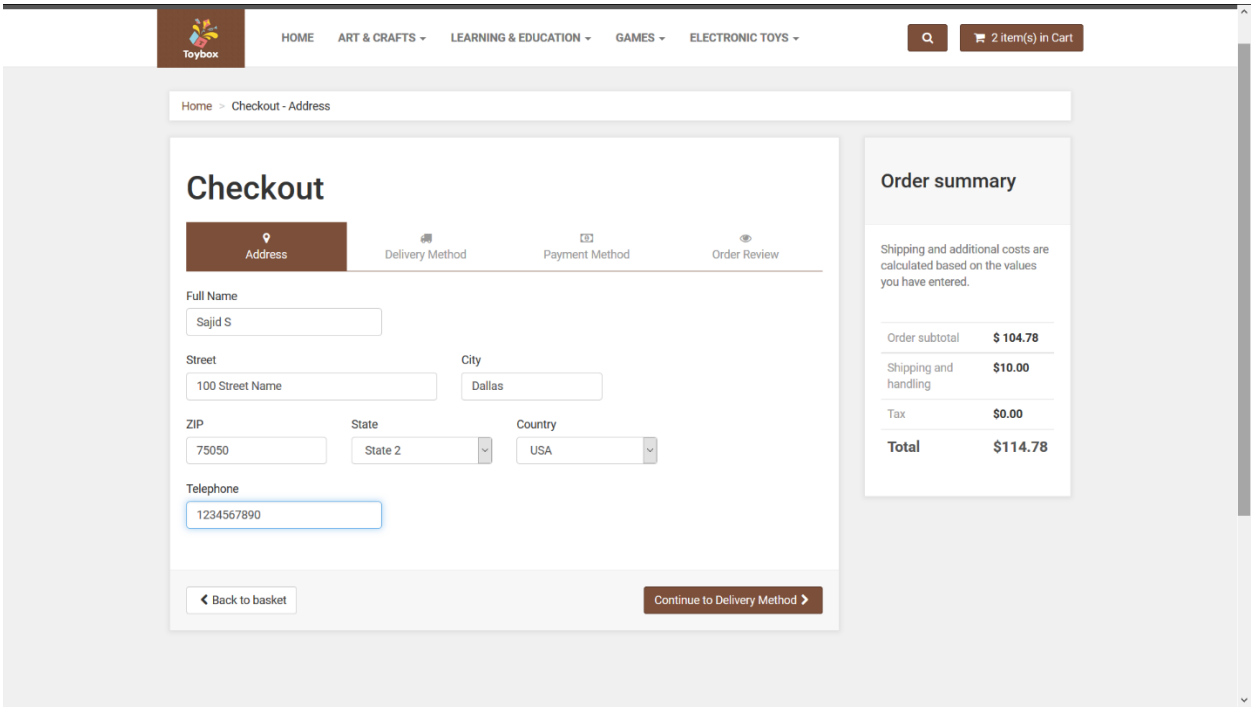
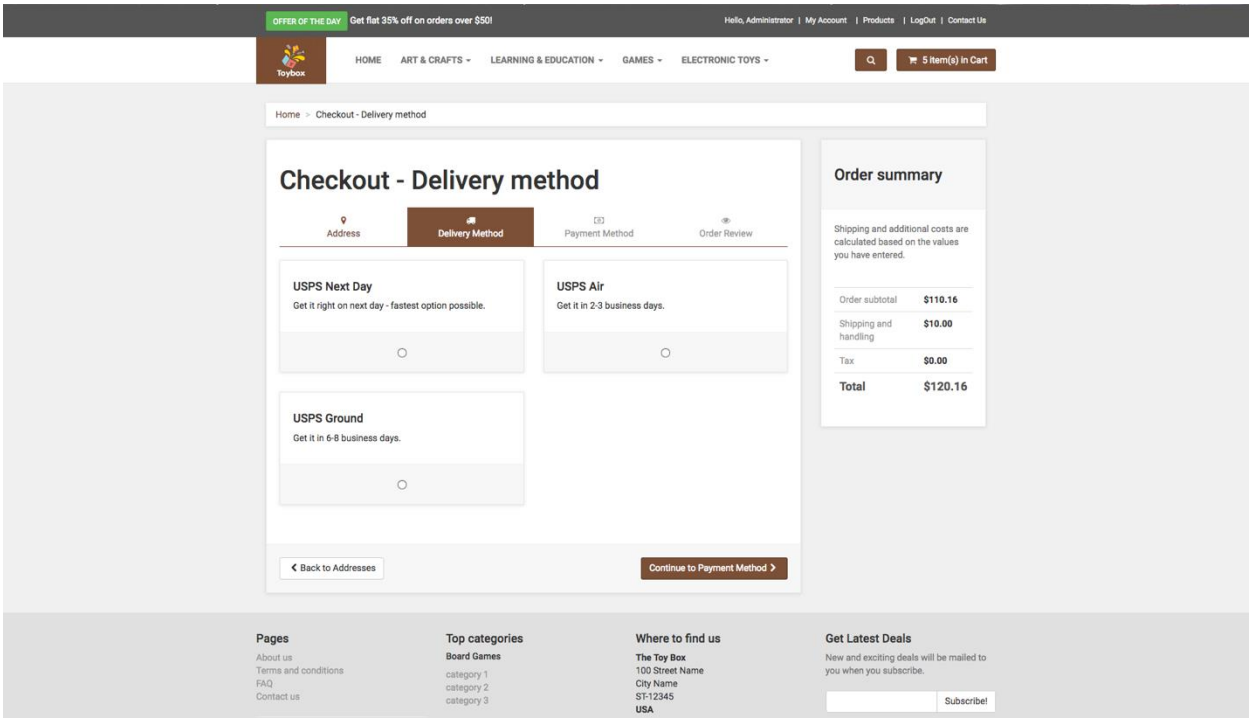
Toybox
HOME
ART & CRAFTS
LEARNING & EDUCATION
GAMES
ELECTRONIC TOYS
9 Item(s) in Cart
Home > Shopping cart
Shopping cart
You currently have 9 items(s) in your cart.
Product
Quantity
Unit price
Discount
Total
Update Quantity
Scienctific Microscope 1 19.99 $ 0.00 19.99
3-D Puzzles 2 14.2 $ 0.00 28.40
Brain Teasers 3 10.99 $ 0.00 32.97
Toy RC Vehicles 1 24.99 $ 0.00 24.99
Xbox One 2 39.99 $ 0.00 79.98
Total
Total price : $ 186.33(9 items)
Continue shopping
Proceed to checkout
Order summary
Shipping and additional costs are calculated based on the values you have entered.
Order subtotal $ 186.33
Shipping and handling $10.00
Tax $0.00
Total $196.33
Coupon code
If you have a coupon code, please enter it in the box below.
You may also like these products
Kits


Toybox
HOME
ART & CRAFTS
LEARNING & EDUCATION
GAMES
ELECTRONIC TOYS
2 item(s) in Cart
Home > Checkout - Address
Checkout
Address
Delivery Method
Payment Method
Order Review
Full Name
Sajid S
Street
100 Street Name
City
Dallas
ZIP
75050
State
State 2
Country
USA
Telephone
1234567890
Back to basket
Continue to Delivery Method
Order summary
Shipping and additional costs are calculated based on the values you have entered.
Order subtotal $ 104.78
Shipping and handling $10.00
Tax $0.00
Total $114.78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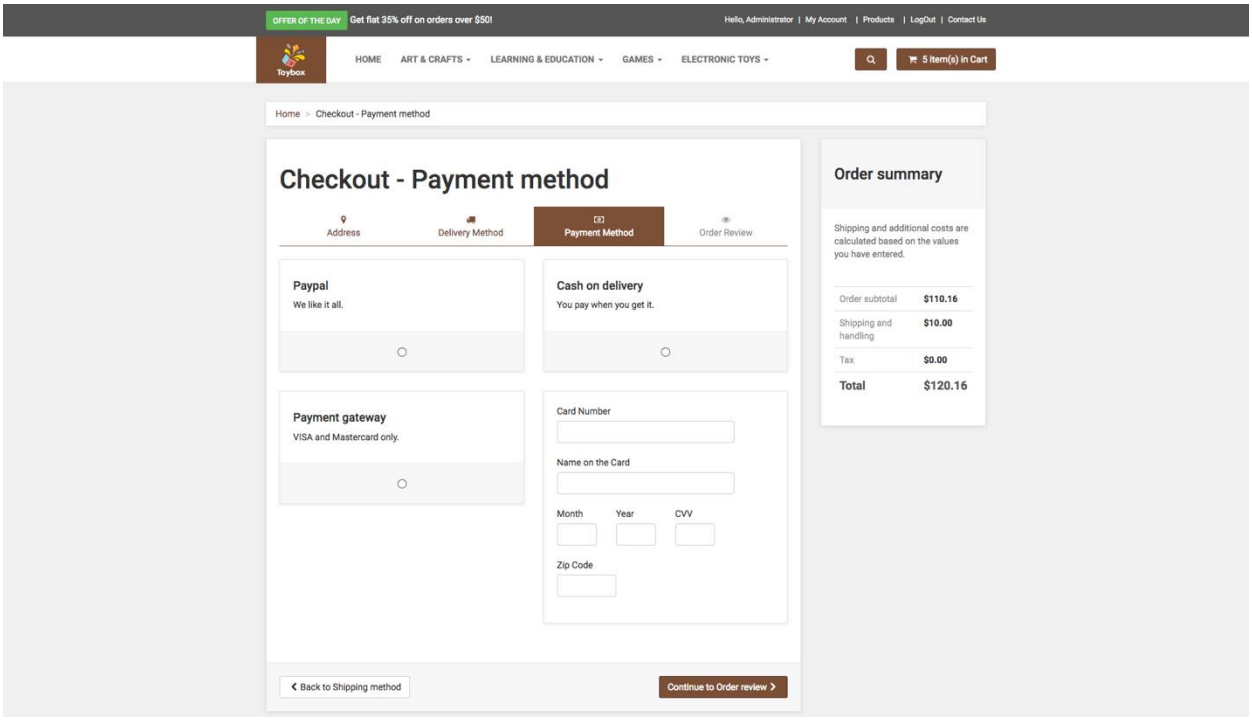
Toybox
HOME
ART & CRAFTS
LEARNING & EDUCATION
GAMES
ELECTRONIC TOYS
5 Item(s) in Cart
Home > Checkout - Delivery method
Checkout - Delivery method
Address
Delivery Method
Payment Method
Order Review
USPS Next Day
Get it right on next day - fastest option possible.
USPS Air
Get it in 2-3 business days.
USPS Ground
Get it in 6-8 business days.
Back to Addresses
Continue to Payment Method
Order summary
Shipping and additional costs are calculated based on the values you have entered.
Order subtotal $110.16
Shipping and handling $10.00
Tax $0.00
Total $120.16
Pages
About us
Terms and conditions
FAQ
Contact us
Top categories
Board Games
category 1
category 2
category 3
Where to find us
The Toy Box
100 Street Name
City Name
ST-12345
USA
Get Latest Deals
New and exciting deals will be mailed to you when you subscribe.
Subscribe!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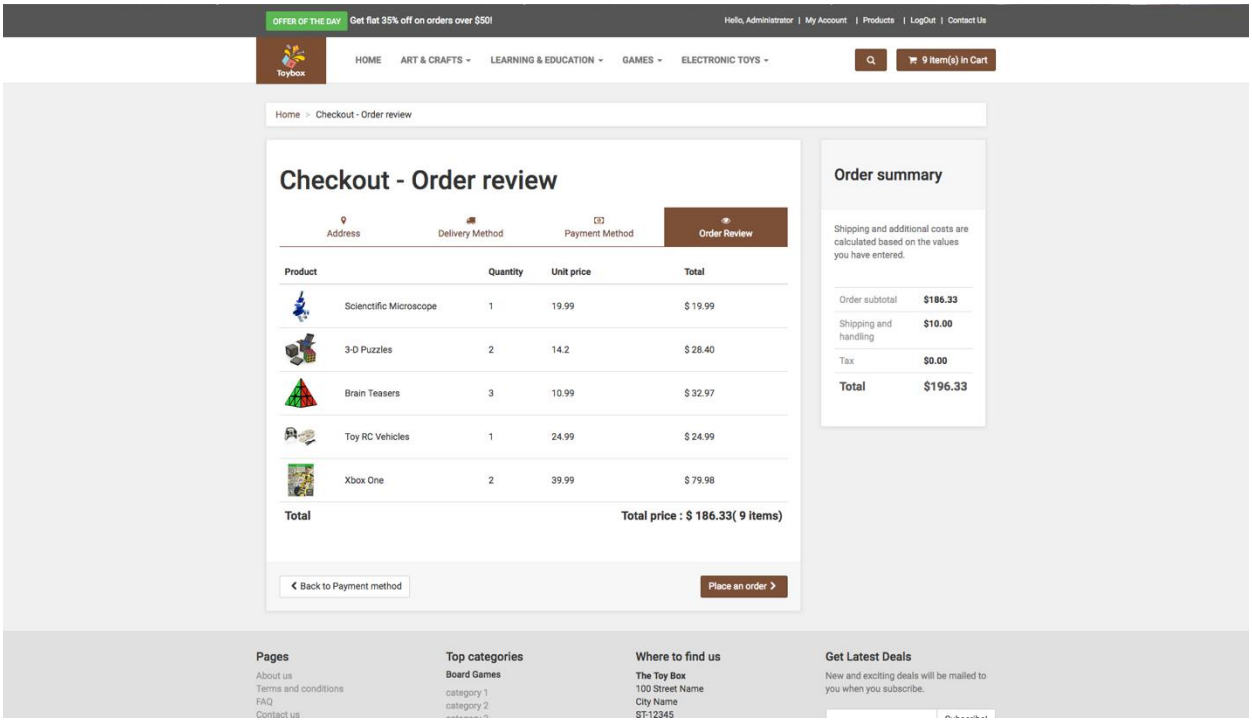
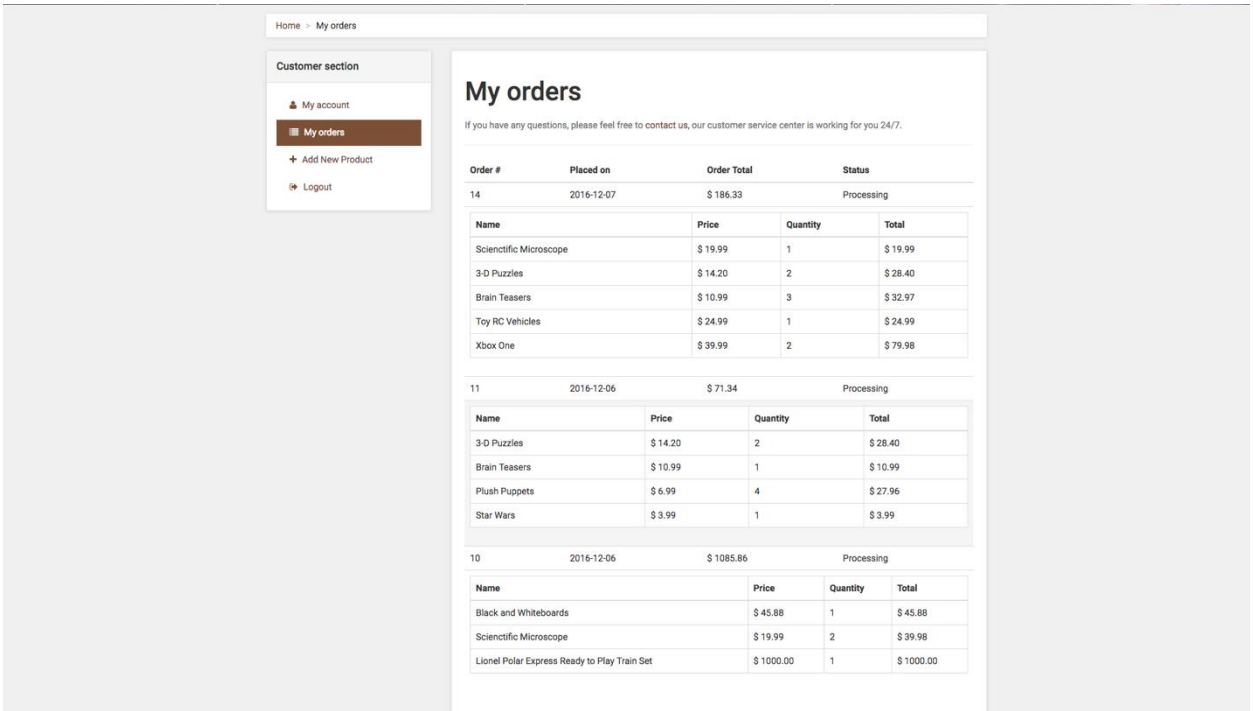
HOME
ART & CRAFTS
LEARNING & EDUCATION
GAMES
ELECTRONIC TOYS
5 Item(s) in Cart
Home > Checkout - Payment method
Checkout - Payment method
Address
Delivery Method
Payment Method
Order Review
Paypal
We like it all.
Cash on delivery
You pay when you get it.
Payment gateway
VISA and Mastercard only.
Card Number
Name on the Card
Month
Year
CVV
Zip Code
Back to Shipping method
Continue to Order review
Order summary
Shipping and additional costs are calculated based on the values you have entered.
Order subtotal $110.16
Shipping and handling $10.00
Tax $0.00
Total $120.16



Note: As per our discussion with the professor after our project demonstration, the order summary page has been modified along with the database to orders placed and a summary of items that belong to that order.



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Team Members

- Sajid Siddiqui – SXS140731
- Kunal Tripathi – KXT142730
- Haripriyaa M - HUM160030

Work Division

- Sajid Siddiqui
  Website UI, Order history, Cart functionality: add to cart, remove from cart, Checkout, Related Tables designed and populated.

- Kunal Tripathi – KXT142730
  Website UI, Account Management, Validation of users, Search/Sort, Admin Privileges, Related Tables designed and populated

- Haripriyaa M - HUM160030
  Product catalog, Product details, Search/Sort, Admin actions, Related Tables designed and populated.