

2/26/2013



KBIK Design Plan

Website Design Plan for Team KBIK

BCIS 4720 – Team KBIK

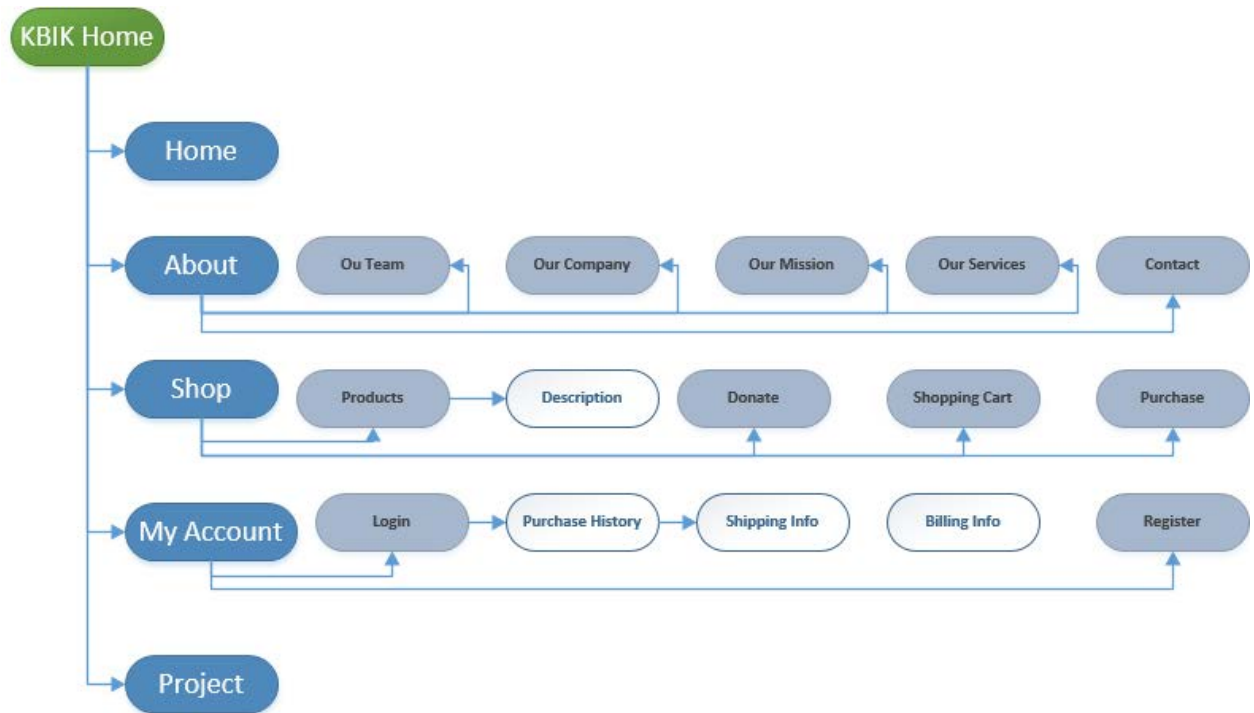
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Diagrams and Definitions

Hierarchical Site Map



Entity-Relationship Diagram (ERD)



Data Definitions

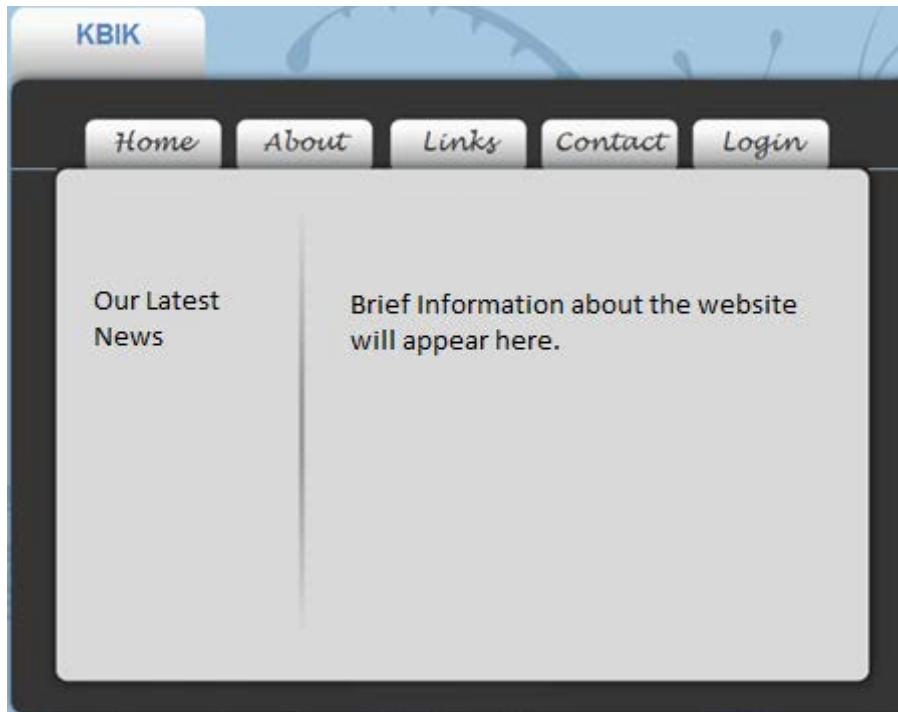
The KBK database will contain many tables to keep track of customer, vendor, and product information as well as keep a record of orders for generation of invoices. Below are the tables we plan to implement with our database, as well as a short explanation of each:

1. **Customer** (Customer_ID, Customer_FName, Customer_LName, Customer_Address, Customer_City, Customer_City, Customer_State, Customer_ZipCode, Customer_Phone_Num)
 - a. This table will store Customer Information
2. **Product** (Product_SKU, Product_Description, Product_Stock_Qty, Product_Price, Vendor_Number)
 - a. This table will store Product Information and will reference the Vendor table.
3. **Vendor** (Vendor_Number, Vendor_Name, Vendor_Phone_Num, Vendor_Address, Vendor_City, Vendor_State, Vendor_Zip)
 - a. This table will store the information for Vendors that supply products and materials
4. **Billing Info** (Billing_ID, Customer_Number, Credit_Card_Number)
 - a. This table will store billing-specific information for customers
5. **Order** (Order_Number, Customer_ID, Order_Total)
 - a. This table will store information for orders created by customers
6. **Order_Info** (Order_Num, Order_Line_Number, Product_Number, Quantity_Ordered, Total_Line_Cost)
 - a. This table will store the information OF each order and will reference the Order table.
This table stores the information on a PER-LINE basis for every order.

Our Website

****NOTE:** The items displayed on the toolbar of the images in this section **will** change in the future, the images are for informational purposes only. For actual layout of the website, please view the Heirarchical site map on Page 3 of this document.

Home Page



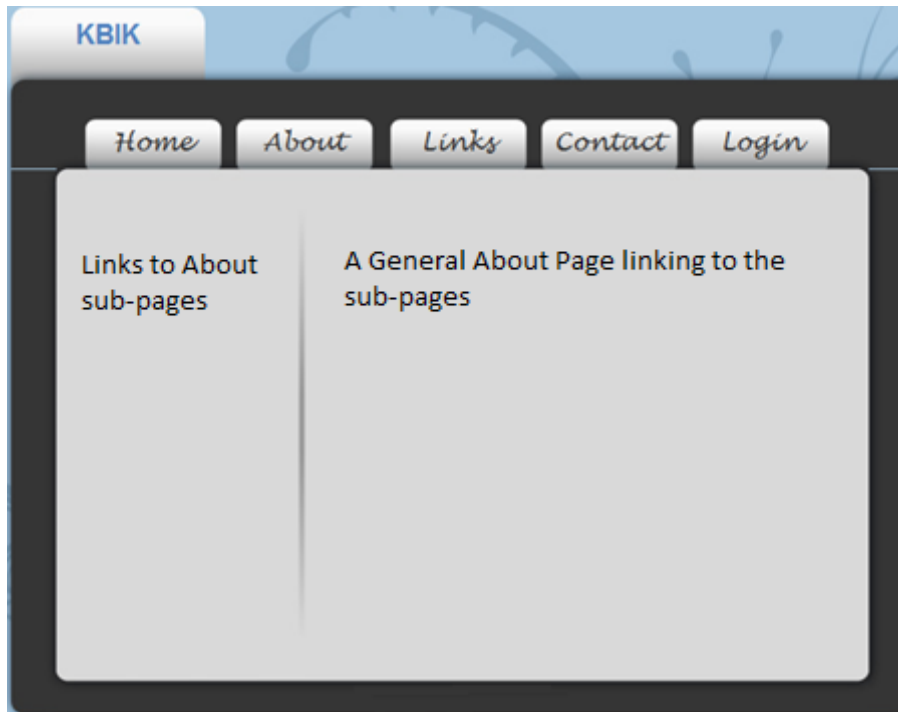
Purpose: The Main purpose of our home page is to let our customers and prospective customers know about our company and products, our latest news, as well as supply navigation to the various sections of our site that can elaborate on those topics.

Design: The Home Page includes a top-based navigation menu with links to the Home, About, Shop, Project, and My Account Pages. Initially the My Account page will be displayed as Login but once the user is logged in, the button will change.

Data Collected: Not Applicable for this page.

Data Displayed: Our Master Page layout with the top navigation menu, brief information about our company, a few pictures, and the latest news for our company and activities displayed.

About Page



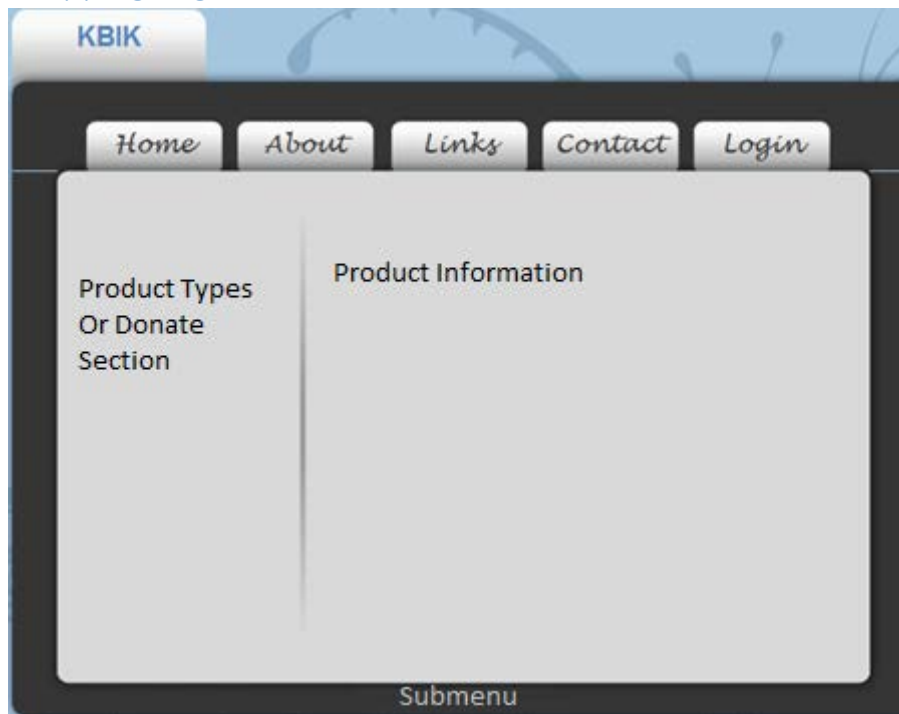
Purpose: The main purpose of the about page is to inform customers about our company and the types of products and services we offer.

Design: The left side of this page will include links to the sub-sections of this site, namely our team, our mission, our services, and a contact information page. This page is based off of the main MasterPage layout highlighted on our Home Page

Data Collected: Not Applicable for this page.

Data Displayed: The data displayed will depend upon the submenu selected. A customer will either be able to display information about our team, our company, our mission, our services, or address/phone/email contact information.

Shopping Page



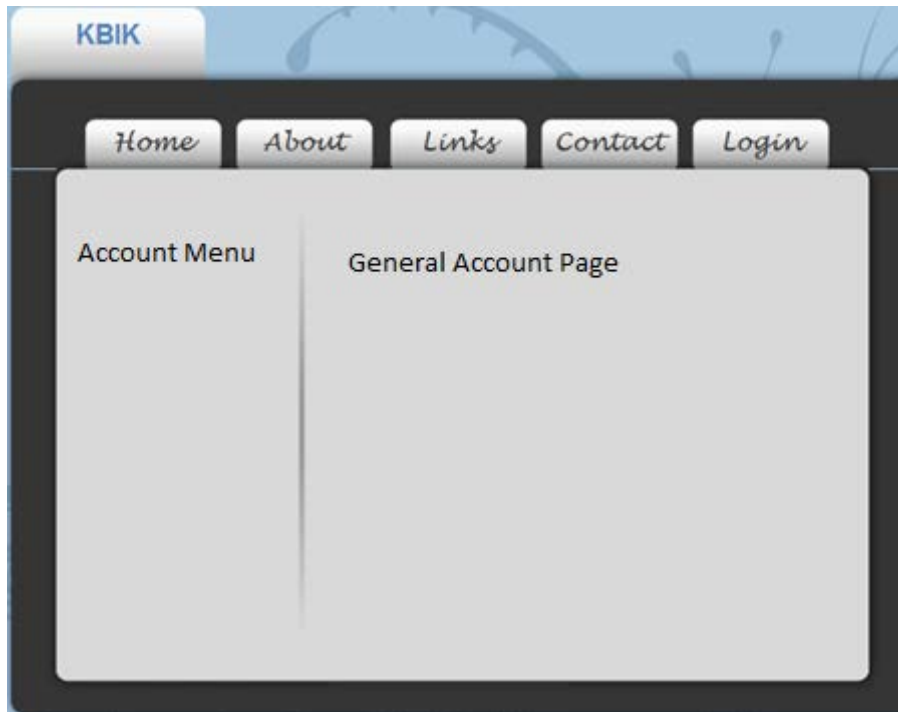
Purpose: The purpose of this page is to Display our products.

Design: This page will draw its design from the MasterPage file shown on the Home Page. When the customer first clicks on the Shop page, they will be taken to a page that displays the product subtypes on the left side of the page and some of our highlighted products in the main portion of the page. When a subsection is selected, the Product information section will change to display the products in that category. When a customer selects a product, the product information page will again change to display the specific product's information. The left side of the page will, finally, also display an option to donate without purchasing for those who are especially interested in supporting our cause. The bottom submenu will also display, once the user logs in, links to the shopping card and check out options.

Data Collected: User-clicks will be collected and the responses will be saved into a session so the site will be able to properly display the selected product's information. If an item is selected, this will also be recorded in the session variable.

Data Displayed: Product information, an overview of each section's products, or the option to donate without purchasing a product depending on the user's selection.

My Account



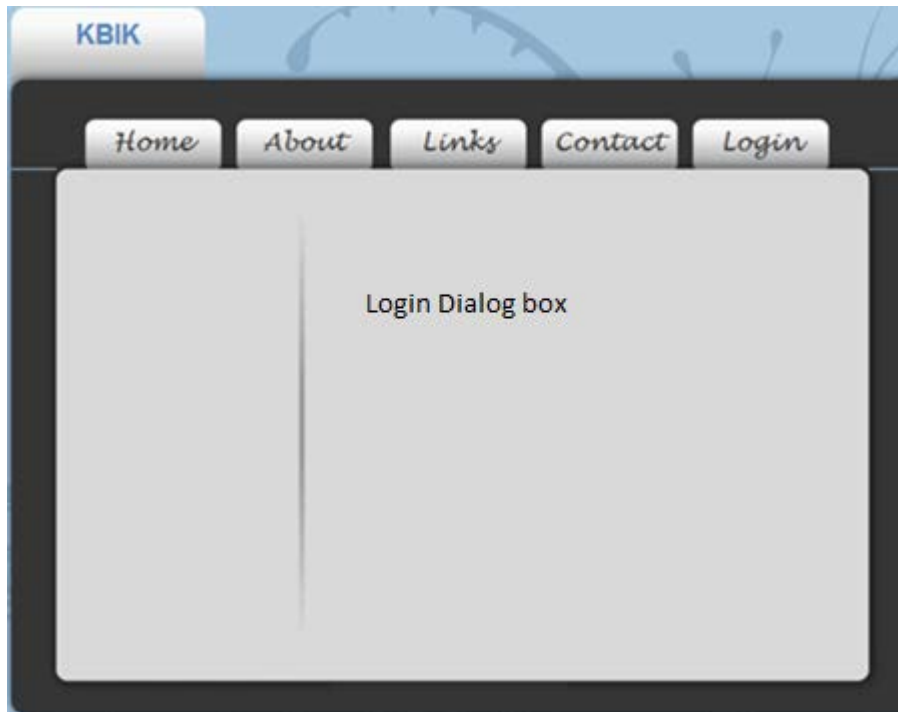
Purpose: This page will display the user's account options and allow editing where applicable.

Design: This page will draw on a variation of the Masterpage displayed on the home page and located in the Accounts directory of the site. The left side of the page will display account options, such as mailing address, orders, user information, payment information and other options to allow the user to view and edit their account information where applicable. The content displayed in the General Account section will differ based on the options the user has selected.

Data Collected: User's selections into a session variable so that the page can display the correct information.

Data Displayed: A user's shipping, payment, or general account information depending on user's selections.

Login



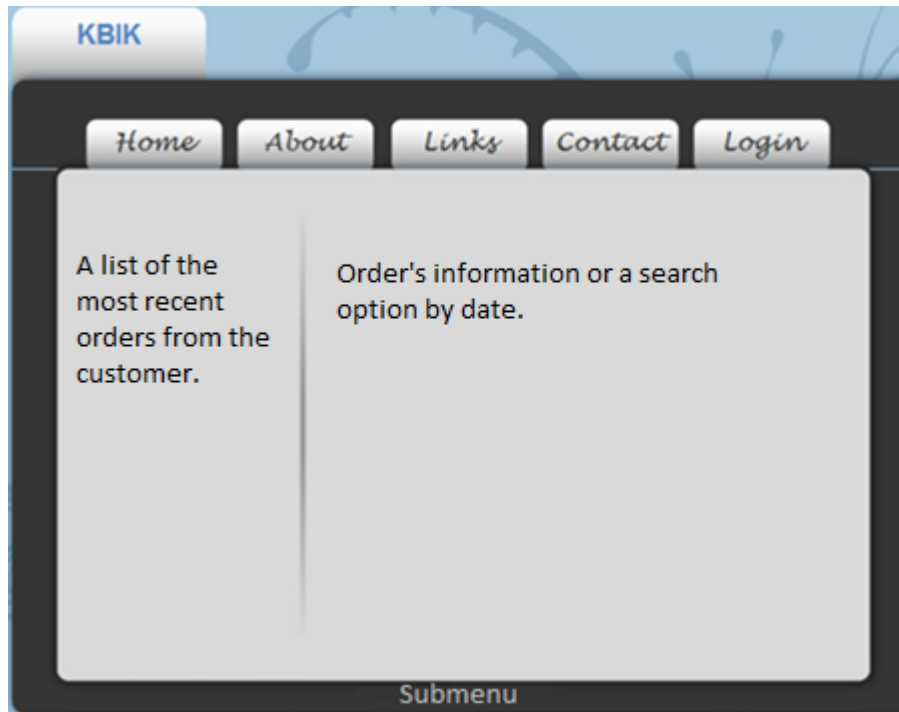
Purpose: This page will allow the user to log into our site.

Design: This page will draw on the MasterPage displayed on the home page. The main design feature of this page is the login form, which will allow a registered user to log in to the site. We will also provide links for non-registered users to register as well as a “forgot password” option for users who have misplaced their passwords.

Data Collected: Username and password, which will be compared against the database.

Data Displayed: If the user does not correctly log in, a dialog will be displayed with phrasing similar to “Unable to log you in, please ensure your password and username are entered correctly”. If the user does log in correctly, they will be redirected to the “My Account” page.

Purchase History



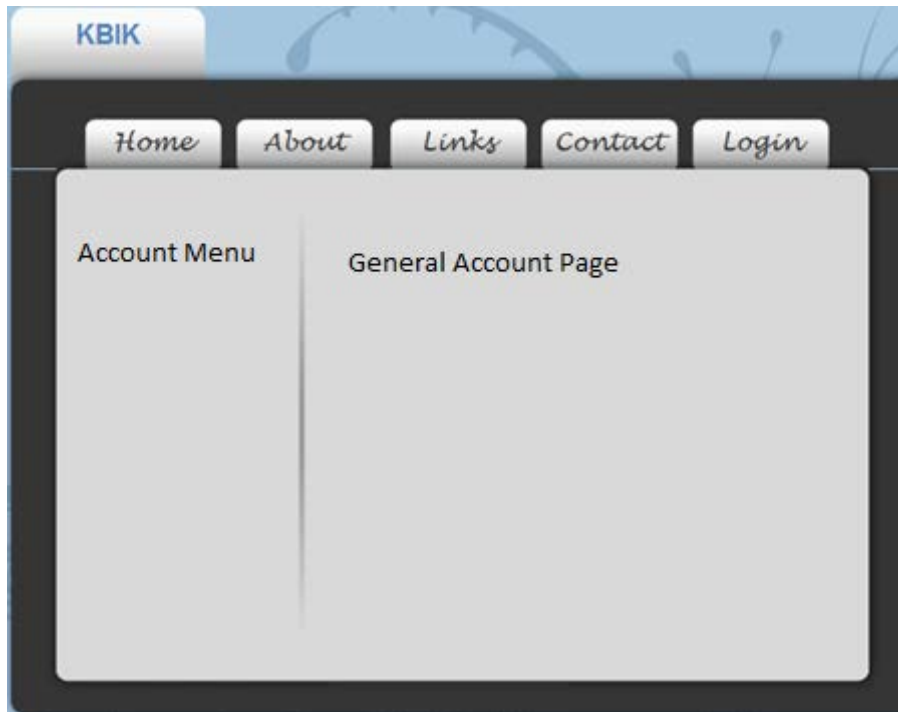
Purpose: This page is a SubPage for the My Account section and will allow a customer to view their past purchases.

Design: This page will draw on a variation of the Masterpage displayed on the home page and located in the Accounts directory of the site. The left side of the page will display a calendar with dates in bold that a customer has placed orders on. When selected, the orders from a specific date will be displayed on the Order Information portion of the page. If there are multiple orders, the user will be able to select the order by clicking the link. The user will be able to print these orders by clicking the “print friendly” option.

Data Collected: User selections into a session variable so that the page can display the correct order information.

Data Displayed: A user’s order information, as specified by date and, if applicable for multiple orders, user selection.

Registration Page



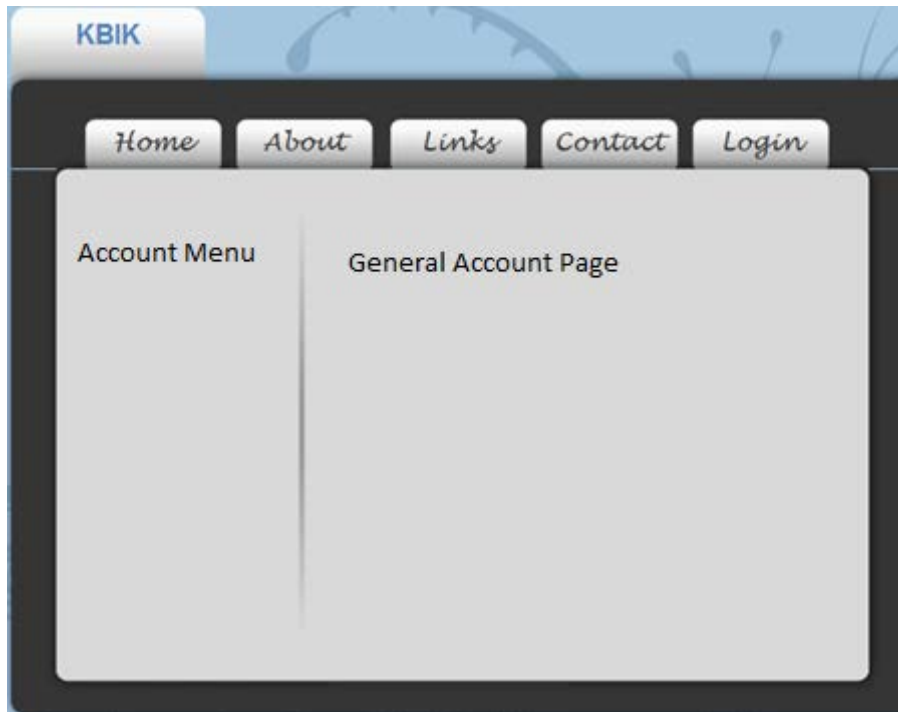
Purpose: This page will allow any non-registered user or customer to register so that they can purchase products or services.

Design: This page will draw its design from the Masterfile shown in the Home page of the site. When a user attempts to log into the site they will also be provided the option, if they have not done so, to register for the site. If a user enters an invalid username and password they will also be asked if they have registered with the option to redirect to this page. Once on this page the user will need to fill out the information provided, such as name, email, password, shipping information, and payment information, which may also be left blank and filled in later. Once submitted the user's information will be submitted to the database for storage.

Data Collected: User information such as Name, email, password, shipping information, and payment information.

Data Displayed: A general form to supply required information, with built in validators to ensure the data entered is of the correct format.

Shipping Info



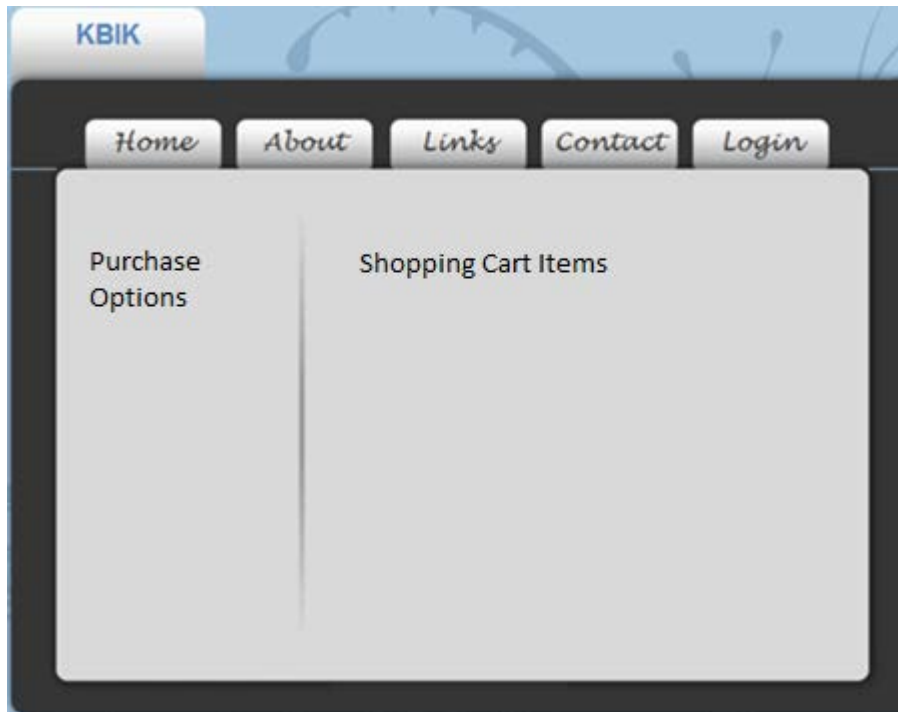
Purpose: This page is a SubPage for the My Account section and will allow the user to view and edit their shipping information.

Design: This page will draw on a variation of the Masterpage displayed on the home page and located in the Accounts directory of the site. When the user first enters this page they will be shown all of their current information, with a link to edit this information at the bottom. If the user chooses to edit their information, this page will execute an update query to the database with the supplied information.

Data Collected: User's input for any corrected shipping information, which will be sent to an update query in the database.

Data Displayed: User's current shipping information with the option to edit any applicable information.

Shopping Cart



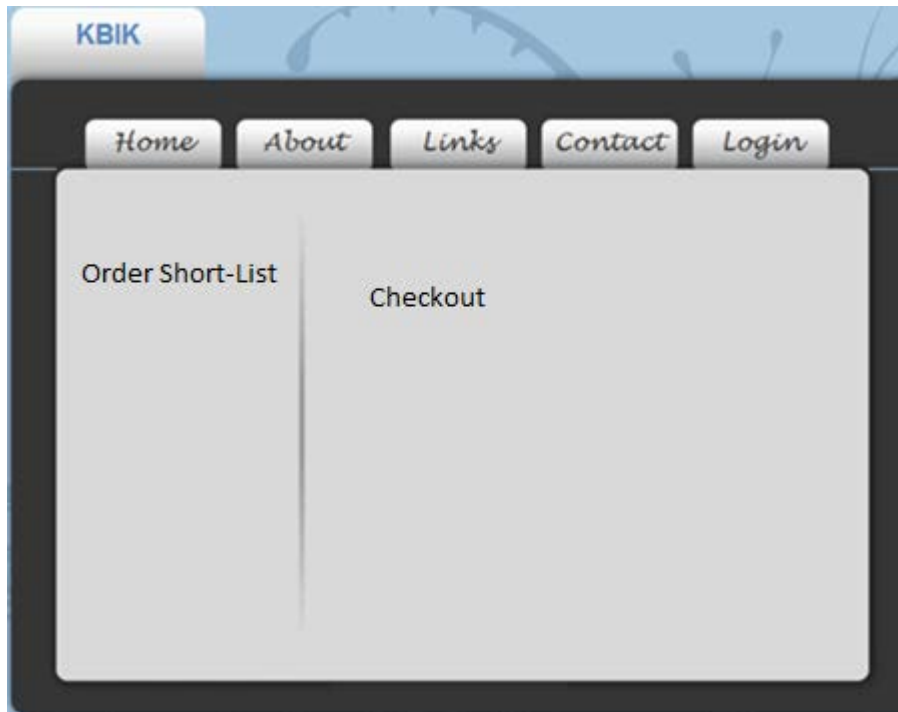
Purpose: The purpose of this page is to display any items selected for purchasing by the user.

Design: This page will draw on the same MasterPage used for the Home page of the site. When a user selects this page they will be shown any items selected for purchasing, as well as their quantities in the Shopping Cart Items portion of the page. The user will also have the ability to change item quantities, delete items from the cart, clear the cart, or submit their order. The user will also be able to proceed to their account by clicking a link on the left hand side to change payment or shipping information, though they will also be prompted to change these by clicking submit.

Data Collected: Any changed quantities will be updated in the session variable.

Data Displayed: Items a user has selected.

Purchase



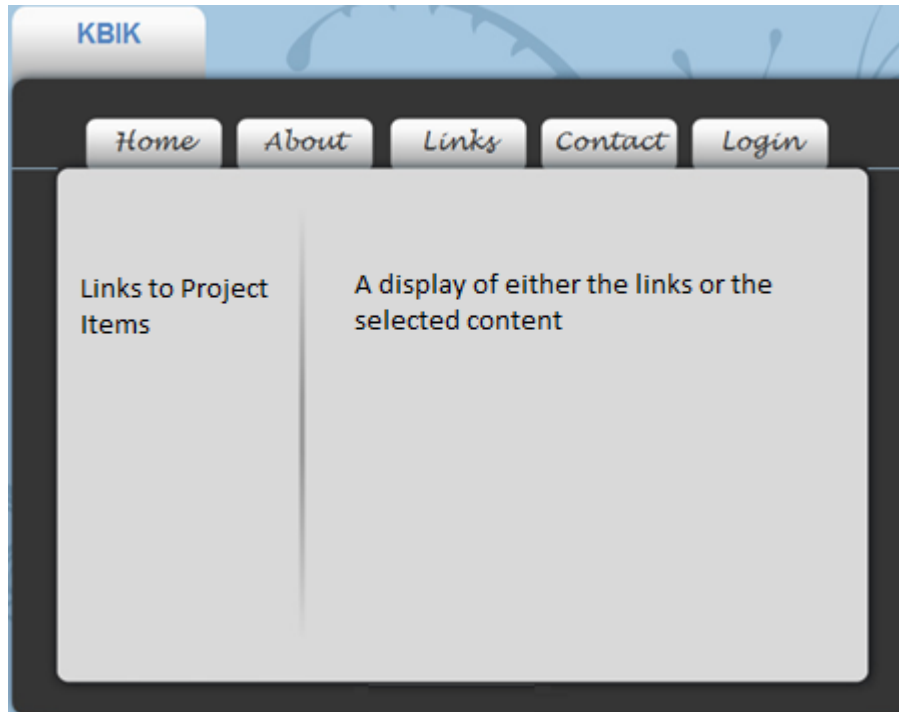
Purpose: The purpose of this page is to allow a user to purchase items from the site.

Design: This page will draw on the same MasterPage used for the Home page of the site. When a user clicks the submit button on the Shopping Cart page the user will be directed to this page. On the left a short-list of all items ordered and the total for the items will be selected, as well as a shipping calculator for the user's benefit. The right portion of the site will allow the user to correct any billing and shipping information or use the stored values, which are pre-populated into the page. The CVV code of the card must ALWAYS be entered. When the user clicks Finalize Order on this page the order will be submitted and the user will be directed to a "Thank You" page with a short list containing the estimated packaging date, their total, the order number, and will also send a quick email to the user with this information as well.

Data Collected: Any Corrected purchasing information, as well as all items the user has selected.

Data Displayed: A short-list of ordered items, their total, and a checkout form for the user.

Project Page



Purpose: The purpose of this page is to display the different portion of our project and is strictly for BCIS 4720 and not a portion of our business itself.

Design: This page will draw on the same MasterPage used for the Home Page of the site BUT the page itself will not appear on the toolbars or links of this site. The project page can only be accessed by going to the Project.aspx file from the main directory of this site. On the left hand side will populate a list of our project items, which will direct the user directly to these items. The right side of the page, however, will display a quick snippet about the purpose, scope, and final grade of this project.

Data Collected: None

Data Displayed: As specified in the Design.