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COSC 304 Lab 5

Store : Ski retail store

Mission statement :

Our mission is to fuel your passion for winter sports by providing the highest quality ski equipment and gear. We are dedicated to enhancing your skiing experience, whether you're a seasoned pro or a first-time skier, by offering a curated selection of top-tier products and expert guidance.

Our commitment is to create a one-stop destination for skiers of all levels, where they can find the latest innovations, reliable gear, and expert advice to conquer the slopes. We aim to inspire, educate, and support our customers, ensuring they have the best equipment to ride the slopes.

With an unwavering dedication to customer satisfaction, we promise to deliver exceptional service, unbeatable product knowledge, and a seamless online shopping experience.

Executive summary :

**Introduction:** We strive to be a dynamic and customer centered ski equipment store, dedicated to enhancing the skiing experience of enthusiasts and adventurers. Founded by a team of passionate skiers, our store caters to individuals of all skill levels, offering a comprehensive range of high-quality ski equipment and gear.

**Goals** :

* Getting customers the right gear – from the start.
* Offering the highest quality ski equipment and gear to ensure safety and enjoyment on the slopes. We
* Have a friendly and knowledgeable staff provide expert advice and product knowledge to assist customers in making informed decisions.
* Providing bootfitting and ski tuning and waxing services.
* Fostering a sense of belonging and shared enthusiasm among skiers.
* Offering convenience and a wide selection, supported by a team of passionate skiers.

Future Targets :

* Expand our product line to include snowboard equipment.
* Offer a selection of hiking shoes, boots, shells during the summer.

2. System Features

Development Project Features List Template

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Final Overall System Features** | **Category** | **Possible Points** | **Points** | **Comments / Code Files** |
| **Documentation (15 total points)** | | | | |
| Executive Summary (up to 1 page) | Core | 2 |  |  |
| System Features (2 pages) | Core | 2 |  |  |
| List of Web and AI sources used | Core | 3 |  |  |
| Walkthrough with screenshots (up to 15 pages) | Core | 8 |  |  |
|  | | | | |
| **Hosting (10 total points)** | | | | |
| Running on cloud server | Advanced | 10 |  |  |
|  | | | | |
| **Main/Home Page (up to 14 total points)** | | | | |
| Search for a product by name | Core | 1 |  | y |
| Browse products by category | Core | 1 |  | y |
| List products (by search/browse) | Core | 1 |  | y |
| List products with image | Core | 1 |  | y |
| Page header with menu | Basic | 1 |  | y |
| Page header shows current logged in user | Basic | 1 |  | Y |
| Dynamic products on page based on sales | Basic | 2 |  |  |
| Improved UI (user-friendly, images, etc.) | Basic | 2 |  | y |
| Product recommendation based on user | Advanced | 4 |  |  |
|  | | | | |
| **Shopping Cart (up to 8 total points)** | | | | |
| Add to shopping cart | Core | 1 |  | Y |
| View shopping cart | Core | 1 |  | y |
| Update quantity (with data validation) | Basic | 1 |  | Y |
| Remove item from shopping cart | Basic | 1 |  | Y |
| Improved formatting/UI (e.g. in header bar) | Basic | 1 |  | Y |
| Cart stored in database between sessions | Basic | 3 |  | a |
|  | | | | |
| **Checkout (up to 9 total points)** | | | | |
| Checkout with customer id | Core | 1 |  | Y |
| Checkout with payment/shipment info | Basic | 2 |  | Y |
| Checkout with data validation | Basic | 2 |  | Y |
| Multiple shipments per order supported | Advanced | 2 |  | Note: Requires DB change. |
| Calculate taxes/shipping (by items/state) | Advanced | 2 |  | Note: Requires DB change. Y |
|  | | | | |
| **Product Detail Page (up to 2 total points)** | | | | |
| Product detail page and item description | Core | 1 |  | Y |
| Product detail has an image from database | Core | 1 |  | Y |
|  | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **User Accounts/Login (up to 12 total points)** | | | | |
| Create user account page | Basic | 2 |  | y |
| Create account with data validation | Basic | 2 |  | Y a |
| Edit user account info (address, password) | Basic | 2 |  | a |
| Login/logout | Core | 1 |  | y |
| Register user/Forgot password email | Advanced | 4 |  |  |
|  |  |  |  |  |
| Page listing all orders for user | Core | 1 |  | y |
|  | | | | |
| **Product Reviews (up to 5 total points)** | | | | |
| Ability to enter a review on a product | Basic | 2 |  | y |
| Display product review on product detail page | Basic | 1 |  | y |
| Restrict to one review per user on item purchased | Advanced | 2 |  | y |
|  | | | | |
| **Warehouses/Inventory (up to 5 total points)** | | | | |
| Display item inventory by store/warehouse | Basic | 2 |  |  |
| Edit item inventory by store/warehouse | Advanced | 3 |  |  |
|  | | | | |
| **Administrator Portal (up to 19 total points)** |  |  |  |  |
| Secured by login | Core | 1 |  | Y |
| List all customers | Core | 1 |  | Y |
| List report showing total sales/orders | Core | 1 |  | Y |
| Report with a graph | Advanced | 3 |  |  |
| Add new product | Basic | 2 |  | a |
| Update/delete product | Basic | 2 |  | a |
| Change order status/ship order | Basic | 1 |  | A I’ll do it later sometime |
| Upload a photo to file system for product | Advanced | 2 |  |  |
| OR: Upload a photo to database for product | Advanced | 4 |  |  |
| Database restore with SQL script | Basic | 2 |  | y |
| Add/update warehouse, customer | Basic | 2 |  |  |
|  |  |  |  |  |
| **Database System/General** |  |  |  |  |
| Implement some validation using triggers | Advanced | 2 |  |  |
| Use AJAX for some pages | Advanced | 4 |  |  |
| User interface and navigation/usability |  | Up to 5 |  |  |
| *Others (your suggestions)* |  | Up to 5 |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| **Total: (out of 50 with maximum of 10 bonus marks. i.e. 60 points out of 50 is max.)** |  |  |  |  |

3. Project Walkthrough

The website is hosted at :

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|  |  |
| --- | --- |
| Homepage  When you first enter the website, you will find yourself at the homepage, with links to a lot of different web pages. A user who isn’t logged in may view the list of products, but when they try to add a product to the shopping cart, or click on any other link, they’ll be prompted to log in. |  |
| Create Account Page  At the log in page, new users will have the option to create an account.  They must pick their own user ID and password, however, the User ID must not already be taken. |  |
| Login  Users use their username and password to log in to the website. Once logged in, their username is displayed on the top right throughout the website. |  |
| Product List  The complete list of products sold on the website are displayed here along with the price. Click on any product name to see further details. The ‘Add to Cart’ option directly adds the item to the shopping cart. |  |
| Shopping Cart  Users are taken to their shopping cart every time a new item is added. Otherwise, it can be accessed at any time by clicking on the Cart option from the header.  Depending on the state the user is registered in, the appropriate taxes are applied to the users items. For example, for a user in BC, PST and GST will be applied, whereas a resident of Alberta will only see the GST.  Users can remove items from the cart by clicking on the corresponding link. They can also change the quantity of products by typing in the required amount and selecting update Quantity. |  |
| Check Out  After adding some items to your cart, click on Check Out to process your order.  This displays an order receipt including your items, total including tax and your order ID. |  |
| Customer Order List  Clickin on the Orders link in the header, takes the user to their order history. Here they can see all of their orders. |  |
| Customer Portal  The Customer can go into the customer info page using the Customer Into link in the homepage or by clicking on their userid in the header.  This page displays all customer information.  They can change their email at any time by simply typing it in and clicking the Update button. |  |
| Review  Customers are encouraged to leave reviews on the items they purchased by clicking on the Feedback button in the customer page.  Only products they have purchased can be selected from a drop down list. They may also select an appropriate rating as well as leave a comment before publishing the review. This review gets added to the review on the product page.  Each customer may review a product only one time. Subsequent reviews about the same product aren’t published. |  |
| Administrator Portal  Inside the portal, the administrators can access a variety of tools and functions. This page is accessed by the link in the homepage and checks login.  The admin page displays total sales per day in tabular form.  The administrator can Reset the Database at any time by clicking on that link. |  |
| Admin Order List  Here the administrator can view the complete list of orders by all customers. |  |
| Admin Customer List  This page contains the list of all customers registered in the website as well as their details. |  |