**Rat Grocery**

Group 31: Eric Harrison, Chase Winslow

**Link to github repository:** <https://github.com/EricHarrison72/Ratlab>

Project needs to be run locally, for regular user: bobby (pw: 304Bobby!), for admin user: arnold (pw: 304Arnold!)

**Mission Statement:** “Our mission is to deliver the most satisfying rodents to you.” All over the world people lack a good rodent to accompany them. Your problem meets our solution, with Eric’s Rat Grocery you can have the best rodents in the world delivered to your doorstep. Do you have a noticeable lack of rodents in your beautiful home, well how about purchase the creature that brought the black plague to us. With Eric’s Rat Grocery your lonely can be over and your neighbourhood cats won’t go hungry.

**Executive Statement:**

Eric’s Rat Store specializes in offering a wide variety of rats for many different uses. These different types include pets, pests, wild, food consumption, and unethical testing of products. We at Eric’s Rat Store strive to satisfy the demands of our clients while encouraging sustainable interactions with these adaptable rodents, all while upholding a commitment to the quality of our product.

What we offer:

We provide a wide range of carefully selected rat breeds in our extensive product catalogue to meet the diverse needs of our customers. We provide a variety of solutions to meet a range of demands, from family pets to those fit for scientific testing, and pest control, as well as those select few who may enjoy eating rats on special occasions.

Pet Rats:

For those in need of a new house pet look no further than our very own pet rats. These rats have been bred to live perfectly inside the modern house and are wonderful with kids. We encourage you to avoid this type of rat if you own a house cat.

Pest Control Rats:

Our carefully trained rats provide an ecologically friendly alternative to conventional techniques for pest management. These rats use their innate talents to manage harmful pests in an eco-friendly and efficient manner.

Test Subject Rats:

You never want to test a new product on a human, but why not a rat? These rats have been proven as great test subjects for products meant for human use and 100% do not mind the unethical practice. These rats use their innate talents to manage harmful pests in an eco-friendly and efficient manner.

Wild Rats:

These rats are great for those who live in rural areas with lots of outdoor space. If you ever find your farm cat getting too lazy just release a family of wild rats. Our wild rats are experts at burrowing and can make a quiet old barn feel lived in.

Dedication to Ethical Conduct:

Maintaining the greatest standards of animal care and moral behaviour is a priority for Eric's Rat Shop. Our testing and pest control rats receive compassionate treatment, and our pet rats grow up in stimulating circumstances. There is a strong emphasis on responsible ownership and promoting education about how to manage and care for rats in different situations.

Sustainability and Responsibility:

We understand our social and environmental responsibilities. Our distribution and sourcing procedures use sustainable practices in an effort to reduce our environmental impact. In conclusion, Eric's Rat Shop has the potential to emerge as a top resource for those looking to buy rats for food, wildlife, testing, pets, or pest management. Meeting the many demands of our community is something we look forward to doing with a dedication to quality, integrity, and customer happiness.

**System Features:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Final Overall System Features** | **Category** | **Possible Points** | **Points** | **Comments / Code Files** |
| **Documentation (10 total points)** | | | | |
| Executive Summary (up to 1 page) | Core | 2 | 2 |  |
| System Features (2 pages) | Core | 2 | 2 |  |
| List of Web and AI sources used | Core | 3 | 3 |  |
| Walkthrough with screenshots (up to 15 pages) | Core | 6 | 6 |  |
|  | | | | |
| **Main/Home Page (up to 14 total points)** |  |  |  |  |
| Search for a product by name | Core | 1 | 1 | listprod.jsp |
| Browse products by category | Core | 1 | 1 | listprod.jsp |
| List products (by search/browse) | Core | 1 | 1 | listprod.jsp |
| List products with image | Core | 1 | 1 | product.jsp |
| Page header with menu | Basic | 1 | 1 | HTML on all pages |
| Page header shows current logged in user | Basic | 1 | 1 | it sure does |
| Improved UI (user-friendly, images, etc.) | Basic | 2 | 2 | Very pretty |
|  |  |  |  |  |
| **Shopping Cart (up to 8 total points)** |  |  |  |  |
| Add to shopping cart | Core | 1 | 1 | listprod.jsp |
| View shopping cart | Core | 1 | 1 | showcart.jsp |
| Update quantity (with data validation) | Basic | 1 | 1 | showcart.jsp |
| Remove item from shopping cart | Basic | 1 | 1 | showcart.jsp |
| Improved formatting/UI (e.g. in header bar) | Basic | 1 | 1 | yup |
|  |  |  |  |  |
| **Checkout (up to 9 total points)** | | | | |
| Checkout with customer id | Core | 1 | 1 | checkout.jsp |
|  |  |  |  |  |
| **Product Detail Page (up to 2 total points)** |  |  |  |  |
| Product detail page and item description | Core | 1 | 1 | product.jsp |
| Product detail has an image from database | Core | 1 | 1 | product.jsp |
|  |  |  |  |  |
| **User Accounts/Login (up to 12 total points)** | | | | |
| Create user account page | Basic | 2 | 2 | register.html |
| Create account with data validation | Basic | 2 | 2 | processRegistration.jsp |
| Edit user account info (address, password) | Basic | 2 | 2 | customer.jsp |
| Login/logout | Core | 1 | 1 | login.jsp/logout.jsp |
|  | | | | |
| **Product Reviews (up to 5 total points)** |  |  |  |  |
| Ability to enter a review on a product | Basic | 2 | 2 | product.jsp/  processReview.jsp |
| Display product review on product detail page | Basic | 1 | 1 | product.jsp |
| Restrict to one review per user on item purchased | Advanced | 2 | 2 | processReview.jsp |
|  |  |  |  |  |
| **Warehouses/Inventory (up to 5 total points)** |  |  |  |  |
| Display item inventory by store/warehouse | Basic | 2 | 2 | product.jsp |
|  |  |  |  |  |
| **Administrator Portal (up to 19 total points)** |  |  |  |  |
| Secured by login | Core | 1 | 1 | admin.jsp |
| List all customers | Core | 1 | 1 | admin.jsp |
| List report showing total sales/orders | Core | 1 | 1 | admin.jsp |
| Add new product | Basic | 2 | 2 | admin.jsp/  processAddProduct.jsp |
| Update/delete product | Basic | 2 | 2 | updateProducts.jsp / editProduct.jsp / removeProduct.jsp |
|  |  |  |  |  |
| **Database System/General** |  |  |  |  |
| User interface and navigation/usability |  | Up to 5 | 5 | Nice header with buttons to all important pages, simple easy to read style |
| *Others (your suggestions)* |  | Up to 5 |  |  |
|  |  |  |  |  |
| **Total: (Out of 50 with a maximum of 60)** |  | 60 | 55 |  |

**Walkthrough from customer perspective:**

|  |  |
| --- | --- |
| This is the main page users find when they first open the Rat Grocery. |  |
| Upon clicking either “Begin Shopping” or the shop button in the header, users are greeted with a list of all the wonderful products we sell. They also have the glorious option to limit searches by category, or search directly by name. |  |
| You can also click on the product’s name to get a more detailed description with pictures of the product. Users can add items to cart either from this page, or directly from the product list. |  |
| Scrolling down on the same product page, users can view reviews on the product. Only if the user is logged in on an account that has not yet posted a review can they leave a review of their own. |  |
| Hitting either of the add to cart buttons brings you to this page. Where you can view all items in your cart, with a total price for the cart as well as each product. Users can also adjust the quantity and remove anything from the cart. |  |
| After clicking the Check Out button, users must know they customer ID to place the order. |  |
| Once an order is places users will be brought to this page, where they can view the order summary. The summary includes total price the order, with an itemized list below, the orders reference number, and the customer’s information. |  |
| Users can access the order list either from the header, or the main page. Here they can find a detailed list showing all orders previously placed by any user. |  |
| Customers also have the ability to login to the website with the login button, available on the right side of the header. |  |
| From the login page users can also find the Create Account button in the header, which takes them to this page. Here they’re required to fill in all boxes which saves their information to the database. |  |
| After a user has logged in it will return them to the main page, where they can now access the Customer Info page, and (only if their account has admin access) the Administrators page. |  |
| The Customer Info page provides the user with all the information about the account they’re logged into, as well as giving them the ability to change everything except their username. |  |
| Should users want to change their password, they must input their old password as well as confirm their new one. |  |
| If the user has admin access they can go to the Administrators page. Here they can view a list of all customers, as well as a table showing the websites order history by day. |  |
| Scrolling down on the administrator page, Admin’s also have the ability to add new products to the Database, which will automatically be shown on the product list afterwards. They can also go to the update products page where they can update information about each product. |  |
| Upon clicking the Update Products button, admins are taken to a page showing a list of all current products, with an edit and remove button where they can either edit or remove each product. |  |

**Sources:**

<https://stackoverflow.com/questions/218384/what-is-a-nullpointerexception-and-how-do-i-fix-it> <https://stackoverflow.com/questions/6437705/jsp-session-getattribute-value-return-null>

Update Product: <https://chat.openai.com/share/169b1d27-c1ee-499c-8c1c-7151f2a754df>

Change Password: <https://chat.openai.com/share/515443d2-20f9-41c0-b10a-b111013b9b3e>

Update Customer: <https://chat.openai.com/share/b6d72b4b-b7f5-4e3c-a65e-3eb17c86c223>

List Products by Category: <https://chat.openai.com/share/9c45d1d1-d640-47f6-9cdf-4a5a2790c03f>