



TheDinosaurCompany

YOUR DINOSAUR SUPPLIER

## **Final Design Document**

**University of British Columbia Okanagan**

**COSC 304: Introduction to Databases**

**November 30, 2018**

**Team Members:**

Removed

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# 1 Introduction

## 1.1 Mission Statement

We at TheDinosaurCompany aim to provide our customers with the amazing lifetime opportunity of owning a living, breathing, totally real dinosaur. Our diverse catalog ensures you will find the right dinosaur for you.

## 1.2 Purpose of Document

This document aims to provide the foundational structure of TheDinosaurCompany's website by defining our data model through UML diagrams and SQL DDL code. In addition, this document will provide an illustrated user walk-through and will discuss our website's features and interfaces.

## 1.3 Executive Summary

Dinosaurs have been endangered and threatened by human existence for years. Unfortunately, society, through the use of propaganda and media, has portrayed dinosaurs as a wild and dangerous species. Thus there has been an ongoing effort to sustain the existence of dinosaurs and integrate them within human society. The goal of TheDinosaurCompany is to facilitate this effort by allowing individuals to purchase or 'adopt' a premium dinosaur from our collection here at Jurassic Park.

We have a wide variety of dinosaurs for the consumer to choose from. In an attempt to match each dinosaur and consumer with a perfect fit, users can browse our catalogue by ordering on attributes such as price, or filtering on attributes such as species, gender, or era. All dinosaurs are listed with an image, specific details including a description about their personalities, and the price.

To order a dinosaur, the user must have an account with TheDinosaurCompany. To create an account, the user must provide their full name, address, phone number, and set a password. The customer then uses their email and password to log into our site. Once the customer has selected their dinosaur(s), they are added to their cart. Shipment is then determined based on the size and type of the dinosaur as well as the number of handlers required to safely deliver the dinosaur right to your doorstep.

# 2 Domain Assumptions

## 2.1 Customer

- 1) Customer is identified by a unique auto-incrementing number that has no meaning to them.
- 2) Customer's address is their shipping and billing address.

- 3) Phone number must be a Canadian number (10 digits long) which includes the area code (+1).
- 4) Password security is at the customer's own risk. Passwords must be less than 15 characters.
- 5) Addresses and emails will not be validated. Assume that correct addresses and emails are entered by the customer.
- 6) Admin boolean is true if the customer is an administrator, and allows the user to have extra functions

## 2.2 Jurassic Park

- 1) The pid uniquely identifies each park.
- 2) There are multiple parks, each with various dinosaurs according to their era or living conditions (ex. marine).

## 2.3 Species

- 1) Dinosaur species have a diet that is either herbivore, carnivore, or omnivore.
- 2) Dinosaur species must be from a particular era: either Jurassic, Triassic, or Cretaceous.
- 3) The tranquilizer strength is ranked on a scale of 1 to 5. High energy or heavy weight dinosaurs will require a greater tranquilizer strength for shipping.
- 4) Species name uniquely identifies a species
- 5) A minimum of two handlers per dinosaur (based on their species) is required for shipment.

## 2.4 Dinosaur

- 1) Dinosaur price cannot be greater than \$99,999,99.99.
- 2) Available indicates whether a particular dinosaur is available to be ordered. Unavailable means that it has already been sold.
- 3) Picture is the address of the image to upload.

## 2.5 Orders

- 1) A dinosaur can only be in one order, since it can only be ordered once. If a dinosaur is ordered, it becomes unavailable to all other carts, and does not appear in the catalogue.
- 2) The total price includes the sum of each dinosaur price and its shipping price. It cannot exceed \$9,999,999,999,999.99.
- 3) An order is associated with one customer ID.

## 2.6 Shipment

- 1) Dimensions of the shipping box will always be 10ft x 6ft x 6ft.
- 2) Shipment ID (sid) uniquely identifies a shipment for.

- 3) Shipdate is the date that the order was shipped (not the date the order was placed), and can only be changed by the admin.
- 4) Shipments only accommodate one dinosaur each.
- 5) Shipped indicates if a dinosaur has been shipped, and can only be changed by the admin.

## 2.7 Credit Card

- 1) Ccname must match the name the credit card is registered in.
- 2) Expiration date must be entered in the form MM/YY.
- 3) Credit card number (cnum) is unique. However, the primary key for credit card is the cnum and Customer(cname) since a credit card cannot exist without a customer.

## 2.8 PayPal

- 1) Account number uniquely identifies a paypal account, along with with the cname of the customer.

## 2.9 Review

- 1) A customer can place one review.

## 2.10 Ordered Product

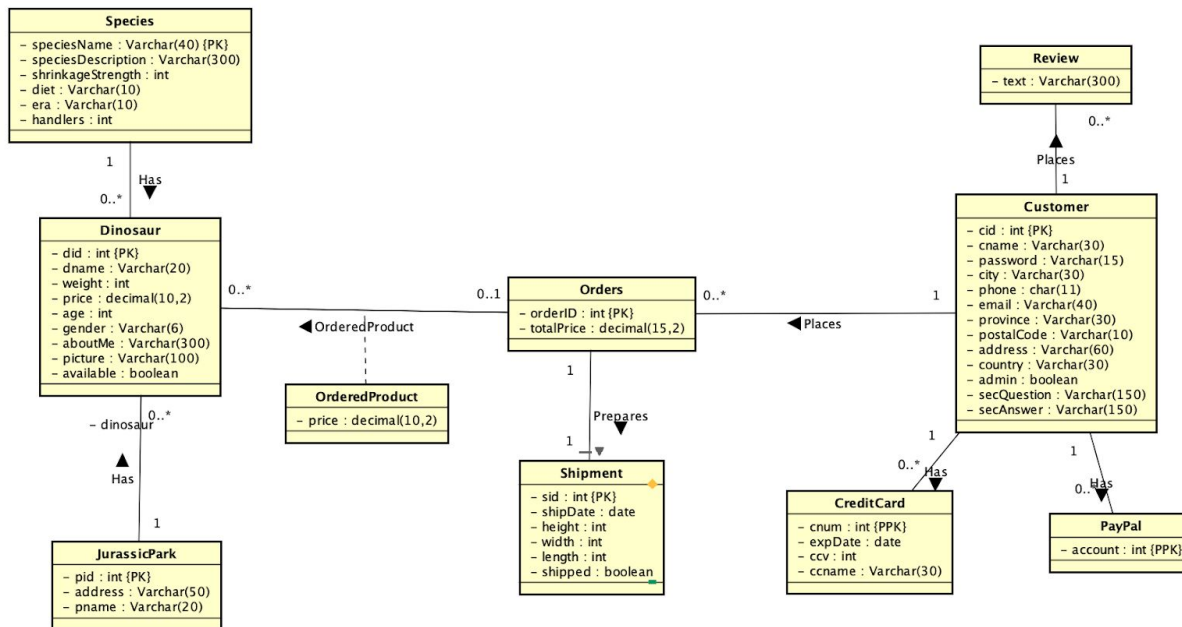
- 1) No domain assumptions.

## 2.11 Review

- 1) Cid refers to the customer who wrote a review.

# 3 Data Model

## 3.1 UML Diagram



## 3.2 Description of UML Diagram

### 3.2.1 Customer

Our customers are individuals who care about dinosaurs and supporting their existence on earth even when the struggle may seem futile, especially when the dinosaur ends their existence on earth. In this case, we guarantee a full refund of purchase and highly recommend life insurance! Customers registered with TheDinosaurCompany must enter a username, which is their email, a password, a full name, and an address (for shipping purposes). Phone is optional. When the customer forgets either their email or password, the security question is used to verify the customer's identity.

### 3.2.2 Payment

Customers may pay for their order with either credit card or PayPal. They may have information for multiple payment methods on their file.

### 3.2.3 Order

An order contains all the dinosaurs a customer is planning to order at a particular time. Order sends all appropriate information to shipment when the order is placed. Ordered product contains a record of every dinosaur that has been ordered.

### 3.2.4 Shipment

Shipment prepares a shipment to a customer that includes everything on their shopping cart as long as it is still available at the time the order is placed.

### 3.2.5 Species

Species is unique for each species, based on the Latin name. It holds a description of each species and contains important shipping information such as shrinkage strength (rated on a scale of 1 to 5) and number of handlers. The shrinkages are to bring the dinosaur down to an appropriate size for shipping in a 10ft x 6ft x 6ft crate. Handlers are the number of human handlers needed to safely transport a dinosaur. For example, brontosauri are easy going so they only need two handlers, but a tyrannosaurus rex can get violent when it is hungry or cranky, so eleven handlers are necessary. A minimum of two handlers per dinosaur is required (good to have extra in case some get stepped on).

### 3.2.6 Dinosaur

Each dinosaur is unique, and is identified by its did. However, our dinosaurs are not just a number; they have a name, a personality, and a picture that helps paint the true picture of who they are.

### 3.2.7 Jurassic Park

Each Jurassic Park stores dinosaurs. It is where they roam, breed, and grow until they are ordered and shipped to their new owners.

### 3.2.8 Review

A customer can write many reviews regarding its experience with The Dinosaur Company website.

## 3.3 Relational Assumptions

- 1) Customer can have zero to many credit cards and paypal accounts. Each credit card or paypal account may only be linked to one customer.
- 2) Each customer may have multiple orders, but each order is associated with only one customer.
- 3) Dinosaurs in the same order are all shipped separately since they may come from different parks, and trucks only have the capacity to transport one dinosaur.
- 4) An order must have at least one dinosaur, but a dinosaur can only be ordered once.

- 5) A dinosaur must be in one park, but a park may have many dinosaurs. A park may have zero dinosaurs, if all of its dinosaurs have been shipped out.
- 6) A species can have multiple dinosaurs, but a dinosaur can only belong to one species. A species may have zero dinosaurs because we are in the process of expansion and are creating species that we are preparing to sell, but have no dinosaurs of, yet.



## 3.4 SQL DDL

```
CREATE TABLE Customer (  
  cid INTEGER NOT NULL  
  AUTO_INCREMENT PRIMARY KEY,  
  cname VARCHAR(30) NOT NULL,  
  password VARCHAR(150) NOT NULL,  
  address VARCHAR(60),  
  city VARCHAR(30),  
  province VARCHAR(30),  
  country VARCHAR(30) NOT NULL,  
  postalCode VARCHAR(10),  
  phone VARCHAR(11),  
  email VARCHAR(40) UNIQUE NOT NULL,  
  admin BOOLEAN,  
  secQuestion VARCHAR(150) NOT NULL,  
  secAnswer VARCHAR(150) NOT NULL);
```

```
CREATE TABLE JurassicPark(  
  pid INTEGER NOT NULL PRIMARY KEY,  
  address VARCHAR(50) NOT NULL,  
  pname VARCHAR(20) NOT NULL);
```

```
CREATE TABLE Species(  
  speciesName VARCHAR(40) NOT NULL  
  PRIMARY KEY,  
  speciesDescription VARCHAR(300) NOT NULL,  
  shrinkageStrength int,  
  diet VARCHAR(10),  
  era VARCHAR(10),  
  handlers int NOT NULL);
```

```
CREATE TABLE CreditCard(  
  cnum int NOT NULL,  
  cid int NOT NULL,  
  expDate char(4) NOT NULL,  
  ccv int NOT NULL,  
  ccname VARCHAR(30) NOT NULL,  
  PRIMARY KEY(cnum,cid),  
  FOREIGN KEY (cid) REFERENCES  
  Customer(cid)  
  ON UPDATE CASCADE ON  
  DELETE NO ACTION);
```

```
CREATE TABLE OrderedProduct (  
  orderId int NOT NULL,  
  did int NOT NULL,  
  price decimal(10,2),  
  FOREIGN KEY (orderId) REFERENCES Orders (orderId)  
  ON UPDATE CASCADE ON DELETE NO ACTION,  
  FOREIGN KEY (did) REFERENCES Dinosaur(did)  
  ON UPDATE CASCADE ON DELETE NO ACTION);
```

```
CREATE TABLE Dinosaur (  
  did int NOT NULL AUTO_INCREMENT  
  PRIMARY KEY,  
  dname VARCHAR(20) NOT NULL,  
  weight int NOT NULL,  
  price decimal(10,2) NOT NULL,  
  age int NOT NULL,  
  gender VARCHAR(6) NOT NULL,  
  aboutMe VARCHAR(300),  
  picture VARCHAR(100),  
  speciesName VARCHAR(40) NOT NULL,  
  available boolean NOT NULL,  
  pid int NOT NULL,  
  FOREIGN KEY(speciesName)  
  REFERENCES Species(speciesName)  
  ON UPDATE CASCADE ON DELETE NO ACTION,  
  FOREIGN KEY(pid) REFERENCES JurassicPark(pid)  
  ON UPDATE CASCADE ON DELETE NO ACTION);
```

```
CREATE TABLE Orders(  
  orderId INTEGER AUTO_INCREMENT,  
  customerId INTEGER NOT NULL,  
  totalPrice INTEGER NOT NULL,  
  PRIMARY KEY (orderId),  
  FOREIGN KEY (customerId)  
  REFERENCES Customer(cid)  
  ON UPDATE CASCADE ON  
  DELETE NO ACTION);
```

```
CREATE TABLE Shipment(  
  sid int NOT NULL AUTO_INCREMENT,  
  did int NOT NULL,  
  shipDate VARCHAR(10),  
  height int NOT NULL,  
  width int NOT NULL,  
  length int NOT NULL,  
  shipped BOOLEAN NOT NULL,  
  PRIMARY KEY (sid),  
  FOREIGN KEY (did) REFERENCES  
  Dinosaur(did)  
  ON UPDATE CASCADE ON DELETE  
  NO ACTION);
```

```
CREATE TABLE PayPal(  
  account int NOT NULL,  
  cid int NOT NULL,  
  PRIMARY KEY(account,cid),  
  FOREIGN KEY (cid) REFERENCES  
  Customer(cid)  
  ON UPDATE CASCADE ON DELETE  
  NO ACTION);
```

```
CREATE TABLE Review(  
  cid int NOT NULL,  
  text VARCHAR (300),  
  PRIMARY KEY (cid),  
  FOREIGN KEY (cid) REFERENCES Customer(cid)  
  ON UPDATE CASCADE ON DELETE NO ACTION);
```

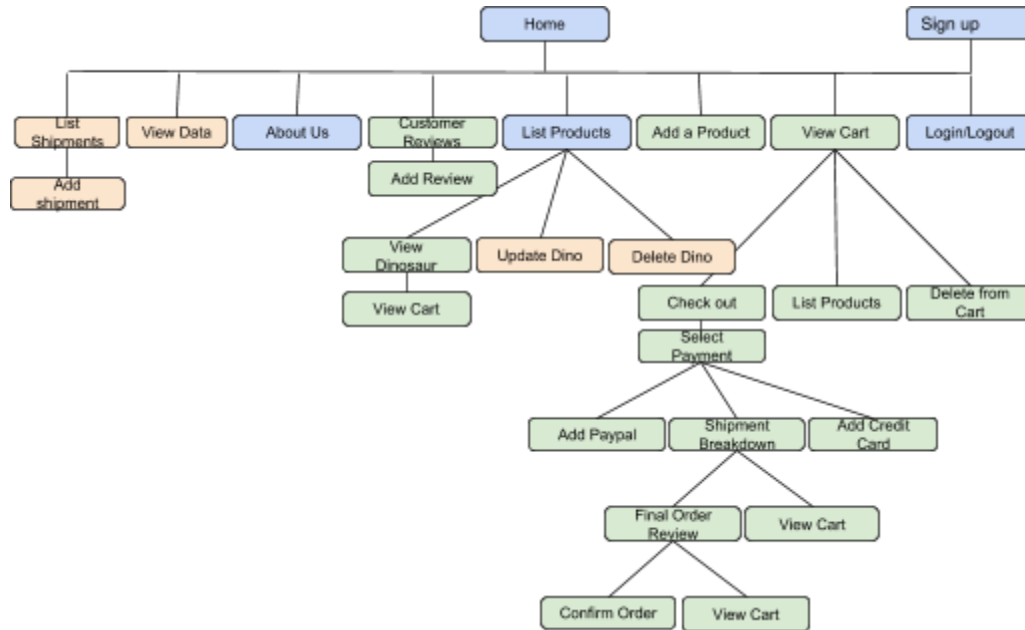
## 4 Site Map and Walk-Through

### 4.1 Site Map

Users not logged in can only view blue pages

Customers logged in can view blue pages and green pages

Administrators logged in can view all pages (blue, green, and orange)



### 4.2 Site Walk-Through

LINK TO SITE: [http://cosc304.ok.ubc.ca/24165152/tomcat/304\\_lab7\\_f/WebContent/shop.jsp](http://cosc304.ok.ubc.ca/24165152/tomcat/304_lab7_f/WebContent/shop.jsp)

ADMIN LOGIN: email: [ramon.lawrence@dino.ca](mailto:ramon.lawrence@dino.ca) password: 100Please



1) View our website, hosted on the cosc304 server.

Home | About/Contact Us | View Customer Reviews | List Products | [Sign Up](#) | [Login](#)

## Sign Up

### Add User Information

Name (First and Last): \*

E-mail: \*

Password: \*

Country: \*

Province/Territory: \*

City: \*

Postal Code: \*

Address: \*

## 2) Sign up as a new customer.

Home | About/Contact Us | View Customer Reviews | List Products | [Sign Up](#) | [Login](#)

Congratulations. You have successfully created an account with The Dinosaur Company. Please login to continue.  
Please take note of your customer id:

9

[Login](#)

## 3) Congratulations on making an account with us! Navigate to the login button to login to your newly created account.

## Login

Username (E-mail):

Password:

Type of User:  Customer  Admin



## 4) Login with the account you just created. Make sure to login as a customer.

## Search for a dinosaur by name:

Search by Era:  Search by Species:  Search by Gender:

Leave blank for all dinosaurs...

### Search Results:

View	Era	Species	Name	Age	Gender	Price	Picture	Update	Delete
<a href="#">View Dinosaur</a>	Cretaceous	<a href="#">Tyrannosaurus Rex</a>	Species Description The name Tyrannosaurus rex means King of the Tyrant Lizards. These fantastic beasts had tiny arms but a powerful jaw and tail that could crush their prey.		10			<a href="#">Update</a>	<a href="#">Delete</a>
<a href="#">View Dinosaur</a>	Cretaceous	Pachycephalosaurius	Derrick	11	male	\$85,000.00		<a href="#">Update</a>	<a href="#">Delete</a>

5) Navigate to List product. Try to hover over a species to see the description. Note that you filter by era, species, or gender or search by a dinosaur name.

Name: Betty



Weight: 600 kg  
 Price: \$6000.00  
 Age: 6 years  
 Gender: female  
 Species: Suzhousaurus  
 About Me: Betty is a playful dinosaur but she has a well-developed attitude and likes a good prank.

[Add to cart](#)

6) Click 'View Dinosaur' to see the detailed description of the specific dinosaur.

## Your Shopping Cart

Dino ID	Dinosaur Name	Price	
6	Betty	\$6,000.00	<a href="#">Delete From Cart</a>
<b>Order Total</b>		\$6,000.00	

[Check Out](#)

[Continue Shopping](#)

7) Add the dinosaur to cart, view your cart, and check out.

## Add a Pay Pal Account

Account: \*

[Add CreditCard](#)

8) As a new user, you will have to enter either a credit card or a Pay Pal account. If you had previously entered a payment method, you could have choose that. You can now go back to purchase more dino's (please), or delete from cart and continue to checkout. If you checkout now, you will see the payment method that you previously added.

Home | About/Contact Us | View Customer Reviews | List Products | List Orders | Hello, Chelsey Hvingelby | View Cart | Logout

## Shipment Cost Breakdown

**Our Cutting-Edge Shrinkage Powers**

In order to safely ship our dinosaurs, we shrink them to fit into a 10ft x 6ft x 6ft crate. Our shrinking powers are top-of-the-line and are safe for the dinosaurs. It's just temporary - only for the dinosaur's shipment. Upon delivery, we return the dinosaurs to their full size. Extra shrinkage power is needed for larger dinosaurs, so it will cost more. Shrinkages cost \$1000 per shrinkage strength level.

The breakdown of shrinkages for your order is written below:

Dinosaur Id	Dinosaur Name	Shrinkage Strength	Cost
6	Betty	2	\$2,000.00
<b>Shrinkage Strength Price Total</b>			\$2,000.00

**Handlers**

Handlers are important for the dinosaur's safety during shipment. They accompany the dinosaur throughout the shipment process, feeding it and caring for it until it arrives safely at your door. They even stay to help you set up your dinosaur at your home, and make sure you understand the proper care instructions. Each dinosaur has a minimum of 2 handlers, but some dinosaurs need more care. Each handler costs \$1000.

The breakdown of the handlers for your order is written below:

Dinosaur Id	Dinosaur Name	Handlers	Cost
6	Betty	2	\$2,000.00
<b>Handlers Price Total</b>			\$2,000.00

**Shipping Costs**

Dinosaurs are a flat rate of \$150 each to ship anywhere in Canada. We transport by ground.

The breakdown of the shipping costs for your order are written below:

9)Continue to Shipment Breakdown, which has costs for shrinkages, handlers, and shipping.

Home | About/Contact Us | View Customer Reviews | List Products | List Orders | Hello, Chelsey Hvingelby | View Cart | Logout

All taxes and shipping information displayed:

**Your Dinosaurs**

Dinosaur Id	Dinosaur Name	Dino Price	Shrinkage Cost	Handlers Cost	Shipment Cost	Dino Subtotal
6	Betty	\$6,000.00	\$2,000.00	\$2,000.00	\$150.00	\$10,150.00
Order Subtotal:						\$10,150.00
Taxes (6%):						\$1,218.00
<b>Order Total</b>						\$11,368.00

Confirm Order

Edit Cart

10) Continue to Final Cart Review.

Home | About/Contact Us | View Customer Reviews | List Products | List Orders | Hello, Chelsey Hvingelby | View Cart | Logout

## Your Order Summary

Dinosaur Id	Dinosaur Name	
6	Betty	
<b>Order Total</b>		\$11,368.00

Order completed. Will be shipped soon...

Your order reference number is: 3

Shipping to customer: 5, Name: Chelsey Hvingelby

11)You can now see your order summary and shipping reference number.

Home | About/Contact Us | View Customer Reviews | List Products | List Orders | Hello, Chelsey Hvingelby | View Cart | Logout

## The Dinosaur Company: Order List

Order Id	Customer Id	Customer Name	Total Amount
3	5	Chelsey Hvingelby	\$11,368.00
		<b>Dinosaur Id</b>	<b>Price</b>
		6	\$6,000.00

12) Navigate to list orders to see all your orders.

Home | About/Contact Us | View Customer Reviews | List Products | List Orders | Hello, Chelsey Hvingelby | View Cart | Logout

## View All Customer Reviews

[Add a Review](#)

Customer's Province	Review
AL	I had an amazing experience while using the website. My dinosaur, Lisa the T-rex, was shipped very fast and in great conditions.
AB	I love my dinosaur, can't thank The Dinosaur Company enough! Amazing website with user interface as well!! :)
NL	I loved by dinosaur!

13) Since you are so happy with our product, you can click on view customer reviews to leave us a review. If you return to view customer reviews, you will find the review you entered.

14) Go ahead and logout, you will be returned to the homepage.

### Login

Username (E-mail):

Password:

Type of User:  Customer  Admin

15) We will now login as an admin. The admin account you can use will be [ramon.lawrence@dino.ca](mailto:ramon.lawrence@dino.ca) with password 100Please. Admin's have the ability to login as either a customer or an admin, so make sure to select admin. You can also try changing the password by clicking forgot password here. You will have to enter your customer cid, which is 6 for this user. You will then have to answer the security question, by typing in 304 as the course number you teach. You can then update your password and will have to login again with the new password.

Home | About/Contact Us | View Customer Reviews | List Products | Add a Product | View Data | List Shipments | Hello, Ramon Lawrence | View Cart | Logout

### Search for a dinosaur by name:

Search by Era: ▾ | Search by Species: ▾ | Search by Gender: ▾

#### Search Results:

View	Era	Species	Name	Age	Gender	Price	Picture	Update	Delete
<a href="#">View Dinosaur</a>	Cretaceous	Tyrannosaurus Rex	Not Lisa	5	female	\$10,000.00		<a href="#">Update</a>	<a href="#">Delete</a>
<a href="#">View Dinosaur</a>	Cretaceous	Pachycephalosaur	Derrick	11	male	\$85,000.00		<a href="#">Update</a>	<a href="#">Delete</a>

16) As an admin, when you navigate to list product, you will also have the option to update or delete a dinosaur.

Home | About/Contact Us | View Customer Reviews | List Products | Add a Product | View Data | List Shipments | Hello, Ramon Lawrence | View Cart | Logout

## Update Dinosaur Information

Fill in the fields you wish to update

Name:

Weight (in kg):

Price:

Age:

Gender:

Species:

Park:

About Me:

- Instructions for importing a picture:
  1. Take a great picture that captures this dino's personality!
  2. Save the image you wish to use into the image folder using either a jpg or png extension. Make sure the name you use to save the picture is unique.
  3. In the below text field, enter in the name of the image you saved, including the extension.

Name Picture Saved As:

17) If you update a dinosaur, you can change any fields, or leave them blank to keep them the same as they were previously.

Home | About/Contact Us | View Customer Reviews | List Products | Add a Product | View Data | List Shipments | Hello, Ramon Lawrence | View Cart | Logout

All taxes and shipping information displayed:

### Your Dinosaurs

Dinosaur Id	Dinosaur Name	Dino Price	Shrinkage Cost	Handlers Cost	Shipment Cost	Dino Subtotal
1	Not Lisa	\$10,000.00	\$4,000.00	\$11,000.00	\$150.00	\$25,150.00
Order Subtotal:						\$25,150.00
Admin Discount (50% off):						-\$12,575.00
Taxes (6%):						\$1,509.00
<b>Order Total</b>						<b>\$14,084.00</b>

18) As an admin, you can purchase dinosaurs the same way we did as a customer. You will notice that admins receive 50% off their purchase.

Home | About/Contact Us | View Customer Reviews | List Products | Add a Product | View Data | List Shipments | Hello, Ramon Lawrence | View Cart | Logout

## Add Dinosaur Information

Name: \*

Weight (in kg): \*

Price: \*

Age: \*

Gender: \*

Species: \*

Park Id: \*

About Me:

19) If you navigate to add a product, the admin can insert a new dinosaur.

## Search for a shipment by Park ID:

Search by Park ID:

### Search Results:

Dinosaurs pending shipment from your park:

Dino ID	Dino Name	Park	Shipped	Add Shipment
4	Abigail	1	false	<a href="#">Add Shipment</a>

Dinosaurs shipped from your park:

Dino ID	Dino Name	Park	Shipped	Ship Date
2	Reggie	1	true	2018-11-30

20) If you click on list shipments, you can search for a Jurassic park, and view if the shipments that have been sent out or need to be sent out from that park. You can click on 'Add Shipment' when you are ready to send a shipment and add the date that the shipment was sent.

## Database Tables for Admins

Display All:

### All Customer Information:

ID	Name	password	address	city	province	country	postalCode	phone	email	admin
1	A. Anderson	password1	103 AnyWhere Street	Alabtraz	AL	Argentina	11111	1234567890	aanderson@anywhere.com	false
2	C. Cole	AxBc12	333 Central Crescent	Chicago	IL	Canada	33333	3334445555	cole@charity.org	false
3	D. Doe	1234abc	444 Dover Lane	Detroit	MI	Canada	44444	4445556666	doe@doe.com	false
4	E. Elliott	ABCD1245	555 Everwood Street	Engliston	IA	Canada	55555	5556667777	engel@uiowa.edu	false
5	Chelsey Hvingelby	admin1	404 Sandstone Place	Okotoks	AB	Canada	T1S1P9	4033363754	admin@dino.ca	true
6	Ramon Lawrence	100Please	404 House Not Found	Kelonwa	BC	Canada	T1L7Y3	2506784032	ramon.lawrence@dino.ca	true

21)As an admin, you can navigate to 'View Data' to view tables of all the orders, shipments, and customers.



TheDinosaurCompany

YOUR DINOSAUR SUPPLIER

## Welcome to The Dinosaur Company!

### About Us



Chelsey

Chelsey is an Applied Math major and Data Science minor who has a passion for equations that have

Jassan

Jassan is our incredibly smart Math major who loves working on complex

Marlie

Marlie is an outgoing Computer Science Major

Sheyla

Sheyla is an Electrical Engineering student minoring in Computer

22)Go ahead and logout. Lastly, you can view the 'About/Contact Us' page to find information regarding where to contact us and the incredible masterminds behind The Dinosaur Company.



# 5 Thinking Ahead

## 5.1 Limitations

- 1) We are not sending the receipts, just displaying them on the screen for the user.
- 2) We do not actually have any Jurassic Parks, nor do we own any dinosaurs, so everything on our website (except the fun facts) is fictitious.
- 3) No payments will go through, and no shipments will be processed.
- 4) The user should not enter real credit card or PayPal information on this site, since it is not secure or encrypted.
- 5) Have to manually add dinosaur images to project folder.
- 6) No error prevention for removing dinosaurs, whose delete button is right beside the update dinosaur button. So do not accidentally delete dinosaurs because there is no going back.
- 7) Since our dinosaur company is just kicking off, there may be no dinosaurs from certain eras/species

## 5.2 Known Bugs

A user cannot write a review twice, or an error will be thrown. There is very little client-side data validation, so make sure you enter your data correctly to avoid errors thrown.

## 5.3 Implemented Features

Feature	Points	Status (% complete)	Code Files/Comments
<b>Hosting</b>			
Running on cosc304 server	2	100%	Link: <a href="http://cosc304.ok.ubc.ca/24165152/tomcat/304_lab7_f/WebContent/shop.jsp">http://cosc304.ok.ubc.ca/24165152/tomcat/304_lab7_f/WebContent/shop.jsp</a> Login: <a href="mailto:ramon.lawrence@dino.ca">ramon.lawrence@dino.ca</a> Password: 100Please
<b>Main/Home Page</b>			
Search for a product by name	1	100%	listprod.jsp
Browse products by category	1	100%	listprod.jsp
List products (by search/browse)	1	100%	listprod.jsp

List products with an image	2	100%	listprod.jsp
Page header with menu	1	100%	navigation.jsp navigation.css (included in each code file)
Page header shows current logged in user	1	100%	navigation.jsp (included in each code file)
Dynamic products on page based on sales	2	100%	Orders.jsp listprod.jsp Note: Ordered dinosaurs become unavailable for searching in the catalogue.
<b>Shopping Cart</b>			
Add to shopping cart	1	100%	addcart.jsp
View shopping cart	1	100%	showcart.jsp
Remove item from shopping cart	1	100%	deleteFromCart.jsp showcart.jsp Note: accessible from View Cart
Improved formatting/UI (e.g. in header bar)	1	100%	Navigation.jsp, navigation.css showcart.jsp Note: for improved UI we have the green view cart button as well as a formatted table with colour changes upon hover.
<b>Checkout</b>			
Checkout with customer id	1	100%	Note: The user must have already been logged in to view cart which goes to checkout
Checkout with payment / shipment info	2	100%	selectPaymentMethod.jsp addPP.jsp addCC.jsp Note: we assume you can only check out with payment info
Check out with data validation	3	50%	addPP.jsp, addCC.jsp Note: The form cannot proceed unless all required fields are full.
Inventory tracking by store/warehouse	3	100%	adminShipmentStatus.jsp Note: Allows the user to ship orders from the parks they work at

Calculate taxes/shipping (by items/state)	2	100%	Shipment.jsp, finalOrderReview.jsp Note: taxes/shipping calculated by items, not province. We also include calculations for handlers and shrinkages per dinosaur.
<b>Product Detail Page</b>			
Product detail page and item description	3	100%	viewDino.jsp
Product detail has an image	1	100%	viewDino.jsp
<b>User Accounts and Login</b>			
Create user account page	3	100%	signup.jsp
Create account with data validation	3	50%	signup.jsp Note: all required fields must must be filled and @ sign checked for email validation. Password is hidden for protection
Login/logout	2	100%	login.jsp logout.jsp
Register user /Forgot password email	4	100%	signup.jsp, forgotPassword.jsp, forgotEmail.jsp Note: Forgot password/email are recovered using customer id and security question/answer
Page listing all orders for user	1	100%	listorder.jsp
<b>Product Reviews</b>			
Ability to enter a review on a product	2	100%	addReview.jsp addReviewProcessing.jsp Note: We do not have an ability to enter a review on a product since the dinosaur is removed off the product list when purchased. Instead we did general customer reviews
Display product review on product detail	1	100%	viewReview.jsp Note: we only show the reviews on a general page. See above.
<b>Administrator Portal</b>			
Secured by login	3	100%	login.jsp loginProcessing.jsp
List all customers	1	100%	AdminQuery.jsp

List report showing total sales/orders	1	100%	AdminQuery.jsp
Add new product	2	100%	addProduct.jsp addProductProcessing.jsp
Update/delete product	2	100%	updateProduct.jsp updateProduct.jsp deleteProduct.jsp Note: these features are available from the listprod.jsp page as an admin.
Change order status/ship order	1	100%	adminShipmentStatus.jsp addShipment.jsp
Upload a photo to file system for product	2	100%	addProduct.jsp Note: you can upload an image that is already in the project folder by submitting its file path
<b>Database System/General</b>			
User interface and navigation/usability	Up to 5	100%	Header allows for easy site navigation, and multiple buttons and links increase user mobility and flexibility in where they want to go in the site. Colours/features/logos are pretty, especially considering only 1 of us is a COSC major (who just switched in this January), none of us are in web design, or have done any front end.
Other	Up to 5	100%	-if an admin orders a product they get 50% off -hover over species name to get species description on listprod.jsp -shipment cost breakdown per dinosaur that includes handlers, shrinkages, tax, and shipping. -our shipments come from multiple warehouses (JurassicParks) -Helpful AboutUs/ContactUs page with our pictures and bios
<b>Total: (maximum 50)</b>	65		