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Developer Exercise
TI web application
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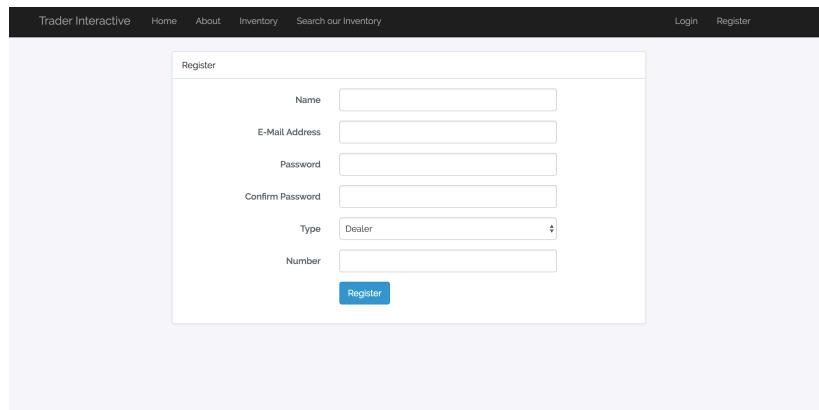
The screenshot shows the homepage of the Trader Interactive web application. At the top, there is a dark navigation bar with links for 'Trader Interactive', 'Home', 'About', 'Inventory', 'Search our Inventory', 'Login', and 'Register'. Below the navigation bar, a message 'welcome to my app' is displayed. A heading 'Developed by Tarek Fouda' is followed by a large, bold heading 'Welcome To Trader Interactive!'. A descriptive text block states: 'This is a simple webapplication where the user can view some listings for Cars, Motorcycles, Trucks and RVs that are stored in our database'. Below this text are two buttons: 'Login' (blue) and 'Register' (green). The main content area is light gray, while the header and footer areas are white.

Introduction:

This web application is implemented to demonstrate my programming abilities for the web engineer position at Trader Interactive. I used Laravel framework to develop a web application that allows a User to register as Buyer or a Seller (Dealer, Private, Broker). Only a Seller can add Inventories for Cars, Trucks, RVs and Motorcycles. A buyer can view the listings of all the Inventories shown and could click on each one to see more details and contact the seller that posted this Inventory. This report is a walk through the application to display the features of it.

Registration:

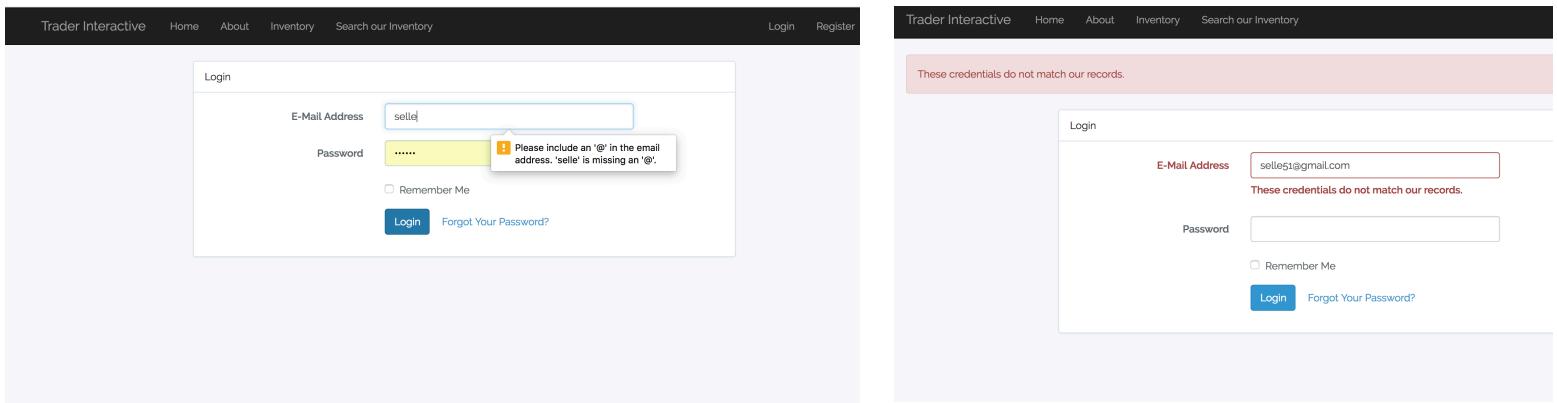
Any user can easily register by entering the name, email address, a password for their account a phone number and a type for their account. The Type dropdown basically allows the user to choose whether he/she is a dealer or a buyer.



The screenshot shows a registration form titled "Register". It includes fields for Name, E-Mail Address, Password, Confirm Password, Type (Dealer), and Number. A "Register" button is at the bottom.

Login as A seller or a Buyer:

As a seller/buyer I could login with the email I registered with and the password. Note that the application is user friendly and displays session messages in case you entered wrong email that does not exist in the database or in case you entered an invalid email.



The screenshots show two views of a login page. The left view shows a successful login attempt with the message "These credentials do not match our records." The right view shows an unsuccessful login attempt where the email "selle51@gmail.com" is highlighted in red with the error message "These credentials do not match our records."

After Login:

After Login the user is navigated to a dashboard when they see the Listings and posts they have posted. And there is a button for the seller to edit or delete any item from the Inventory as shown in the following figure.

The screenshot shows the 'Dashboard' section of the application. At the top, there is a blue button labeled 'Create an Item'. Below it, the heading 'Your posted Inventory' is displayed. A table lists eight items with their titles and actions: 'Edit' and 'Delete'. The items listed are: 3250i, Civic, GSX, HP4, F150, Ram, Lantern 280RL, and S60.

Title	Edit	Delete
3250i	<button>Edit</button>	<button>Delete</button>
Civic	<button>Edit</button>	<button>Delete</button>
GSX	<button>Edit</button>	<button>Delete</button>
HP4	<button>Edit</button>	<button>Delete</button>
F150	<button>Edit</button>	<button>Delete</button>
Ram	<button>Edit</button>	<button>Delete</button>
Lantern 280RL	<button>Edit</button>	<button>Delete</button>
S60	<button>Edit</button>	<button>Delete</button>

So let's create another Item by the user (Seller1) and add it to the Inventory by clicking on **create item** button in the above picture. Note: Seller1 is a user whose type is a dealer.

Create a List:

So after clicking on create a list button it navigates us to a form where you can add all the information you want for the Item that you are adding which are basically attributes for the table Item. Note that you can add up to five images for the item.

Hitting submit button will add the attributes to this new Item in the database and create it and navigates to the Inventory page that lists all the items stored in my database.

The screenshot shows a form titled 'Create a listing'. It contains several input fields: 'Make' (make), 'Model' (model), 'Year' (year), 'Price' (price), and 'Keyword' (motorcycle). There is also a 'Description' text area and two file upload fields, both currently showing 'No file chosen'.

Inventory:

The Inventory displays all the items by all of the users and shows on the /inventory page as shown in the following image. It displays the cover image for the product, The make and the model. Also displays the year and the price. Clicking anywhere on this item will navigate you to the more detailed show page for this item. We will get to that later.

Trader Interactive Home About Inventory Search our inventory Seller1 +

Posts

**BMW 335i**
Posted on 2017-11-02 01:22:51 by the user Seller1
Year: 2008
Price: \$12000

**Honda Civic**
Posted on 2017-11-02 01:30:04 by the user Seller1
Year: 2016
Price: \$15000

**Suzuki gsx**
Posted on 2017-11-02 01:35:28 by the user Seller1
Year: 2017
Price: \$25000

**BMW HP4**
Posted on 2017-11-02 01:39:01 by the user Seller1
Year: 2017
Price: \$35000

Search the Inventory:

You can search for a vehicle you want by clicking on “Search Inventory” in the navigation bar. You could search by a keyword, Type(Motorcycle, Car, Truck, RV) or price. I will demonstrate the result for the search query if I searched by Type Motorcycle.

As shown in the image, the function only displays the Motorcycles from the Inventory.

Trader Interactive Home About Inventory Search our inventory Seller1 +

Type :
Price : Enter Keyword :
 View All

The Search results for your query are :

**Suzuki gsx**
Posted on 2017-11-02 01:35:28 by the user Seller1
Year: 2017
Price: \$25000

**BMW HP4**
Posted on 2017-11-02 01:39:01 by the user Seller1
Year: 2017
Price: \$35000

Detailed View for the List:

Clicking on anywhere in the item displays detailed view for the item itself. Showing the Owner, year, make, model and price. Also it shows the specifications for the item itself such as horsepower and color etc.

There is a carousel that displays all the images for this specific item in a user friendly way. If you are the creator of this list, you are authorized to see an edit and delete button in case you want to update or delete this product. As a buyer you have the ability to click on a button to fill a contact us page that sends an email using SMTP to the seller's email. I will demonstrate all of these features in the following images.

Showing the item:

Notice there is an edit and delete button because I am logged in as the person who created this piece of inventory. If you log in as another user you will not be able to view these buttons.

The screenshot shows a motorcycle listing for a Suzuki GSX-R 750. At the top, there is a navigation bar with links for 'Trader Interactive', 'Home', 'About', 'Inventory', 'Search our Inventory', and 'Seller1'. Below the navigation is a large image of a blue Suzuki GSX-R 750 motorcycle. To the right of the image, the word 'Suzuki' is displayed. Below the image is a 'General' section containing the following information:

Owner:	Seller1
Price:	25000
Make:	Suzuki
Year:	2017
Model:	GSX

At the bottom of the page, there is a note stating "Written on 2017-11-02 01:35:28 by Seller1. Click Here to Email the Seller for more information". Below this, there are 'Edit' and 'Delete' buttons. A 'Send Email' button is also visible on the right side of the page.

Clicking on Send Email button:

By clicking on this button you can easily fill a contact form and by clicking Submit you send it to the seller's saved email in our database.

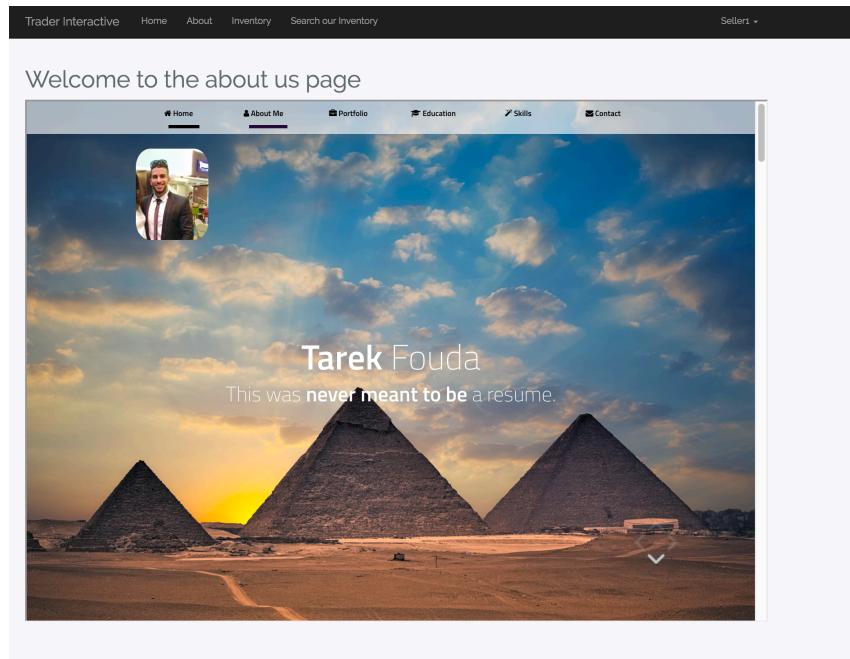
The screenshot shows a contact form with an error message at the top: "The email must be a valid email address." Below the error message is a section titled "Contact Us" with the following fields:

- "Your Name": test
- "Your E-mail Address": s
- "Your Message": test

At the bottom of the form is a "Contact Us" button.

Last but not least...

The /about page is basically an iframe that pulls a webpage I implemented for myself. Feel free to have a look at it if you want to..



You can easily sign out by clicking on your name on the navigation bar and you will be successfully logged out.

This application was implemented using Laravel framework for the backend, Bootstrap, Jquery were used as well. I am using a relational database where I fetch the data I want from mysql tables using normal SQL queries such as(Select * From ITEM where (\$query == "condition")).

I would say I can optimize this product by adding more features to it and adding (Add to cart button) and request a quote.