

Final Project: The Sport Fort

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Development:

1. **Front-end:** Javascript,HTML,CSS
2. **Back-end:** Nodejs, Express
3. **Database:** MongoDB, Mongoose

Overview:

- In this project, I am using MVC architecture.
- **App.js:** It is the entry point of the application.
- **Model:** It manages data, business logic, and rules of application.
- **Controller:** The controller takes the input and interacts with the view and model.
- **View:** It contains the front-end files and is used to display the information.
- **Public:** This folder contains all the images and static files.
- **Database:** MongoDB database is used to store and retrieve data for categories and products. Mongoose is used to make connections with the database.

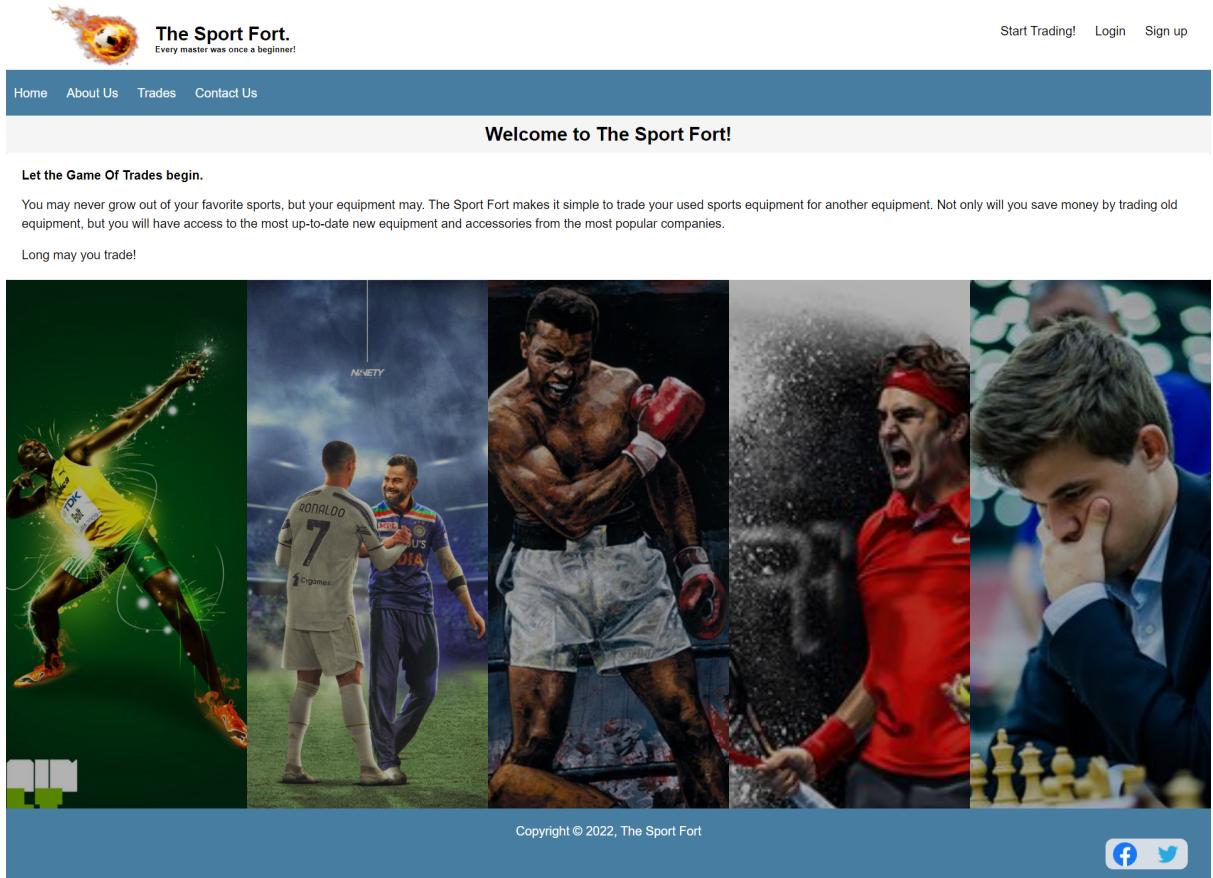
Q. What were the most challenging parts of the assignment? How did you overcome all or some of those challenges?

It was challenging to implement the trade functionality. There were multiple scenarios and I have tried covering as many scenarios as possible. It was a bit challenging to build the logic where multiple trade offers involve the same product. Overall, it was a great learning experience!

Q. What were the most exciting/interesting concepts you encountered while completing this project?

In this project I learned many exciting concepts such as using mongoDB for storing data and using mongoose to integrate the database into application. Storing and tracking sessions is also an important concept I learned in this project. Using CSS is a challenging yet exciting part of building a web application.

1. Home Page:



The screenshot shows the homepage of The Sport Fort website. At the top, there's a logo featuring a soccer ball with a flame effect, followed by the text "The Sport Fort." and the tagline "Every master was once a beginner!". To the right are links for "Start Trading!", "Login", and "Sign up". Below the header is a navigation bar with links for "Home", "About Us", "Trades", and "Contact Us". A main banner says "Welcome to The Sport Fort!". Underneath, a section titled "Let the Game Of Trades begin." encourages users to trade used sports equipment. It includes a message about saving money and access to new equipment. A sub-section "Long may you trade!" features five vertical images: a soccer player in mid-air, two soccer players shaking hands, a boxer in a dynamic pose, a tennis player shouting, and a chess player in deep thought.

The Sport Fort.
Every master was once a beginner!

Start Trading! Login Sign up

Home About Us Trades Contact Us

Welcome to The Sport Fort!

Let the Game Of Trades begin.

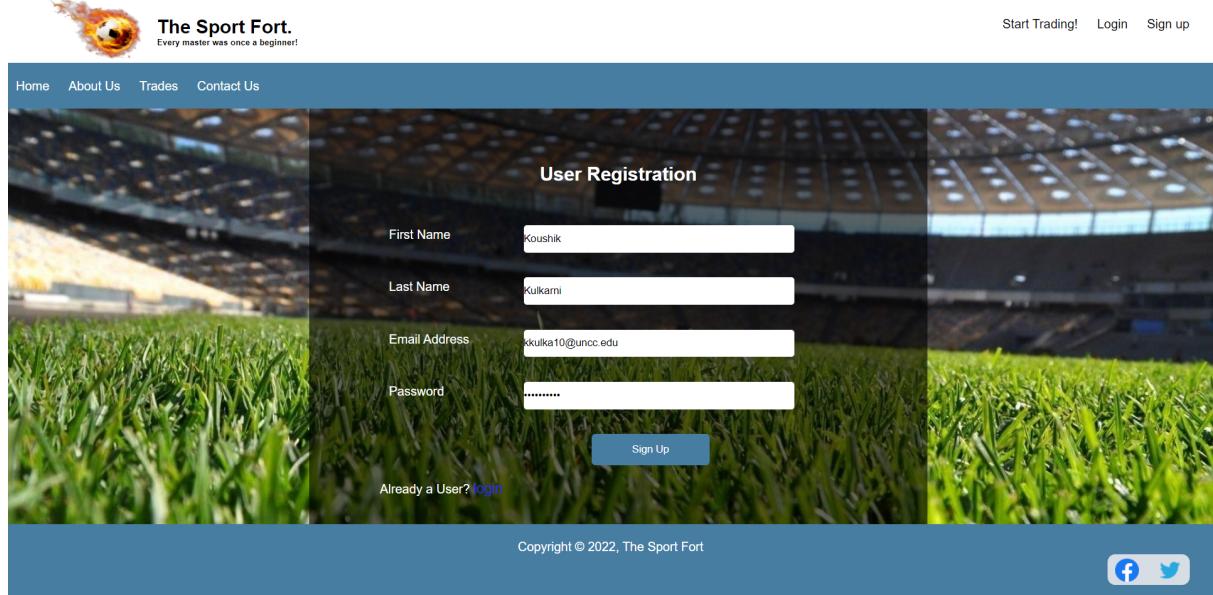
You may never grow out of your favorite sports, but your equipment may. The Sport Fort makes it simple to trade your used sports equipment for another equipment. Not only will you save money by trading old equipment, but you will have access to the most up-to-date new equipment and accessories from the most popular companies.

Long may you trade!

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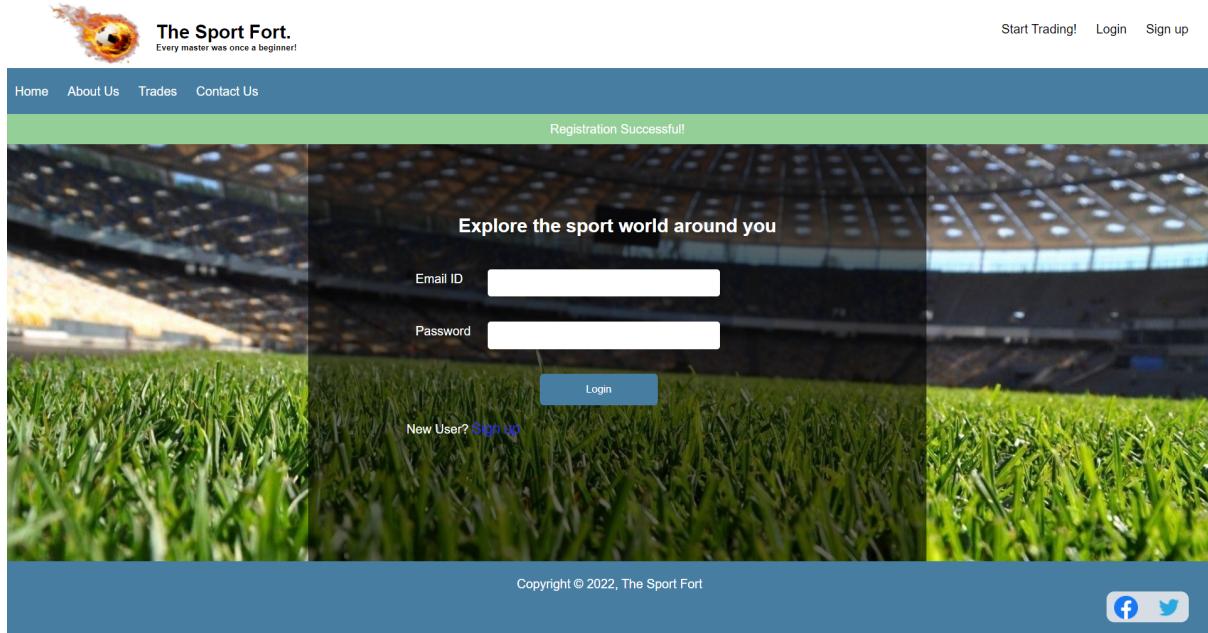
2. Sign up for new users:



The screenshot shows the 'User Registration' form on a website. The header features a logo of a soccer ball on fire with the text 'The Sport Fort.' and the tagline 'Every master was once a beginner!'. Navigation links include Home, About Us, Trades, and Contact Us. On the right, there are links for Start Trading!, Login, and Sign up. The main content area has a background image of a stadium. It contains fields for First Name (Koushik), Last Name (Kulkarni), Email Address (kulkar10@uncc.edu), and Password (*****). A 'Sign Up' button is at the bottom, and a link 'Already a User? [Login](#)' is below it. The footer includes copyright information (Copyright © 2022, The Sport Fort) and social media links for Facebook and Twitter.

3. Login:

Once the registration is complete, the user will be redirected to the login page!



The screenshot shows the 'Login' page on the website. The header features the same logo and navigation links as the registration page. A green banner at the top displays the message 'Registration Successful!'. The main content area has a background image of a stadium. It contains fields for Email ID and Password, both represented by white input boxes. A 'Login' button is at the bottom, and a link 'New User? [Sign up](#)' is below it. The footer includes copyright information (Copyright © 2022, The Sport Fort) and social media links for Facebook and Twitter.

4. Profile

After successful login, the user will be on the profile page where he/she will be able to see the products added by him/her. A new user won't have any products on the list.

The screenshot shows a user profile page for 'Sachin'. At the top, there's a logo for 'The Sport Fort' with the tagline 'Every master was once a beginner!'. On the right, there are links for 'Start Trading!' and 'Profile'. Below the header, a message says 'You have successfully logged in' and shows a small profile picture of Sachin. The main content area displays three products added by Sachin:

- Bat-MRF**: An image of a cricket bat. Below it, a short description in Latin reads: 'ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo'. Below the description are two buttons: 'View Details' and 'Delete'.
- Cricket Ball**: An image of a red cricket ball on grass. Below it, a short description in Latin reads: 'Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo'. Below the description are two buttons: 'View Details' and 'Delete'.
- Gloves**: An image of a pair of white gloves. Below it, a short description in Latin reads: 'Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo'. Below the description are two buttons: 'View Details' and 'Delete'.

At the bottom of the page, there's a copyright notice 'Copyright © 2022, The Sport Fort' and social media icons for Facebook and Twitter.

View Details - This button will take the user to the trade page for that product.

Delete - This button will delete the product.

5. Menu

After clicking on the user icon image, the user will see a list of options to navigate to different pages such as profile, current pending trade offers, trade history, trade requests, watchlist.

The screenshot shows the homepage of The Sport Fort website. At the top right, there is a user icon of a man's face. To its right, the text "Start Trading! Profile" is displayed. A vertical dropdown menu is open from the user icon, listing: "Sachin Tendulkar", "Trader", "MY PROFILE", "CURRENT TRADES", "TRADE HISTORY", "TRADE REQUESTS", "MY WATCHLIST", and "LOGOUT". The background of the page features a blurred image of a hand holding a smartphone displaying a messaging interface. On the left side, there is a sidebar with contact information: "Message Us" (999-9999-999), "Email Us at" (thesportfort@gmail.com), and "Call Us" (999-9999-999). The footer contains the copyright notice "Copyright © 2022, The Sport Fort" and social media links for Facebook and Twitter.

6. Trades:

This page shows all the categories and subcategories. After clicking on the subcategories, the user will be able to view the contents of the subcategory.

The screenshot shows a page titled "Pick your favorite sports:". It features three main categories: Cricket, Football, and Tennis, each with an associated image and a "view more" button. The Cricket section shows a bat and ball on grass. The Football section shows a ball in a stadium. The Tennis section shows a racket and ball on a court. Below each category, there is a list of items: Cricket (Bat-MRF, Cricket Ball, Gloves), Football (Football, Shoes, Gloves), and Tennis (Racquet, Tennis Balls, Gloves). The footer contains the copyright notice "Copyright © 2022, The Sport Fort" and social media links for Facebook and Twitter.

7. Subcategory - 1:

Users will be able to view the information about the product here.

Edit and Delete buttons can be used to edit and delete a particular item. The edit/delete buttons are visible for the products only added by the user. In the below image, we can see that the product Bat is created by the user Sachin Tendulkar and he can edit or delete the product. The same user who has added the product can not trade or watch the product.

The screenshot shows a product detail page on 'The Sport Fort' website. At the top, there's a logo with a soccer ball and the text 'The Sport Fort.' Below it is a sub-header 'Every master was once a beginner!'. On the right side of the header are 'Start Trading!' and 'Profile' buttons, and a user profile icon. The main content area has a blue header bar with 'Home', 'About Us', 'Trades', and 'Contact Us' links. The product image is a red and white cricket bat. The product title is 'Bat-MRF'. Below the title, it says 'Owner Name: Sachin Tendulkar'. To the right of the owner name are 'Edit' and 'Delete' buttons under a 'Take Actions:' heading. A large amount of placeholder Latin text follows. At the bottom of the page is a dark blue footer bar with 'Copyright © 2022, The Sport Fort' and social media icons for Facebook and Twitter.

8. Edit form:

After clicking on the edit button in the trade page, the user will get this form to edit the fields. If the category is the same then only the product details will be updated. If a user changes the category and the category already exists, then the item will be moved under the category. If the category is new, then a new category will be created with the item.

Editing product name from Bat to Bat-MRF

The screenshot shows a website for "The Sport Fort." at the top, featuring a logo of a soccer ball on fire and the tagline "Every master was once a beginner!". The navigation bar includes links for Home, About Us, Trades, and Contact Us. On the right side of the header are links for Start Trading!, Profile, and Logout. The main content area has a background image of a cricket stadium. A central modal window titled "Edit the product details below..." contains the following fields:

- Category:** Cricket (in a dropdown menu)
- Product name:** Bat-MRF
- Description:** Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae...
- Image:** /images/mrf.png
- Terms and Conditions:** A checkbox labeled "Yes, I have read and consent to the terms and conditions" is checked.

At the bottom of the modal is a blue "Edit" button. The footer of the page includes the copyright notice "Copyright © 2022, The Sport Fort" and social media icons for Facebook and Twitter.

In the below image, we can see that the product Football is not created by the user Sachin and he won't be able to edit/delete the product. But he can trade or watch the product football.

The screenshot shows a product page for a "Football". At the top, there's a logo for "The Sport Fort" with the tagline "Every master was once a beginner!". To the right are links for "Start Trading!" and "Profile". Below the header is a navigation bar with "Home", "About Us", "Trades", and "Contact Us". On the far right is a user profile icon. The main content area features a large image of a black and white soccer ball. To the right of the image, the word "Football" is displayed in bold. Below the title, it says "Owner Name: Lio Messi". Further down, there's a section titled "Interested in trading this product?" with two buttons: "Trade it" and "Watch it". A long paragraph of Latin text follows. At the bottom of the page, there's a copyright notice "Copyright © 2022, The Sport Fort" and social media icons for Facebook and Twitter.

9. Trade it:

After clicking on the trade it button, the user will get a list of his/her products to select for trade.

The screenshot shows a selection screen for a trade request. At the top, there's a logo for "The Sport Fort" with the tagline "Every master was once a beginner!". To the right are links for "Start Trading!" and "Profile". Below the header is a navigation bar with "Home", "About Us", "Trades", and "Contact Us". On the far right is a user profile icon. The main content area has a dark background featuring various sports equipment like a baseball glove, a soccer ball, a basketball, and boxing gloves. Overlaid on this image is the text "Select your product for the trade !". To the left of the text, there's a list of items with radio buttons: "Bat-MRF", "Cricket Ball", and "Gloves". Below this list is a blue button labeled "Select Product". At the bottom of the page, there's a copyright notice "Copyright © 2022, The Sport Fort" and social media icons for Facebook and Twitter.

After selecting the product the trade request will be sent to the product owner. The user can see his pending offers in the current trades page. Now the user Sachin has sent a trade request to the user Lio Messi.



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Start Trading! Profile

Home About Us Trades Contact Us

Your Current Pending Offers

Date	Requester	Owner	Offered Product	Desired Product	Status	Action
5/8/2022, 5:53:28 PM	Sachin Tendulkar	Lio Messi	Bat-MRF	Football	pending	Cancel Offer

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10. Trade requests:

Trade request for user - Lio Messi



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Start Trading! Profile

Home About Us Trades Contact Us

Find Trade requests for you here!

Date	Requester	Owner	Offered Product	Desired Product	Status	Actions
5/8/2022, 5:53:28 PM	Sachin Tendulkar	Lio Messi	Bat-MRF	Football	pending	Accept Offer Decline Offer

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[Facebook](#) [Twitter](#)

The user can accept or decline the offer. Once the offer is accepted or declined it will move to trade history.

11. Trade History

The screenshot shows the 'Your past trade history:' section. A table lists one trade:

Date	Requester	Owner	Offered Product	Desired Product	Status
5/8/2022, 6:13:03 PM	Sachin Tendulkar	Lio Messi	Bat-MRF	Football	accepted

At the bottom, there are social media sharing icons for Facebook and Twitter.

12. My watchlist:

After clicking on watch it for a particular item, the item will be added to watchlist of user and the user can see that from the menu-> my watchlist.

The screenshot shows the 'Take a look at your watchlist:' section. It displays two items:

- Gloves**: An image of a pair of gloves on grass. Below it is a short description and two buttons: 'View Details' and 'Unwatch it'.
- Racquet**: An image of a tennis racket. Below it is a short description and two buttons: 'View Details' and 'Unwatch it'.

At the bottom, there are social media sharing icons for Facebook and Twitter.

The user can view details or unwatch it (remove from watchlist).

13. New Category:

After clicking on the start trading, the user is redirected to this form where he can create a new category or add a product to an existing category.

The screenshot shows a web page titled "Start your Game Of Trades here...". At the top, there's a logo for "The Sport Fort." with the tagline "Every master was once a beginner!". The main form has fields for "Category" (set to "Cricket"), "Product name" (set to "Stumps"), and "Description" (containing placeholder Latin text). There's also a file input for "Image" (labeled "Choose File, No file chosen") and a checkbox for "Yes, I have read and consent to the terms and conditions". A blue "Create Trade" button is at the bottom. The background features a blurred image of a cricket pitch.

The screenshot shows a web page with a green banner at the top stating "Product is added successfully". Below it, there's a heading "Pick your favorite sports:" followed by three categories: "Cricket", "Football", and "Tennis", each with an image and a list of items. The "Cricket" section includes "Bat-MRF", "Cricket Ball", "Gloves", and "Stumps", with a "view more" button. The "Football" section includes "Football", "Shoes", and "Gloves", with a "view more" button. The "Tennis" section includes "Racquet", "Tennis Balls", and "Gloves", with a "view more" button. The footer contains copyright information and social media links for Facebook and Twitter.

Product - Stumps is added to the category Cricket.

14. About Us

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Start Trading! Profile

Home About Us Trades Contact Us

About Us

we at The Sport Fort want to build a sport culture where kids or young People don't have to stop their dreams because of lack of equipment. We provide a platform where you can trade your sport equipment with other people.

Our aim is to bring the fitness culture in society. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum

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15. Contact Us

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Home About Us Trades Contact Us

Message Us
 999-9999-999

Email Us at
 thesportfort@gmail.com

Call Us
 999-9999-999

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