

CSCE598-Project

Online Tender

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Online Tendering

Project Design:

Online Tender application is a simple trading application where users can Signup/Login and sell their products or purchase a new one. The registered users can login and bid on a product which is on sale or if he wants to sell a product, he can post it on the application. The users can even review their profile and edit if required. The administrator on top can look how many users are registered into the application and also can view the products uploaded by him. Even the administrator need to login to get into the application and he will be provided additional features to view registered users. The administrator setup is given offline in console.

Design Implementation:

>>When the user run the following command in the terminal a link shows up and on click of that link the application launches.

```
"rails server -p $PORT -b $IP"
```

>> Add all the required gem files and install using "bundle install" command.

>>Created User controller using "rails generate controller User name:string email:string latitude:float longitude:float password_digest:string admin:string"

>>Run migrations that have not run yet using "bundle exec rake db:migrate"

>> The signup page html is written in the static pages home.html.erb. Whereas the user Signup and profile view and edit html code is written within html pages of User folder.

>> The login, logout, home, profile, edit and users list tab options code is written within application.html.erb file.

>> The Login functionality is implemented using sessions. When created user login session controller creates a session using the id created while data is created and using email field and authenticates using authenticate function from has_secure_password method and redirects to user method. On user login a session is created and the user remain active until the session is active or the user click on logout button. In either cases the session is destroyed and the user is redirected to home page. The session management is taken care in sessions_controller.rb file.

>> Admin has a special feature where he can view all details of users. This is implemented by using function in session helper where it checks if current user is admin or not if admin it shows user(admin access only) in the header of application on clicking it it redirects to show users page which displays all user's.

>> "bundle exec rake db:migrate:reset" is used to reset the database if any redundant data entered into the database.

>> Use "bundle exec rake db:seed" to run the database operations specified in the seed file.

>> Used “Faker” gem to create fake data of the users to test the pagination functionality.

>>The routes are configured in config/routes.rb.

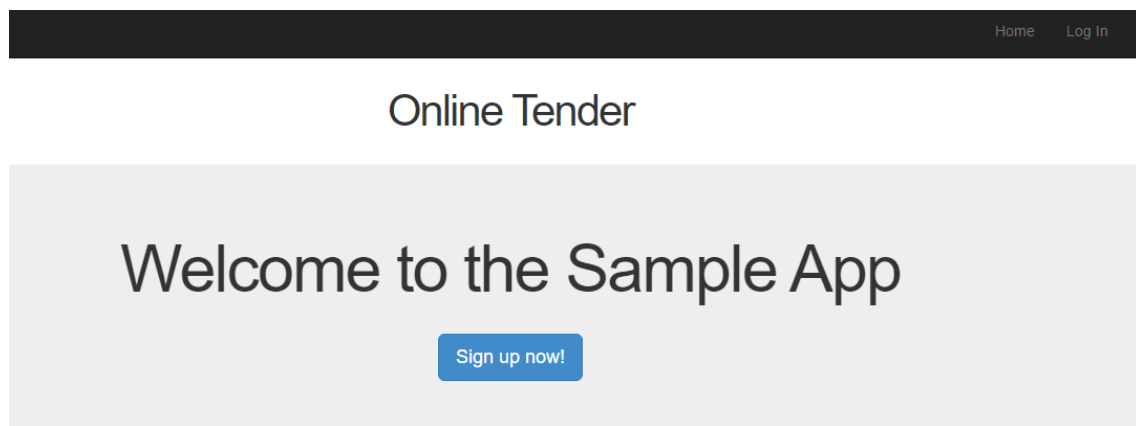
>>To access database, I used “Sqlite3 db/ development.sqlite 3” command.

>>Use “rails g migration remove_category_from_users category:string” to remove a column from the table.

Flow of Project:

>>The home page of the application is shown below

If the user is new user, then he can click on Signup button and go ahead with Signup. Else if, the user is existing user then he can click on login tab to login into the application.

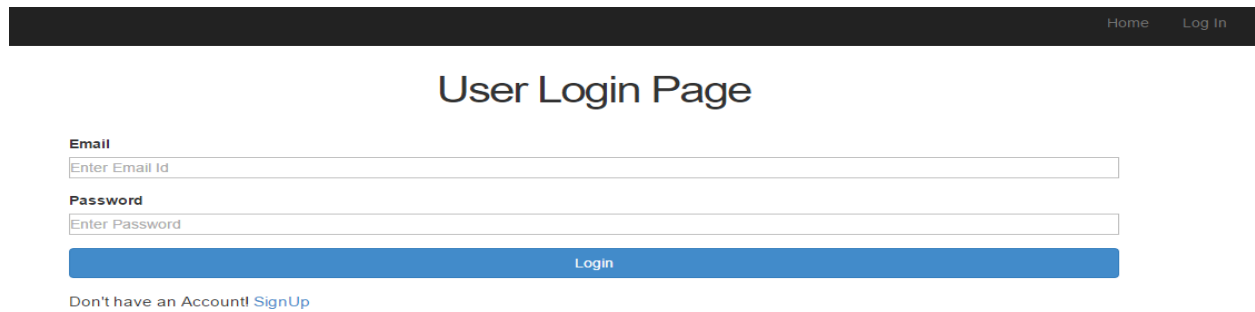


>>On Click of Signup button, the following page shows up

The screenshot shows the "Sign up" page. It has a dark navigation bar with "Home" and "Log In" links. The title "Sign up" is centered. Below the title, there are several input fields with labels: "Name" (with placeholder "Enter Username"), "Email" (with placeholder "Enter Email Id"), "Password" (with placeholder "Enter password"), "Confirmation" (with placeholder "Re-type Password"), "Latitude" (with placeholder "Enter Latitude"), and "Longitude" (with placeholder "Enter Longitude"). At the bottom, there is a blue button labeled "Create my account".

Here the user has to provide all the details to Signup. For a user to successfully signup he has to provide password of minimum 6, Password and the Password Confirmation should be same, the latitude and longitude values should be valid, email should be valid and no fields should be left blank. On providing all this details and on click on sign up he should be successfully able to signup and taken to his profile page.

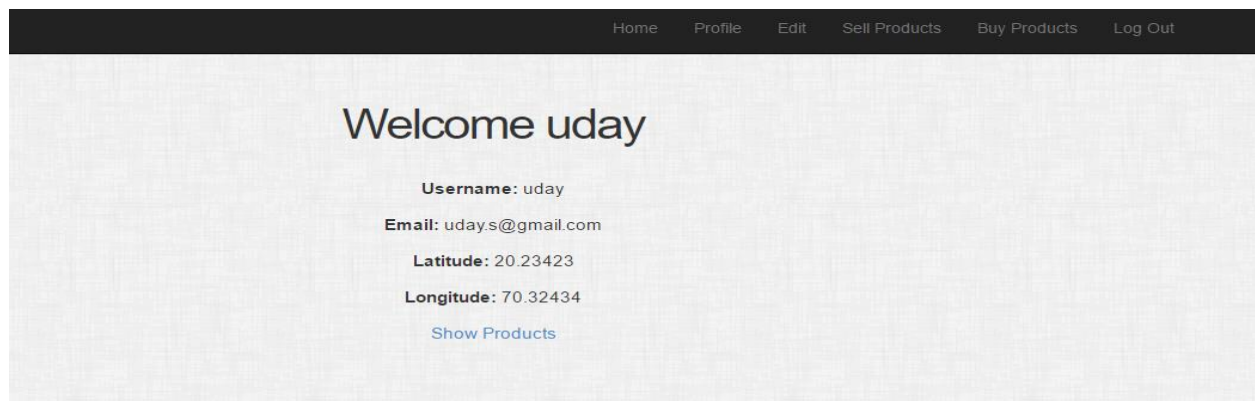
>>On Click of Login tab in the home page or signup page, the following page shows up



The image shows a 'User Login Page' with a dark header containing 'Home' and 'Log In' links. The main content area has a title 'User Login Page' and two input fields: 'Email' with placeholder 'Enter Email Id' and 'Password' with placeholder 'Enter Password'. Below these is a blue 'Login' button. At the bottom, there is a link 'Don't have an Account! SignUp'.

On Inputting the Email Id and the password, the system authenticates the user and allows him to login.

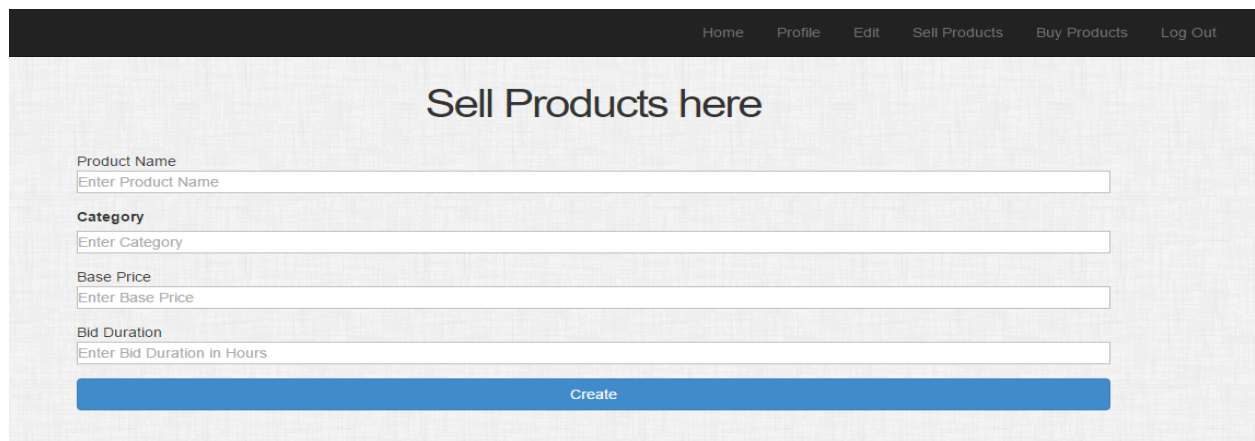
>> On Login, the seller page looks like this



The image shows a 'Welcome uday' page with a dark header containing 'Home', 'Profile', 'Edit', 'Sell Products', 'Buy Products', and 'Log Out' links. The main content area displays user details: 'Username: uday', 'Email: uday.s@gmail.com', 'Latitude: 20.23423', and 'Longitude: 70.32434'. Below these details is a blue 'Show Products' button.

All the user details are displayed in the profile page and on Login the user will be having profile, edit, Sell Products, Buy Products and logout options in the page tab.

>> When the user clicks on the Sell Products tab, he is taken to Sell Products page where he can input details of the product like product name, category, base price and hours. On click of "create" button, the product is uploaded and ready for sale.



The image shows a 'Sell Products here' page with a dark header containing 'Home', 'Profile', 'Edit', 'Sell Products', 'Buy Products', and 'Log Out' links. The main content area has a title 'Sell Products here' and four input fields: 'Product Name' with placeholder 'Enter Product Name', 'Category' with placeholder 'Enter Category', 'Base Price' with placeholder 'Enter Base Price', and 'Bid Duration' with placeholder 'Enter Bid Duration in Hours'. Below these fields is a blue 'Create' button.

>> When the user clicks on the Buy Products tab, he is taken to buy products page where the user can view the products available for sale. The products are displayed in table format. The table includes

product name, current bidding price and last bidder email. On click of product name, the user is taken to product overview page.

| Purchase products here | | |
|--------------------------|-----------------------|-------------------|
| Name | Current Bidding Price | Last Bidder Email |
| iphone | 700.0 | uday.s@gmail.com |
| iphone6s | 500.0 | uday.b@gmail.com |
| xperia | 700.0 | uday.b@gmail.com |
| iphone5s | 900.0 | admin@gmail.com |

>>When the user clicks on the product name in the buy products page, he is taken to product overview page. The details of the product he chooses to bid is shown over here. If the user wants to bid on the product, he need to click on “Click Here” link. On click of this link he is taken to bidding page.

| | | | | | |
|------|---------|------|---------------|--------------|---------|
| Home | Profile | Edit | Sell Products | Buy Products | Log Out |
|------|---------|------|---------------|--------------|---------|

Details of iphone you choose to bid

Product name: iphone

Seller Email: admin@gmail.com

Base Price: 200.0

Current Bidding Price: 700.0

Advertisement Posted Time:2016-05-02 17:06:40

Bidding Ends in:22.28

Want to bid[Click Here](#)

Wed May 04 2016 18:21:58 GMT-0500 (Central Daylight Time)

>> In the bidding page, the user can enter his bidding price and submit. The bidding price needs to be greater than the current bidding value.

| | | | | | |
|------|---------|------|---------------|--------------|---------|
| Home | Profile | Edit | Sell Products | Buy Products | Log Out |
|------|---------|------|---------------|--------------|---------|

Enter Bidding Value

Enter your Bid value

Submit

>>If the inputted bidding price is less than the current bidding price, then the following error shows up.

[Home](#)
[Profile](#)
[Edit](#)
[Sell Products](#)
[Buy Products](#)
[Log Out](#)

Bid more than current biddingprice

Enter Bidding Value

Enter your Bid value

700.0

Submit

On inputting value greater than the current bidding price, the user is taken to the buy products page.

>>When the user clicks on edit button in the header, he is taken to the edit profile page. After updating the fields and on click of “save changes” button, the fields are updated and the user is taken to profile page.

[Home](#)
[Profile](#)
[Edit](#)
[Sell Products](#)
[Buy Products](#)
[Log Out](#)

Profile

Name

uday

Email

uday.s@gmail.com

Password

Enter Password

Password confirmation

Re-type Password

Latitude

20.23423

Longitude

70.32434

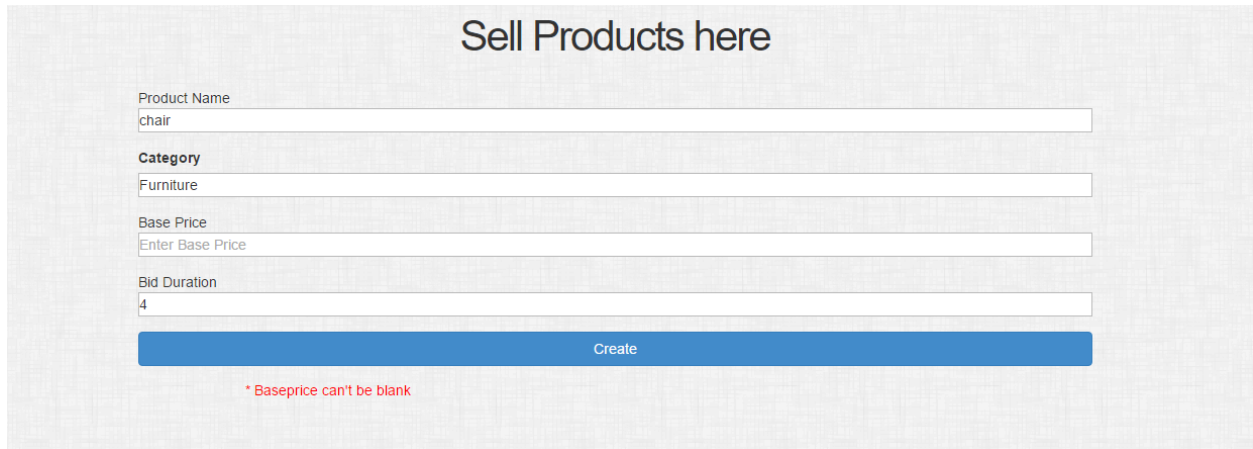
Save Changes

>>When the user clicks “show products” link in the profile page, he is taken to the “my products for sale” page. In this page all the products the user has put for sale are displayed.

| My Products in Sale | | |
|---------------------|-----------------------|-------------------|
| Name | Current Bidding Price | Last Bidder Email |
| xperia z4 | 200.0 | uday.s@gmail.com |
| iphone4 | 200.0 | uday.s@gmail.com |
| iphoneSe | 200.0 | uday.s@gmail.com |

Validations

While entering the products details we need to enter base price, name , category and duration for bidding. If the following details are left blank it shows errors as shown below.

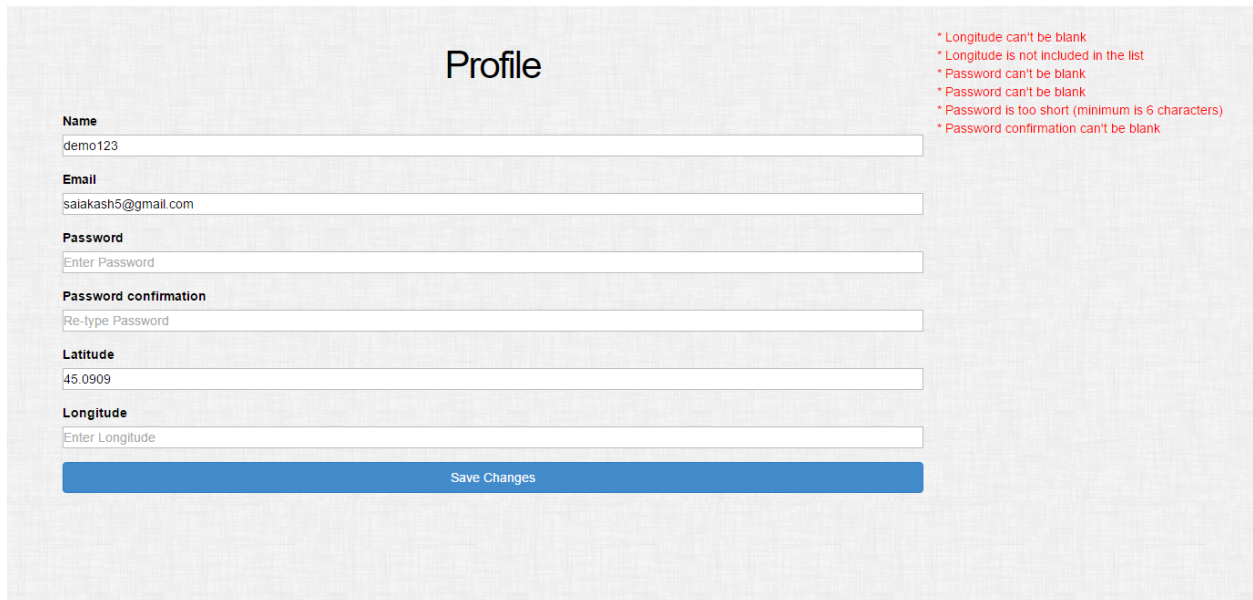


The screenshot shows a form titled "Sell Products here" with the following fields and values:

- Product Name: chair
- Category: Furniture
- Base Price: Enter Base Price
- Bid Duration: 4

A blue "Create" button is at the bottom. A red error message is displayed below the button: "* Baseprice can't be blank".

Similarly for user information in sign_up and while editing information any field can't be blank or it generates errors as shown below



The screenshot shows a form titled "Profile" with the following fields and values:

- Name: demo123
- Email: saiakash5@gmail.com
- Password: Enter Password
- Password confirmation: Re-type Password
- Latitude: 45.0909
- Longitude: Enter Longitude

A blue "Save Changes" button is at the bottom. A list of red error messages is displayed on the right side of the form:

- * Longitude can't be blank
- * Longitude is not included in the list
- * Password can't be blank
- * Password can't be blank
- * Password is too short (minimum is 6 characters)
- * Password confirmation can't be blank

Test Login details:

Username: saiakash5@gmail.com

Password: demo123