

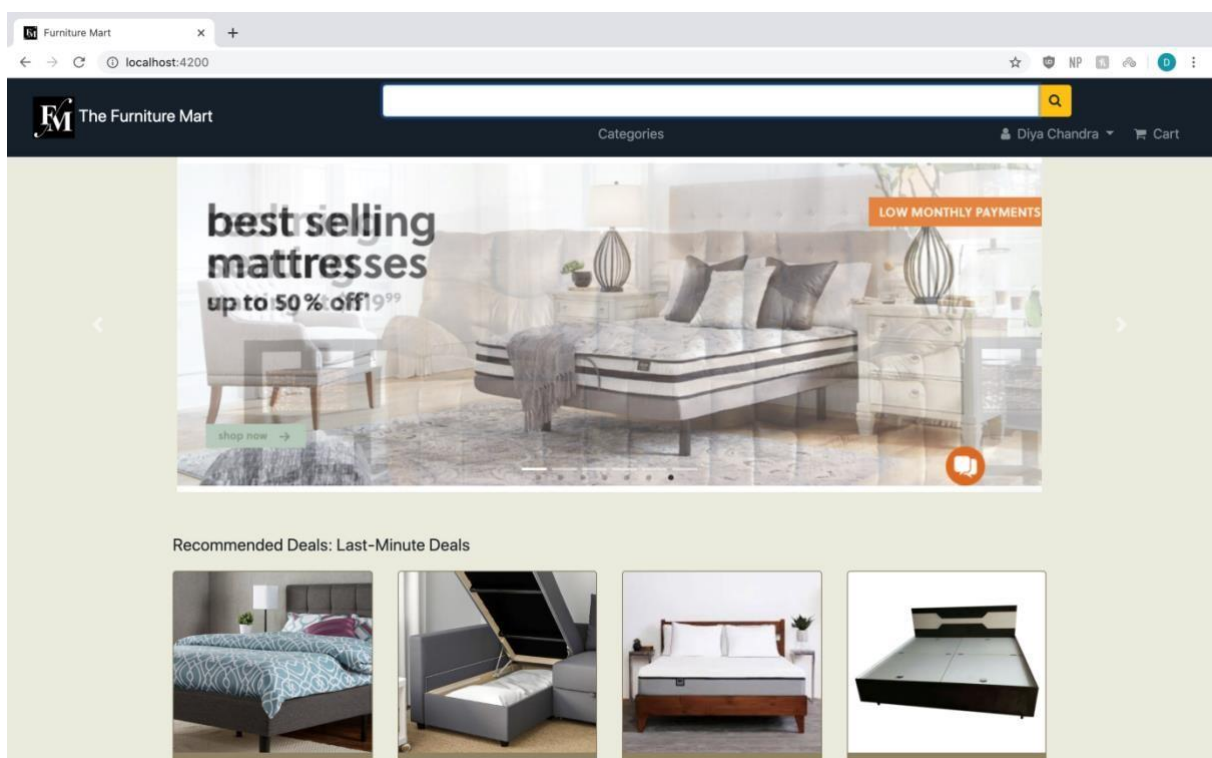
PROJECT REPORT

Title: Online Furniture Store Website

Name: The Furniture Mart

Description:

The project is “The Furniture Mart” web application which provides a platform for buying and selling of furniture like Bookshelf, Mattress and Bed etc.

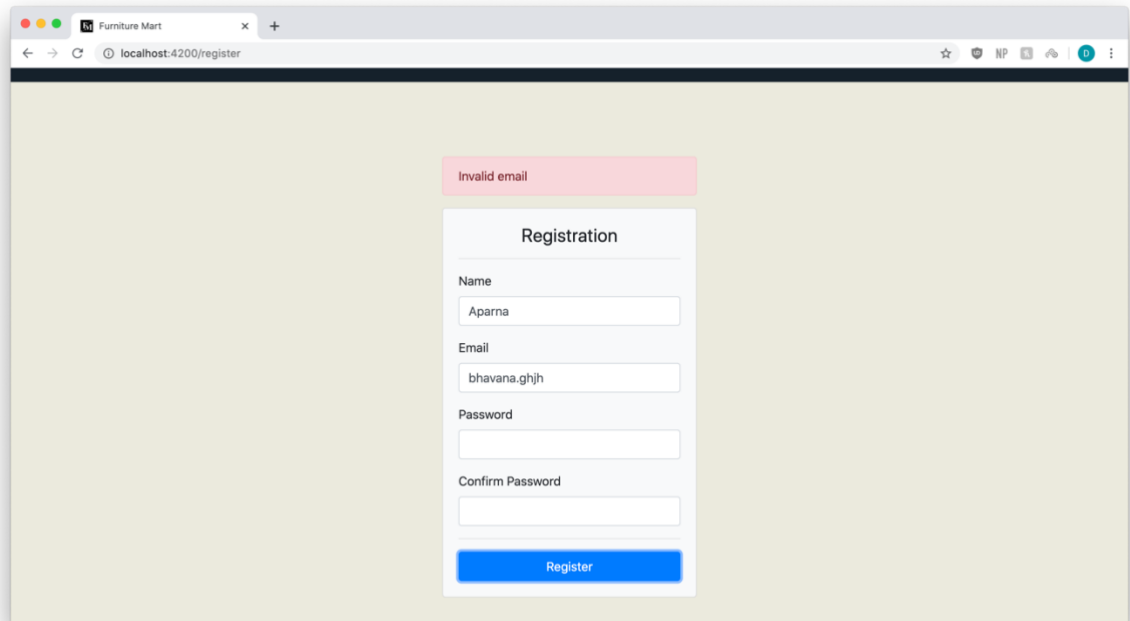


Assumptions:

Admin account is pre-created.

The following functionalities are supported:

- 1) Register Signup – Register new user to system. As a part of registration we check if:
 - i) the username and email is already registered to the system
 - ii) the form is



The screenshot shows a web browser window with the title 'Furniture Mart' and the address bar displaying 'localhost:4200/register'. The page has a light beige background. A white registration form is centered on the page. At the top of the form, there is a pink error message box that says 'Invalid email'. The form itself has a title 'Registration' and contains four input fields: 'Name' (with 'Aparna' entered), 'Email' (with 'bhavana.ghjh' entered), 'Password', and 'Confirm Password'. A blue 'Register' button is at the bottom of the form.

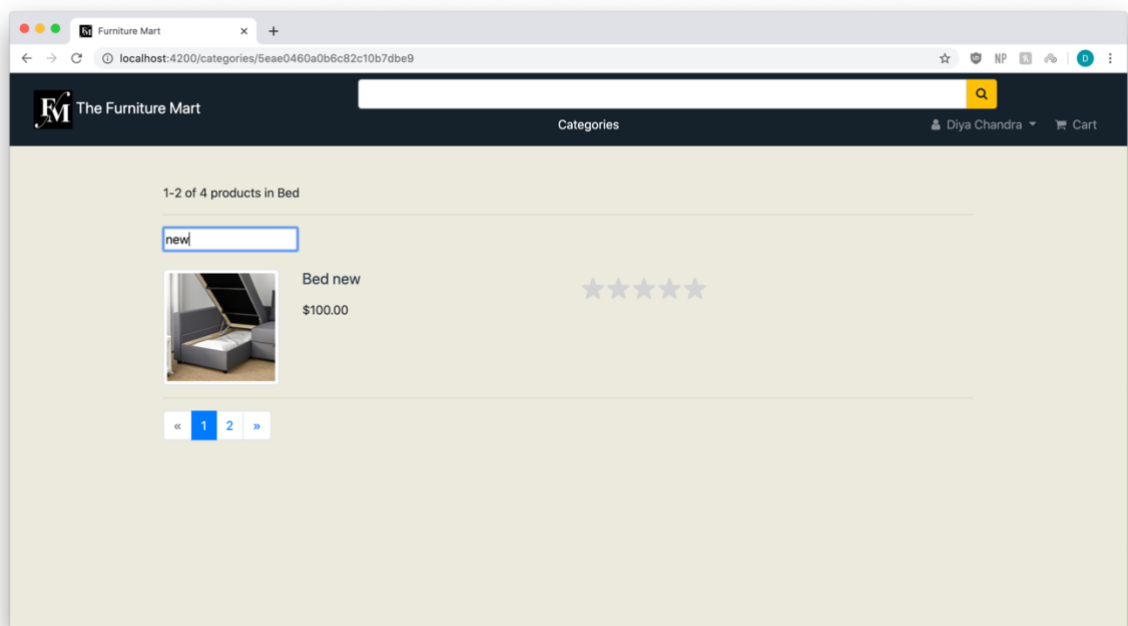
valid iii) the password is strong enough. Hashed versions of passwords are

stored in the database.

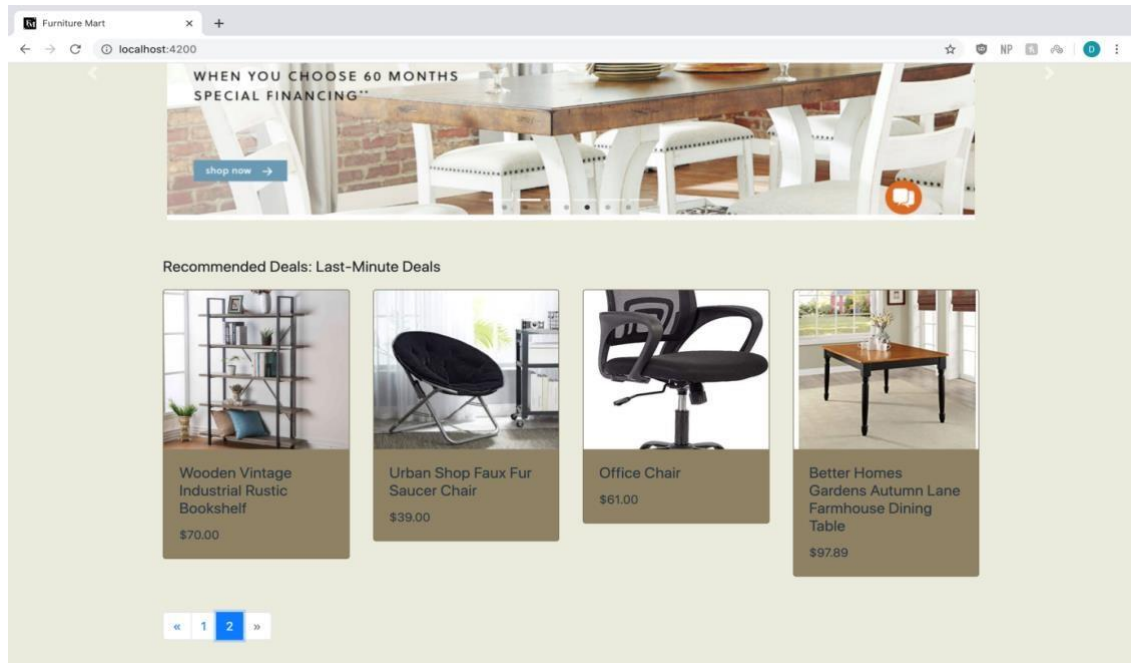
```
_id: ObjectId("5eb5cbb1a100a129a71be67b")
isSeller: false
created: 2020-05-08T21:14:25.445+00:00
name: "Diya Chandra"
email: "diya.chandra@gmail.com"
password: "$2s$10$ALflwbu2M4Nr..CZ17Re80fYzkczWg2/WghHsnJXwpbIb7aVdpby"
picture: "https://gravatar.com/avatar/a16d562e1b48d07213f6d8c2e18f30747s200&d=re..."
_v: 0
address: Object
```

- 2) User login – Registered user can login

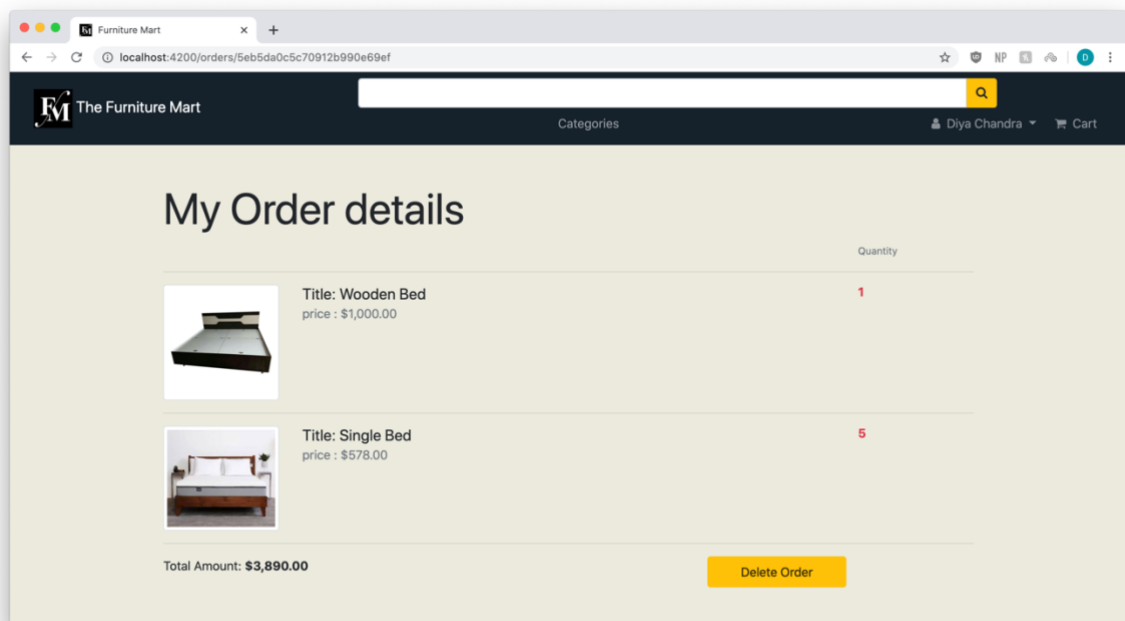
- 3) Available products will be listed. User can filter out the results based on category and can also search for a specific product. Search and filtering are integrated.



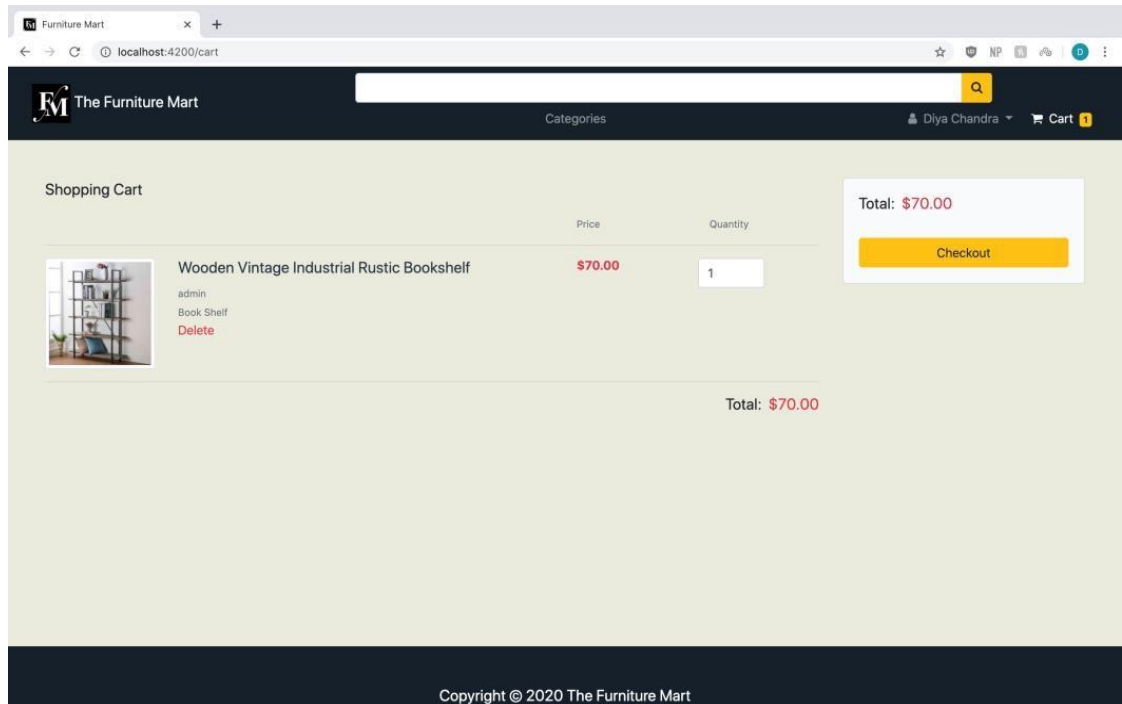
- 4) Paging functionality is incorporated with filtering, search and listing products functions.



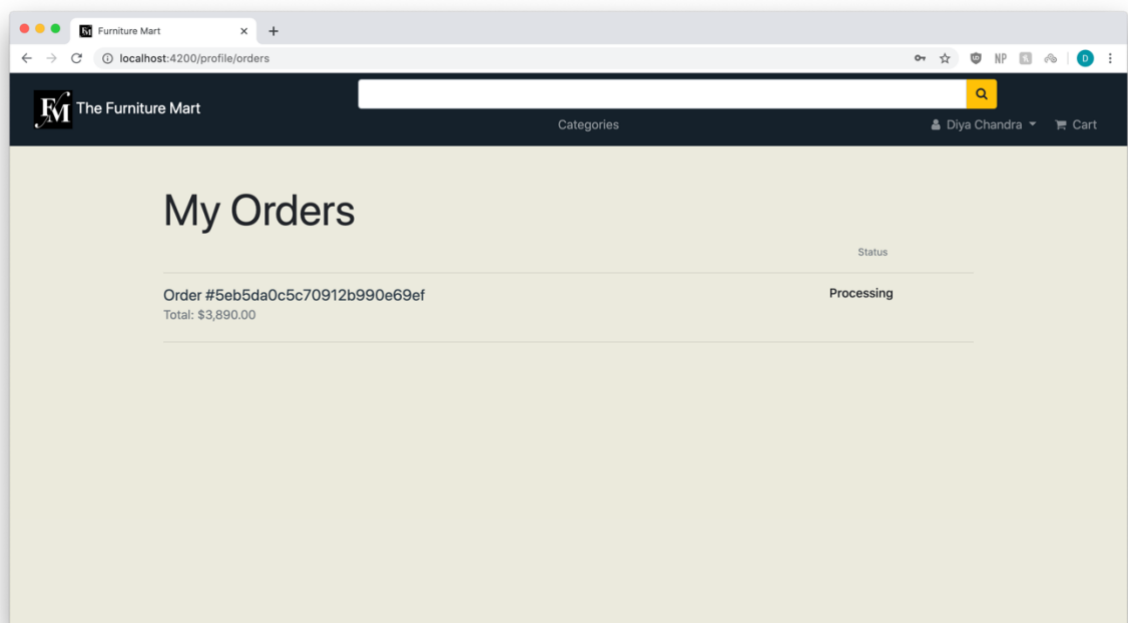
- 5) After logging in, the user can add products to the cart and checkout. Pricing is included. Once the product is checked out inventory will be updated. The user can track orders.



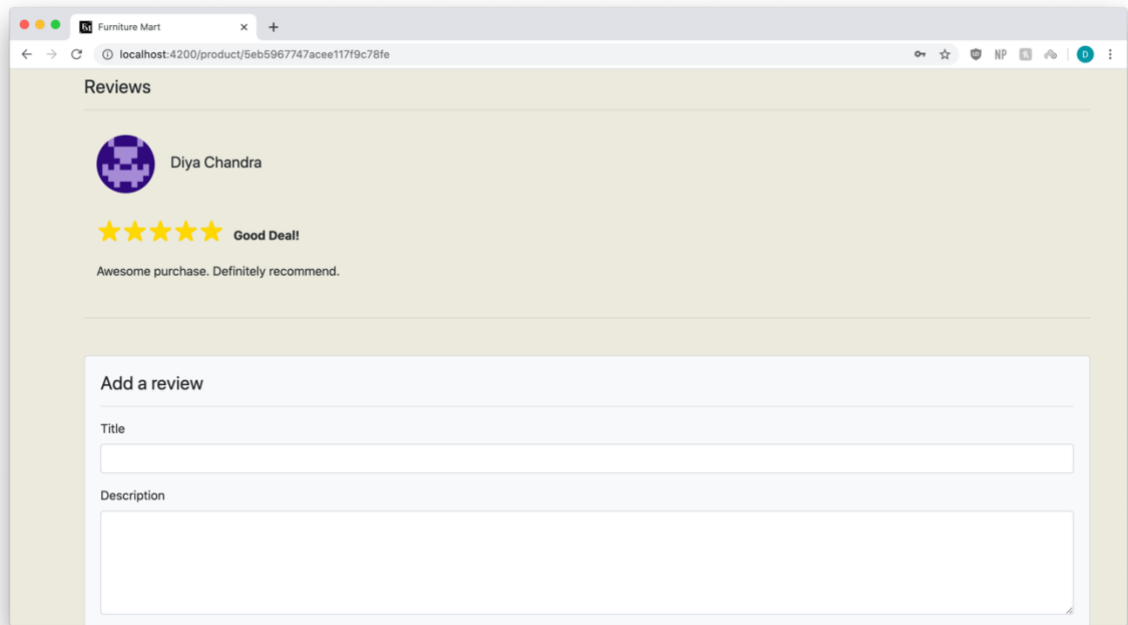
- 6) The user can remove the product or update their quantity in the cart.



7) User can see the history of purchases.



8) There is also a provision for ratings and review for the products bought by the users.



- 9) The admin user can add new items, list all products, update and delete (soft delete) items. While adding/updating items, the admin can upload/update images.

Furniture Mart x +

localhost:4200/profile/postproduct

Post a Product for Sale

Title

Price

Quantity

Category

Description

Upload Image

Choose File No file chosen

Post.

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localhost:4200/profile/myproducts

The Furniture Mart

Categories

admin Cart

My Products

		Price
	Bed_Twin Bed	\$1,500.00 Edit Delete
	Bed new Bed	\$100.00 Edit Delete
	Single Bed Bed	\$578.00 Edit Delete
	Wooden Bed	\$1,000.00

Database Design:

We used MongoDB for database implementation and hosted data on Atlas cluster.

Categories Model

```
{
  _id: <objectId>,
  name: String
}
```

Users Model

```
{
  _id: <objectId>,
  isAdmin: Boolean,
  created: DateTime,
  name: String,
  email: String,
  password: String,
  picture: String
}
```

Products Model

```
{
  _id: <objectId>,
  reviews: String,
  created: DateTime,
  owner: <objectId>,
  category: <objectId>,
  title: String,
  price: Number,
  quantity: Number,
  description: String,
  image: String,
  isDeleted: Boolean
}
```

Orders Model

```
{
  _id: <objectId>,
  totalPrice: Number,
  products: Array,
  owner: <objectId>
}
```

Reviews Model

```
{
  _id: <objectId>,
  rating: Number,
  created: DateTime,
  owner: <objectId>,
  title: String,
  description: String
}
```

Technologies:

Front-end: HTML, CSS, Bootstrap, AngularJS, AJAX, JQuery

Back-end: NodeJS, ExpressJS, MongoDB, MongoDB Atlas Service