Milestone 3 - Code Document

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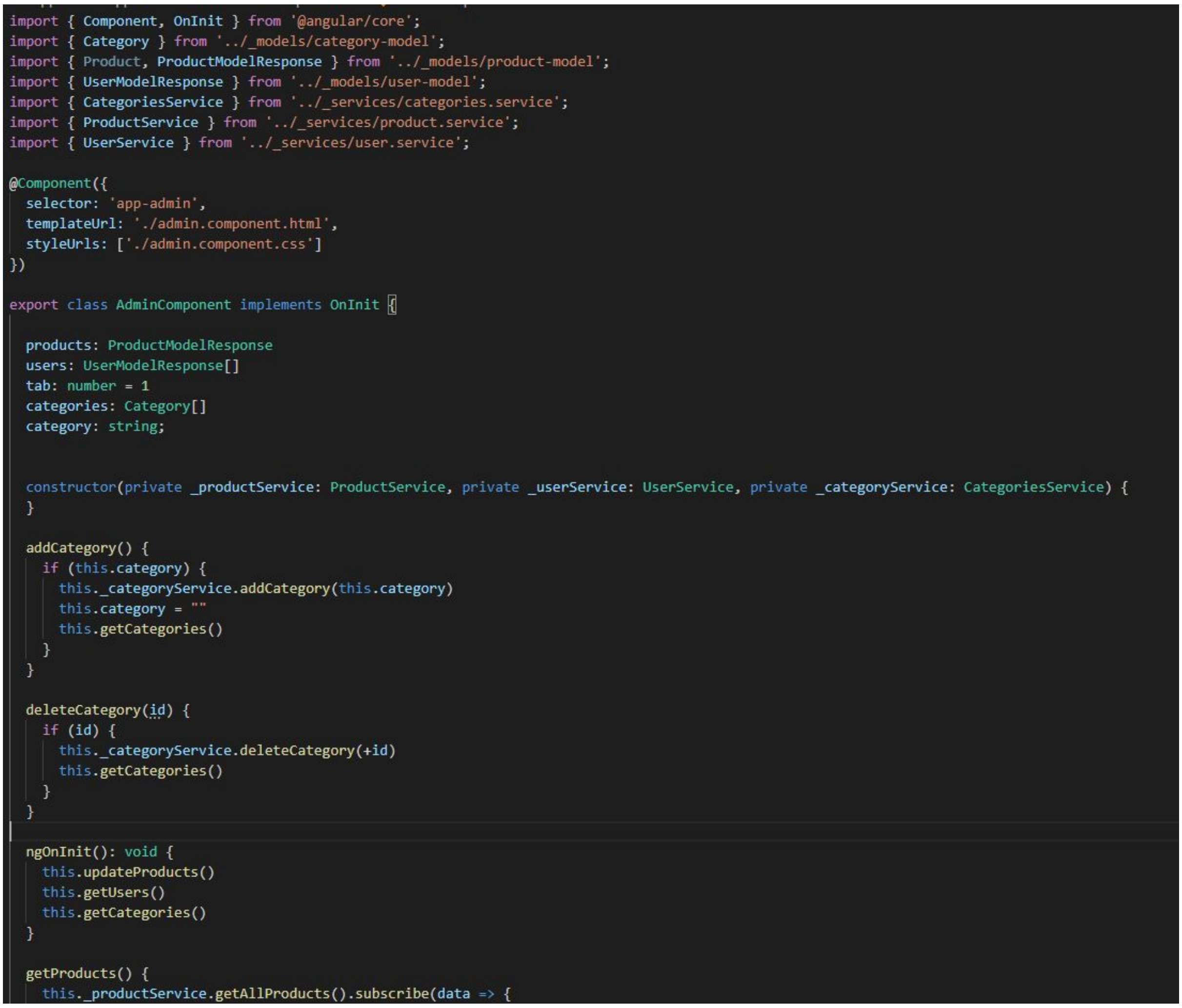
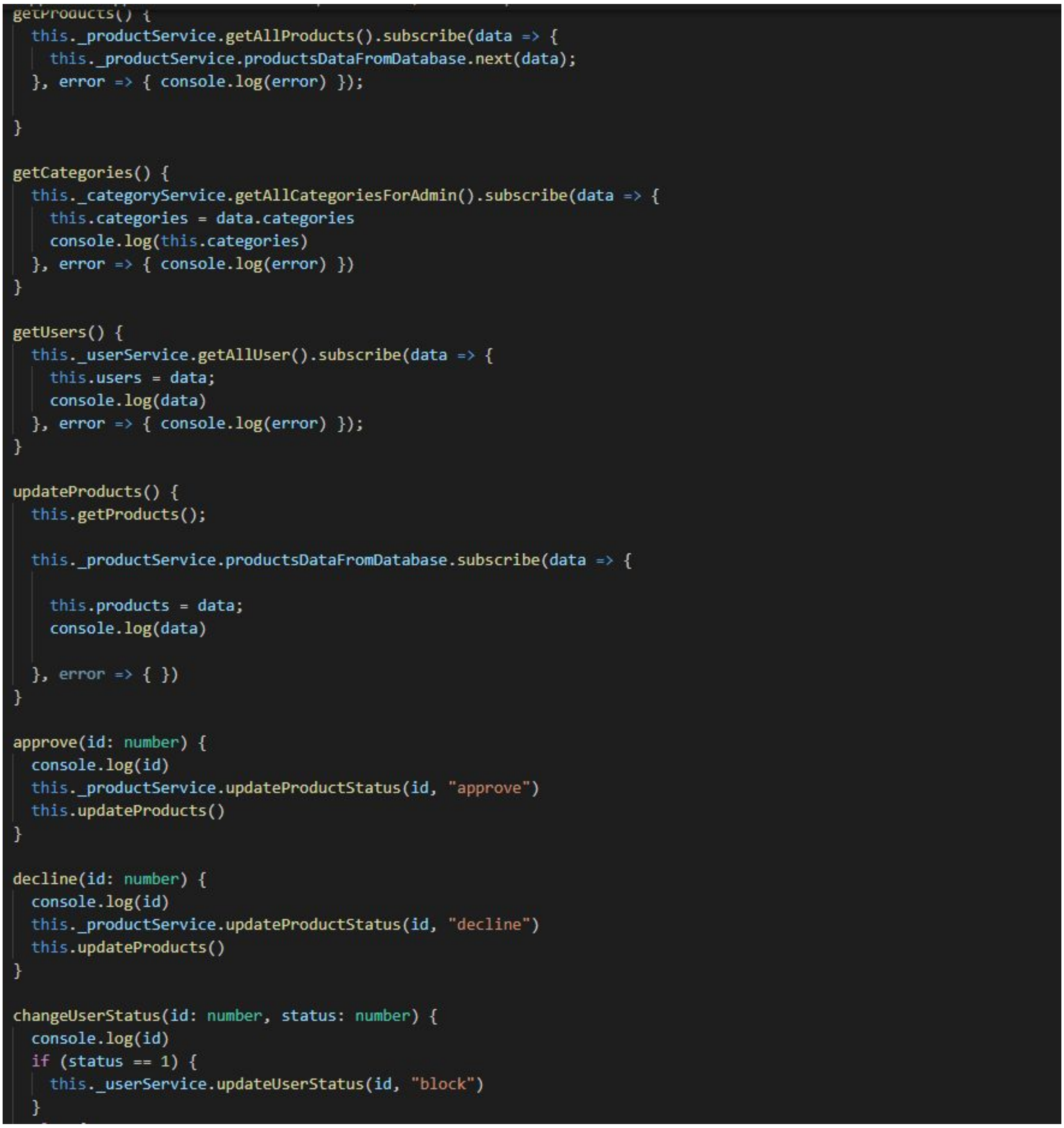
Front End Code

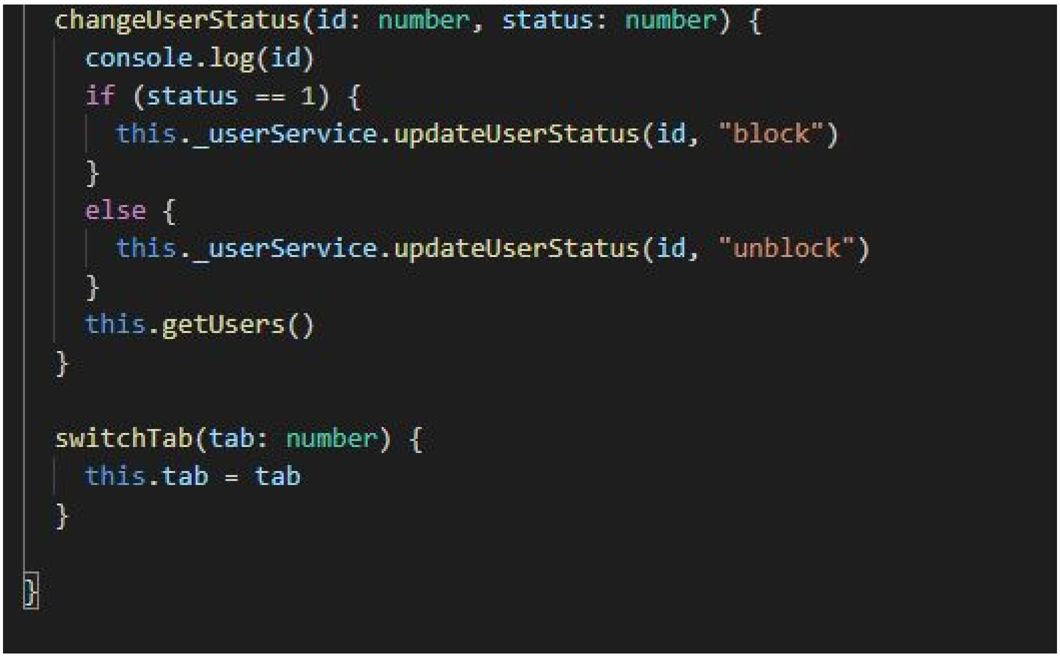
admin/admin.component.ts



```
import { Component, OnInit } from '@angular/core';
import { Category } from '../_models/category-model';
import { Product, ProductModelResponse } from '../_models/product-model';
import { UserModelResponse } from '../_models/user-model';
import { CategoriesService } from '../_services/categories.service';
import { ProductService } from '../_services/product.service';
import { UserService } from '../_services/user.service';

@Component({
  selector: 'app-admin',
  templateUrl: './admin.component.html',
  styleUrls: ['./admin.component.css']
})

export class AdminComponent implements OnInit {

  products: ProductModelResponse
  users: UserModelResponse[]
  tab: number = 1
  categories: Category[]
  category: string;


  constructor(private _productService: ProductService, private _userService: UserService, private _categoryService: CategoriesService) {
  }

  addCategory() {
    if (this.category) {
      this._categoryService.addCategory(this.category)
      this.category = ""
      this.getCategories()
    }
  }

  deleteCategory(id) {
    if (id) {
      this._categoryService.deleteCategory(+id)
      this.getCategories()
    }
  }

  ngOnInit(): void {
    this.updateProducts()
    this.getUsers()
    this.getCategories()
  }

  getProducts() {
    this._productService.getAllProducts().subscribe(data => {
```



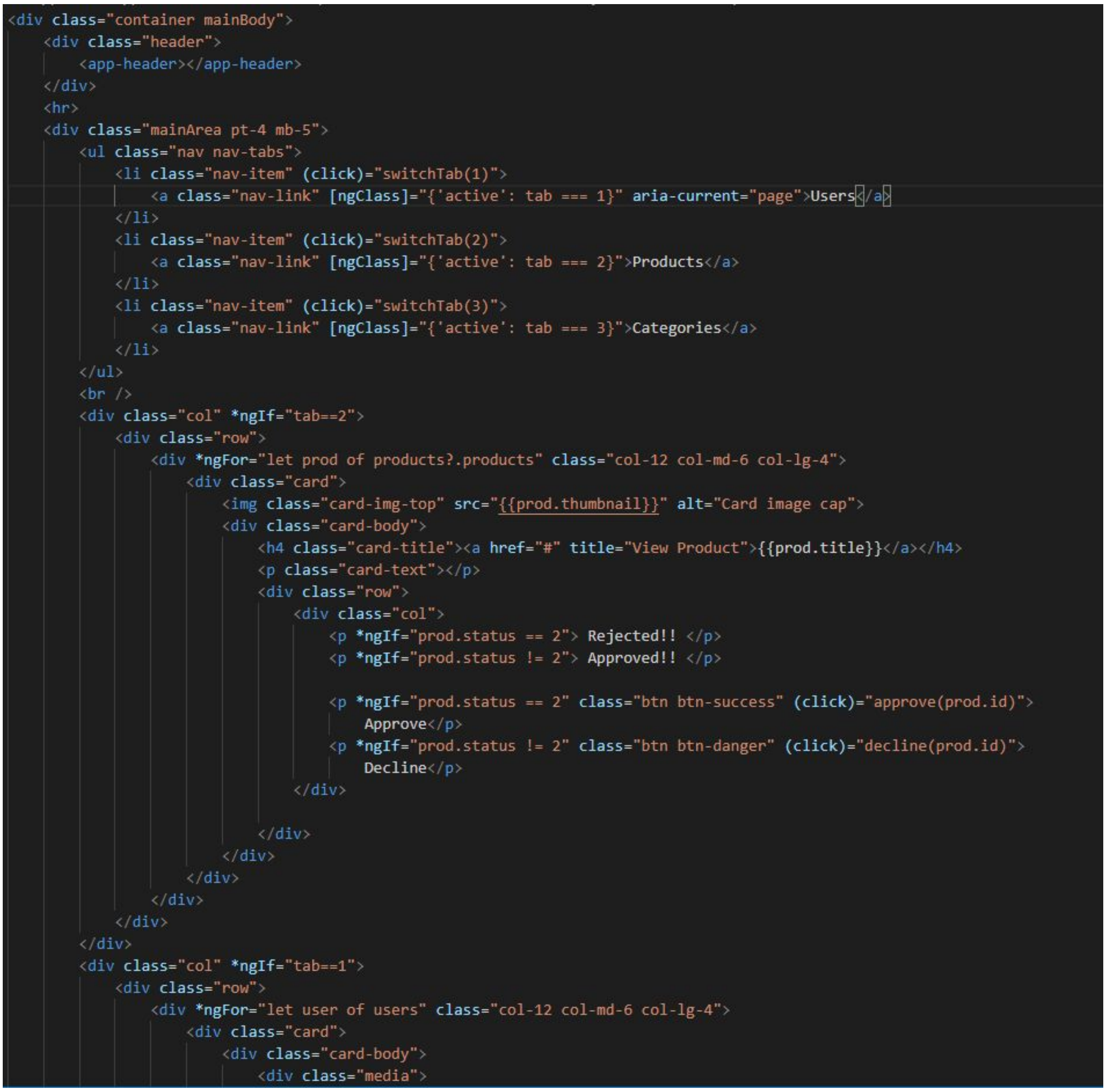
```
getProducts() {
  this._productService.getAllProducts().subscribe(data => {
    this._productService.productsDataFromDatabase.next(data);
  }, error => { console.log(error) });

}

getCategories() {
  this._categoryService.getAllCategoriesForAdmin().subscribe(data => {
    this.categories = data.categories
    console.log(this.categories)
  }, error => { console.log(error) })
}

getUsers() {
  this._userService.getAllUser().subscribe(data => {
    this.users = data;
    console.log(data)
  }, error => { console.log(error) });
}

updateProducts() {
  this.getProducts();

  this._productService.productsDataFromDatabase.subscribe(data => {

    this.products = data;
    console.log(data)

  }, error => { })
}

approve(id: number) {
  console.log(id)
  this._productService.updateProductStatus(id, "approve")
  this.updateProducts()
}

decline(id: number) {
  console.log(id)
  this._productService.updateProductStatus(id, "decline")
  this.updateProducts()
}

changeUserStatus(id: number, status: number) {
  console.log(id)
  if (status == 1) {
    this._userService.updateUserStatus(id, "block")
  }
```



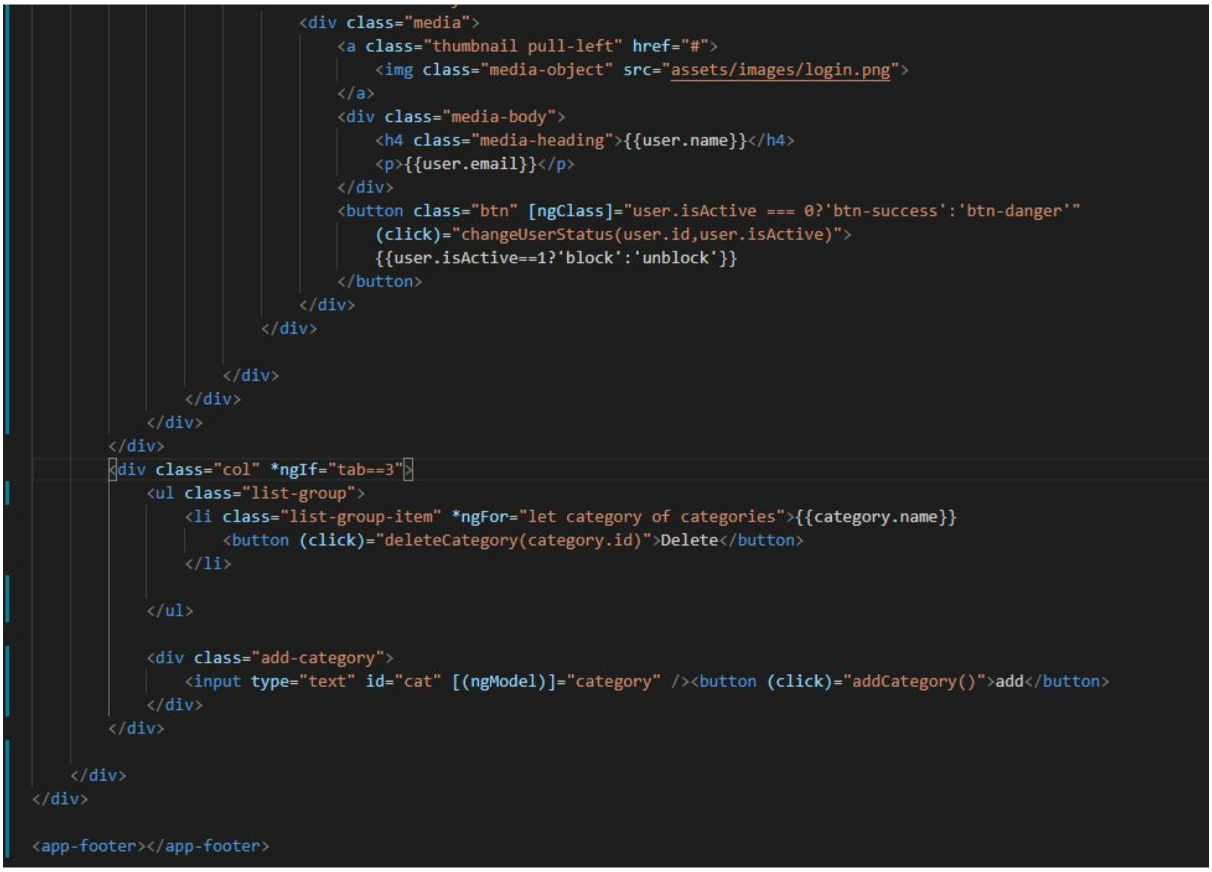
```
  changeUserStatus(id: number, status: number) {
    console.log(id)
    if (status == 1) {
      this._userService.updateUserStatus(id, "block")
    }
    else {
      this._userService.updateUserStatus(id, "unblock")
    }
    this.getUsers()
  }

  switchTab(tab: number) {
    this.tab = tab
  }

}
```

HTML

admin/admin.component.html



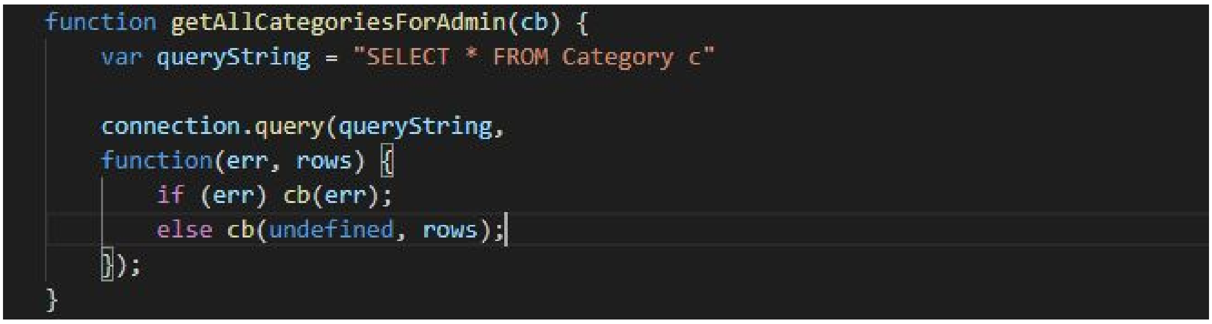
```
<div class="container mainBody">
    <div class="header">
        <app-header></app-header>
    </div>
    <hr>
    <div class="mainArea pt-4 mb-5">
        <ul class="nav nav-tabs">
            <li class="nav-item" (click)="switchTab(1)">
                <a class="nav-link" [ngClass]="{'active': tab === 1}" aria-current="page">Users</a>
            </li>
            <li class="nav-item" (click)="switchTab(2)">
                <a class="nav-link" [ngClass]="{'active': tab === 2}">Products</a>
            </li>
            <li class="nav-item" (click)="switchTab(3)">
                <a class="nav-link" [ngClass]="{'active': tab === 3}">Categories</a>
            </li>
        </ul>
        <br />
        <div class="col" *ngIf="tab==2">
            <div class="row">
                <div *ngFor="let prod of products?.products" class="col-12 col-md-6 col-lg-4">
                    <div class="card">
                        <img class="card-img-top" src="{{prod.thumbnail}}" alt="Card image cap">
                        <div class="card-body">
                            <h4 class="card-title"><a href="#" title="View Product">{{prod.title}}</a></h4>
                            <p class="card-text"></p>
                            <div class="row">
                                <div class="col">
                                    <p *ngIf="prod.status == 2"> Rejected!! </p>
                                    <p *ngIf="prod.status != 2"> Approved!! </p>

                                    <p *ngIf="prod.status == 2" class="btn btn-success" (click)="approve(prod.id)">
                                        Approve</p>
                                    <p *ngIf="prod.status != 2" class="btn btn-danger" (click)="decline(prod.id)">
                                        Decline</p>
                                </div>

                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
        <div class="col" *ngIf="tab==1">
            <div class="row">
                <div *ngFor="let user of users" class="col-12 col-md-6 col-lg-4">
                    <div class="card">
                        <div class="card-body">
                            <div class="media">
```



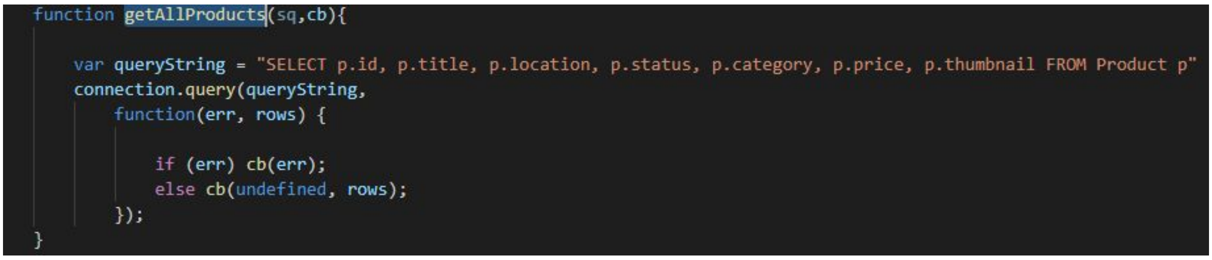
```
                            <div class="media">
                                <a class="thumbnail pull-left" href="#">
                                    <img class="media-object" src="assets/images/login.png">
                                </a>
                                <div class="media-body">
                                    <h4 class="media-heading">{{user.name}}</h4>
                                    <p>{{user.email}}</p>
                                </div>
                                <button class="btn" [ngClass]="user.isActive === 0?'btn-success':'btn-danger'"
                                    (click)="changeUserStatus(user.id,user.isActive)">
                                    {{user.isActive==1?'block':'unblock'}}
                                </button>
                            </div>
                        </div>

                    </div>
                </div>
            </div>
        </div>
        <div class="col" *ngIf="tab==3">
            <ul class="list-group">
                <li class="list-group-item" *ngFor="let category of categories">{{category.name}}
                    <button (click)="deleteCategory(category.id)">Delete</button>
                </li>

            </ul>

            <div class="add-category">
                <input type="text" id="cat" [(ngModel)]="category" /><button (click)="addCategory()">add</button>
            </div>
        </div>

    </div>
</div>

<app-footer></app-footer>
```

Backend

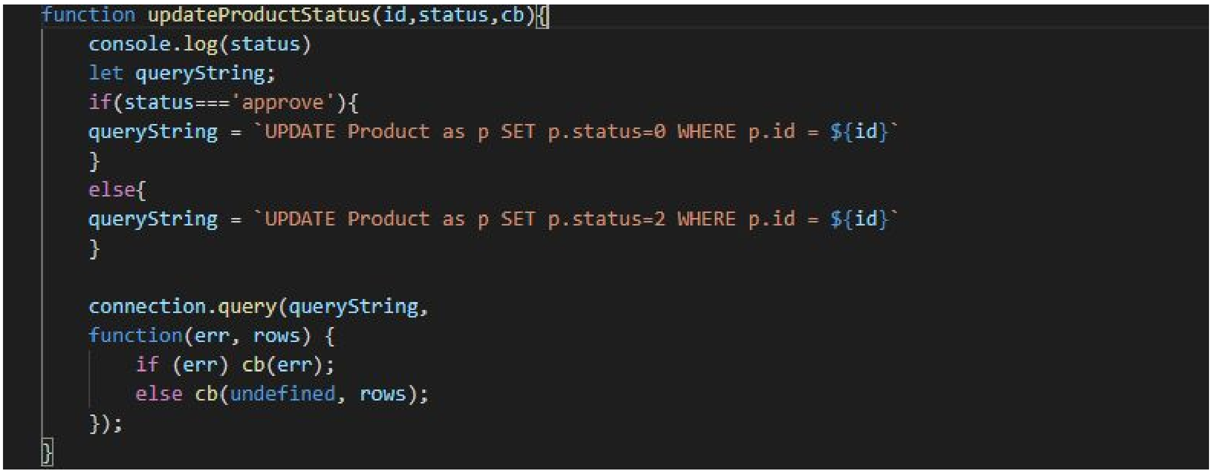
backend/sql.js



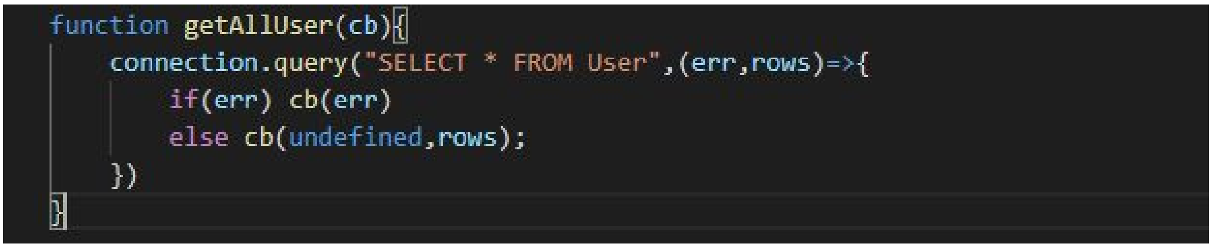
```javascript
function getAllCategoriesForAdmin(cb) {
    var queryString = "SELECT * FROM Category c"

    connection.query(queryString,
    function(err, rows) {
        if (err) cb(err);
        else cb(undefined, rows);
    });
}
```



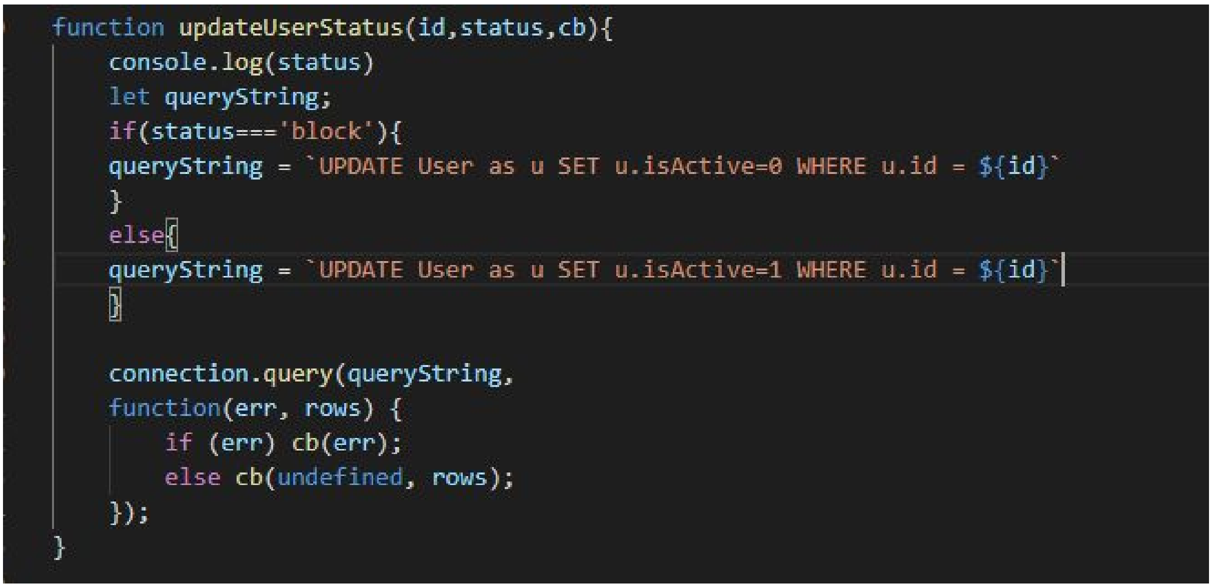
```javascript
function getAllProducts(sq,cb){

    var queryString = "SELECT p.id, p.title, p.location, p.status, p.category, p.price, p.thumbnail FROM Product p"
    connection.query(queryString,
        function(err, rows) {

            if (err) cb(err);
            else cb(undefined, rows);
        });
}
```



```javascript
function updateProductStatus(id,status,cb){
    console.log(status)
    let queryString;
    if(status==='approve'){
    queryString = `UPDATE Product as p SET p.status=0 WHERE p.id = ${id}`
    }
    else{
    queryString = `UPDATE Product as p SET p.status=2 WHERE p.id = ${id}`
    }

    connection.query(queryString,
    function(err, rows) {
        if (err) cb(err);
        else cb(undefined, rows);
    });
}
```



```
function getAllUser(cb){
    connection.query("SELECT * FROM User",(err,rows)=>{
        if(err) cb(err)
        else cb(undefined,rows);
    })
}
```



```
function updateUserStatus(id,status,cb){
    console.log(status)
    let queryString;
    if(status==='block'){
    queryString = `UPDATE User as u SET u.isActive=0 WHERE u.id = ${id}`
    }
    else{
    queryString = `UPDATE User as u SET u.isActive=1 WHERE u.id = ${id}`
    }

    connection.query(queryString,
    function(err, rows) {
        if (err) cb(err);
        else cb(undefined, rows);
    });
}
```