SAVAT

The cheapest prices only in SAVAT

Team Members:

Abdukhamidov Saidazim -U1810210 Fozilov Bobur - U1810105 Akhmedova Ziyoda - U1810189 Kenjaeva Mekhriniso - U1810285 Tashpulatova Azizabonu - U1810286

GitHub repository:

 $\frac{\text{https://github.com/iuthub/ip-group-project-sophomores-online-store/tr} ee/\text{master/savat}}{\text{store/tr}}$

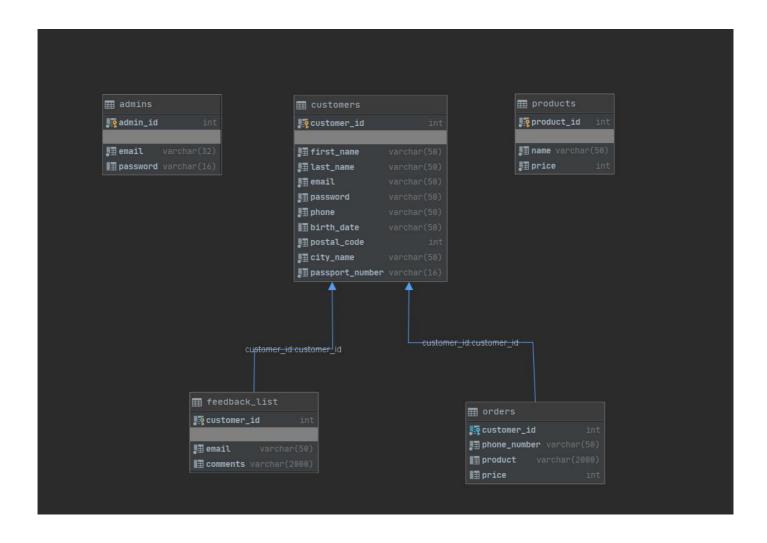
SAVAT is an online market for only eatables as drinks and vegetables. This web application can help people to find food and order them. In this application, we have 2 roles Admins and Customers. Admins can add products, manage orders, and feedback. Customers can search for products in our web application and order them by inserting just their phone number and send feedback to SAVAT managers.

We used **Angular** for making Single Page Application to make experience of user easier and faster. Also, we used **Angular Material** for styled components and **Bootstrap** for making our application responsive. **PHP** is used for only connecting to database and getting data using **REST API**s.

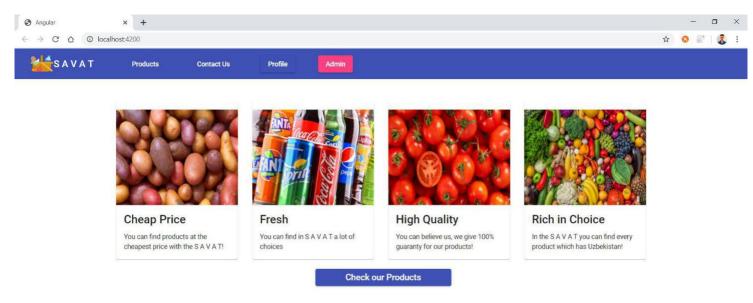
We created 5 tables:

Customers, admins, products, feedback_list and orders.

All registered customers are inserted into customers table. Admins are in the admins table. Produts table is for saving products. Feedback_list and orders tables have relationship with customers table their keys are connected to customer_id in the customers table.



When user starts using this application, firstly landing page will be opened.



In angular/src/app/components/home directory there is home component for implementing this page.

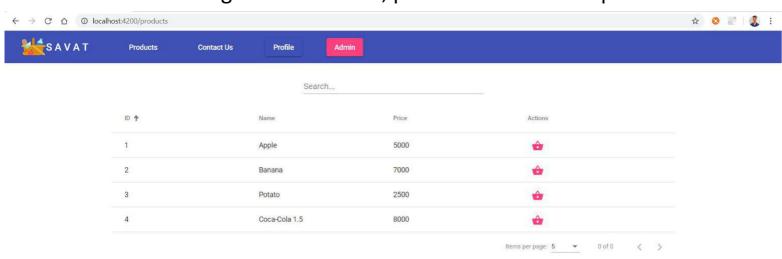
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div class-contrains at-5°s

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```

This is our *app-routing.module* All our routerLinks implemented in this file.

If user navigate to Products, products list will be opened



We used Table of Angular Material, in this table we can do **searching**, **sorting**, **paging**.

Implementation of this page in: app/components/products/products.ts

This is template for Products page

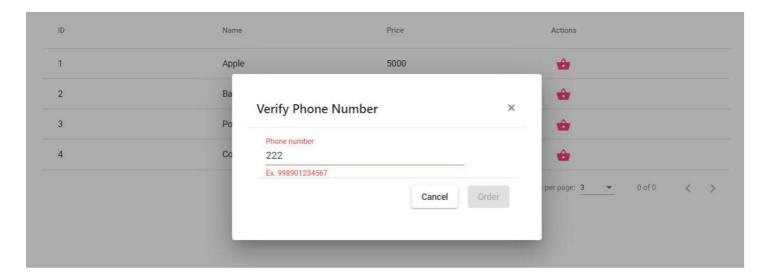
```
<input matInput type="text" (keyup)="doFilter($event.target.value)" placeholder="Search...">
</mat-form-field>
<mat-table [dataSource]="dataSource" matSort matSortStart="asc">
  <ng-container matColumnDef="product_id">
  </ng-container>
  <ng-container matColumnDef="name">
    <mat-header-cell *matHeaderCellDef mat-sort-header>Name/mat-header-cell>
    <mat-cell *matCellDef="let products"> {{products.name}} </mat-cell>
  </ng-container>
  <ng-container matColumnDef="price">
  </ng-container>
  <ng-container matColumnDef="actions">
    <mat-header-cell *matHeaderCellDef mat-sort-header>Actions/mat-header-cell>
    <mat-cell *matCellDef="let products">
      <button mat-icon-button color="accent" matTooltip="Order This Product"</pre>
              (click)="openOrderModal()">
    </mat-cell>
```

This is logic of **Producs** page. In the AdminService there are all functions for manipulationg with **REST API** using **HttpClient**.

```
export class ProductsComponent implements OnInit, AfterViewInit {
 products: Products[];
 dataSource = new MatTableDataSource<Products>();
 @ViewChild(MatSort) sort: MatSort;
 @ViewChild(MatPaginator) paginator: MatPaginator;
 constructor(private adminService: AdminService,
             private modal: MatDialog,) {
 ngOnInit() {
   this.getProducts();
 openOrderModal() {
   const modal = this.modal.open(ModalOrder, config: {
   modal.afterClosed().subscribe( next: result ⇒ {
     this.getProducts();
 ngAfterViewInit() {
   this.dataSource.sort = this.sort;
   this.dataSource.paginator = this.paginator;
 doFilter(value: string) {
   this.dataSource.filter = value.trim().toLocaleLowerCase();
 getProducts() {
   this.adminService.getProductList().subscribe( next: data ⇒ {
     this.dataSource.data = data as Products[];
```

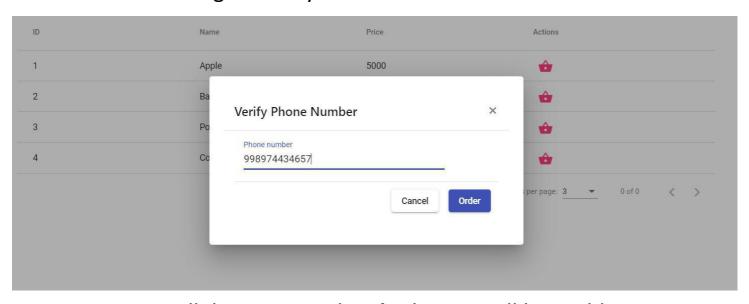
openOrderModal() function is for opening modal for ordering product. That means:

If we click to **basket** icon:



User should be insert own phone number and we used **validation** for escaping mistakes. If there is mistake, **Order** button will be **disabled**.

After writing correctly:

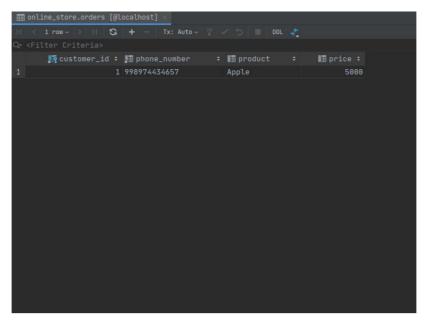


Errors will disappear and Order button will be usable.

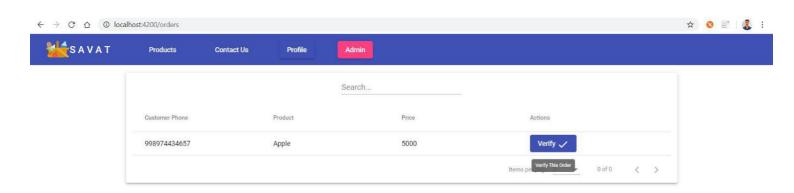
We used Angular's **FormBuilder** validator **patterns** for validate that input.

```
</11V>
    </div>
export class ModalOrder {
order: Orders = new Orders();
 validate = new FormGroup( controls: {});
 constructor(private adminService: AdminService,
             private customerService: CustomerService,
              private fb: FormBuilder,
              private modal: MatDialogRef<ModalOrder>,
              @Inject(MAT_DIALOG_DATA) public data: Products) {
    this.validate = fb.group( controlsConfig: {
      'phone_number': ['', [Validators.pattern( pattern: '[6-9]\\d{11}')]],
 orderProduct() {
   this.customerService.orderProduct(this.order)
     .subscribe( next: data ⇒ console.log(data),
        error: error ⇒ console.log(error));
 close() {
```

After ordering correctly, order will appear in **orders** table:

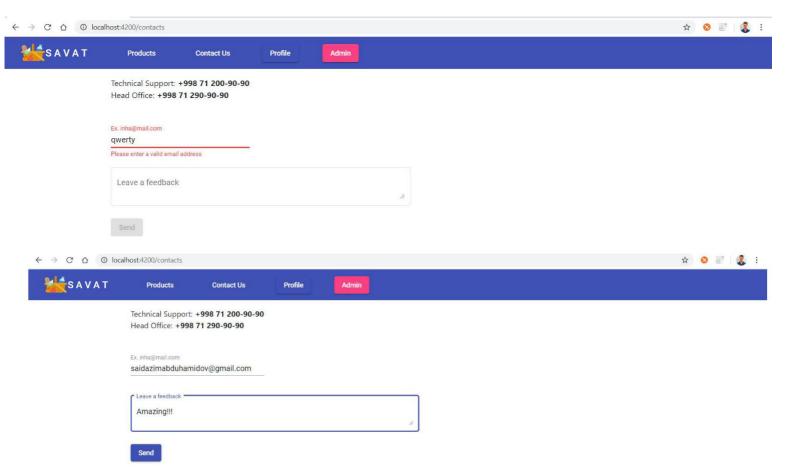


Admin can see and verify that order in Orders List.

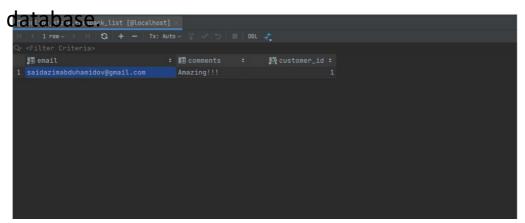


Also, users can send **feedback** to managers using **Contact Us** link:

If user insert invalid email address error appears instantly, and **Send** button will be disabled

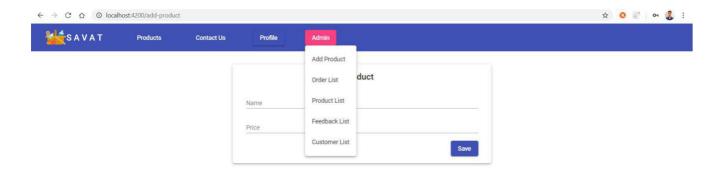


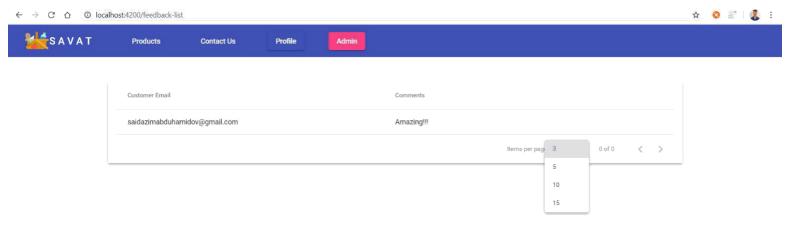
After inserting values correctly, **feedback** will be inserted to the **feedback_list** table in



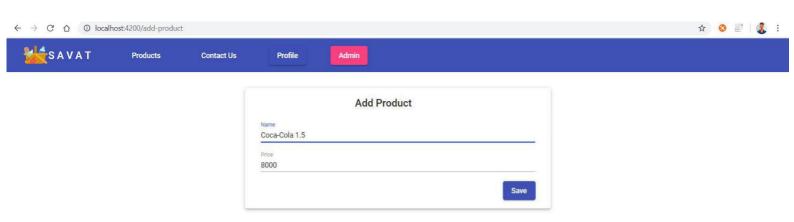
In **sendFeedback()** function we used sendFeedback function of **CustomerService** for **POST** HTTP request

After putting feedback in database, Admins can see **feedback** in **Feedback List** link:

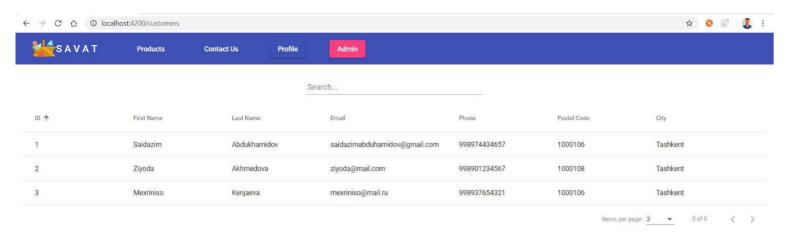




If user click **Add Product** button in the menu of **Admin** button, user can add product by this form

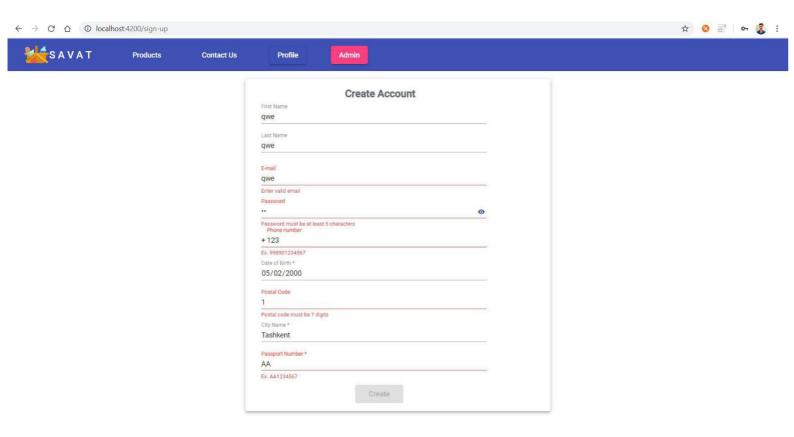


And **Admin** can see list of registered customers:



Finally, **Login** and **Registration** pages. Users can Login or make Registration using **Profile** button in the **nav-bar**

In the registration page, we put validations for important values. For example:



Email is our login for **Entering** and it should be **at least 5 characters as Password**, Other input forms also have validations. With **errors** Create button **does not** work.

| SAVAT | Products | Contact Us | Profile | Admin | |
|--------------|----------------|-------------------|--|--|--|
| | | | First Name | Create Account | |
| | | | Saidazim | | |
| | | | Abdukhamidov | | |
| | | | E-mail saidazimabduhan | nidov@gmail.com | |
| | | | Password | | |
| | | | a1234567 Phone number | 8/16 | |
| | | | + 998974434657 | | |
| | | | Date of Birth * 05/02/2000 | | |
| | | | Postal Code 1000106 Ex. 100100 | | |
| | | | City Name * Tashkent | | |
| | | | Passport Number * AA1234567 | | |
| | | | AA1234567 | | |
| | | Į. | | Create | |
| | 4 | sign-up.component | .ts x | | |
| | 6 | | | | |
| | 9 18 | | | | |
| | 11. | | | t implements OnInit { | |
| | 13 14 | | ion = <mark>new</mark> FormGr : Customers = <mark>ne</mark> | roup(controls: {}); w Customers(); | |
| | 15 16 17 | | | merService: CustomerService, formBuilder) { | |
| | 18 19 20 | | | <pre>group(controlsConfig: { tors.min(min: 5), Validators.max(max: 16)]],</pre> | |
| | 21 22 | | vord': ['', [Val L': ['', [Valida | .idators.min(min: 5), Validators.max(max: 16)]], .tors.email]], | |
| | 23 | | | [Validators.pattern(pattern: '[6-9]\\d{11}')]], Validators.pattern(pattern: '[0-9]{7}')]], | |
| | 26 27 | }) } | | ', [Validators.pattern(pattern: '[A-Z]{2}[0-9]{7}')]] | |
| | 28 29 | of ngOnInit() | | | |
| | 30 31 | | | | |
| | 32 33 | | stomerService. re | rgister(this.customers) | |
| | 35 36 | | | a ⇒ console.log(data), sole.log(error)); stomers(): | |
| | 37 38 | | | | |
| | 70 | | | | |

There are our services:

admin.service.ts

```
definition to the control of th
```

```
dain.service.ts > decustomer.service.ts >

import ...

@Injectable({
    providedIn: 'root'
})

export class CustomerService {
    private url = 'http://127.8.8.1:8888';

constructor(private http: HttpClient) {
}

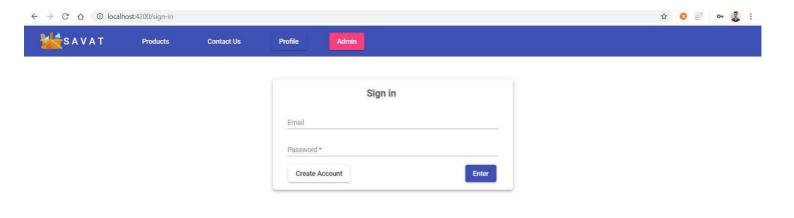
orderProduct(product: Object): Observable<Object> {
    return this.http.post( url: '${this.url}/api/createOderItems', product);
}

sendFeedback(feedback: Object): Observable<Object> {
    return this.http.post( url: '${this.url}/api/createFeedback_list.php', feedback);
}

register(customer: Object): Observable<Object> {
    return this.http.post( url: '${this.url}/api/createCustomers.php', customer);
}

register(customer: Object): Observable<Object> {
    return this.http.post( url: '${this.url}/api/createCustomers.php', customer);
}
}
```

In the *savat/api* foler there are logic of our **PHP**, connecting to database, getting and setting data. For this reason next to our **URL** we add path of that files



Unfortunately, we could not make role-based authorization. For this reason, Login page does not work, but users can use this application without entering to own profile.