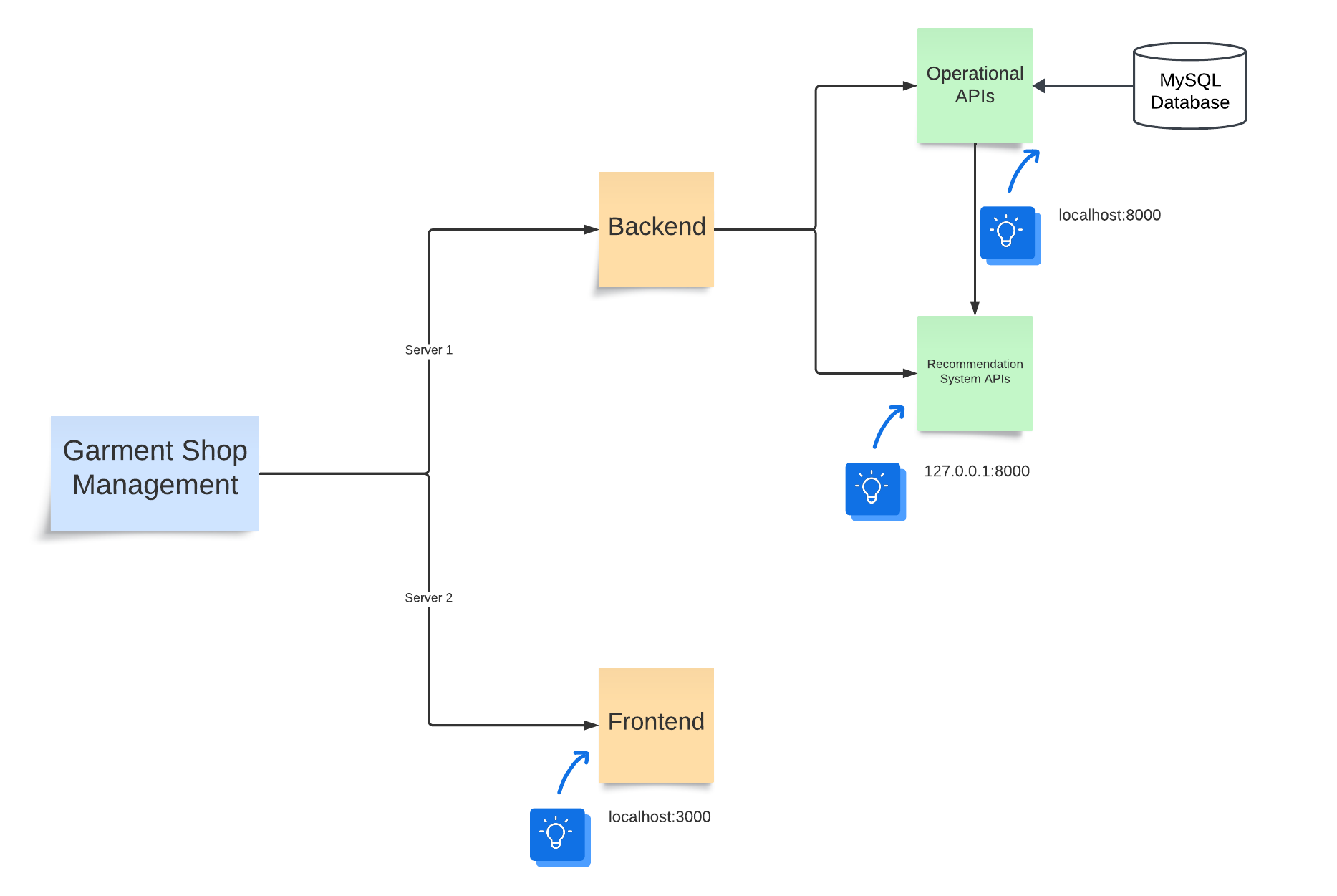
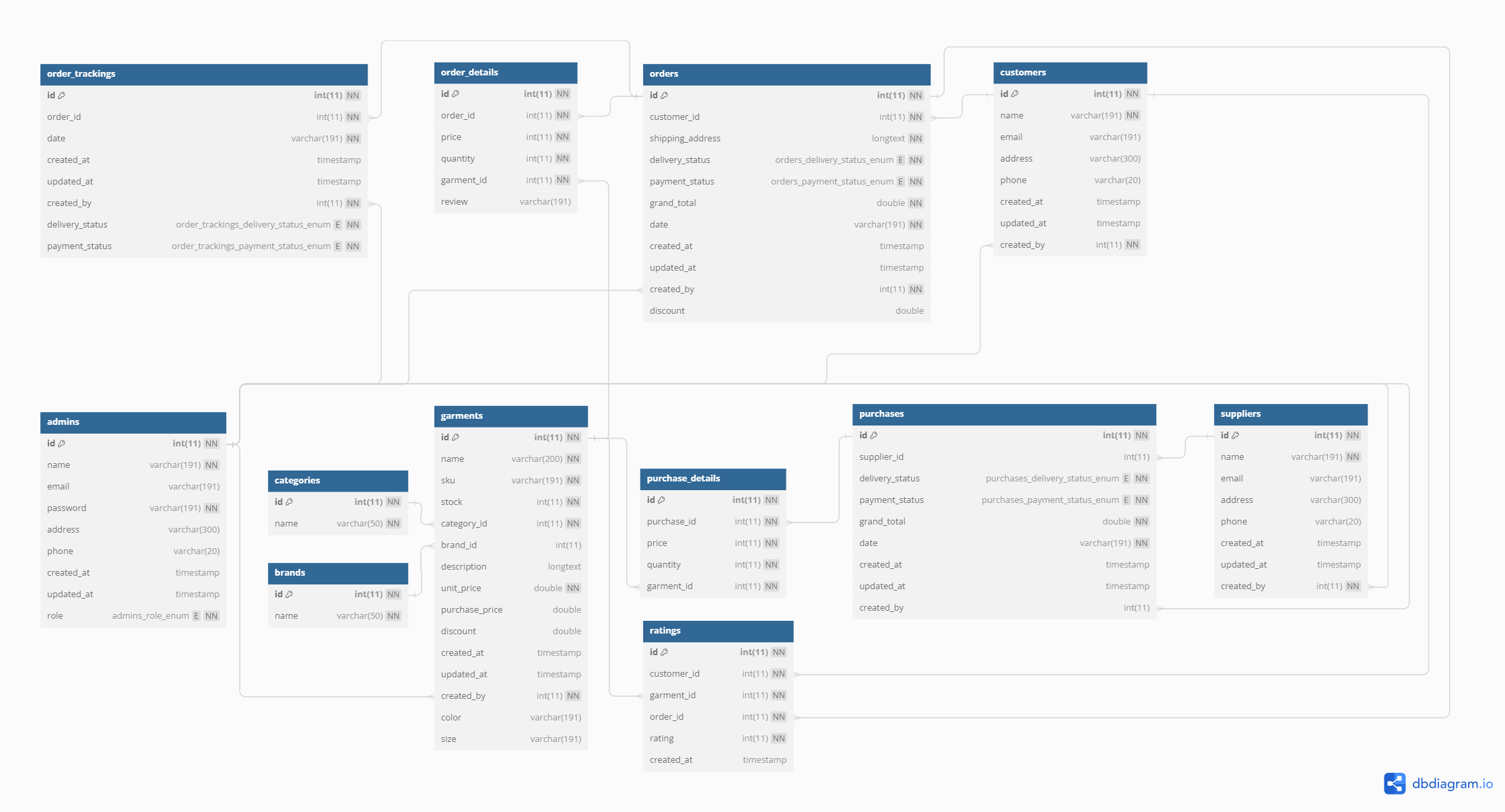
**Garment Shop Management System**

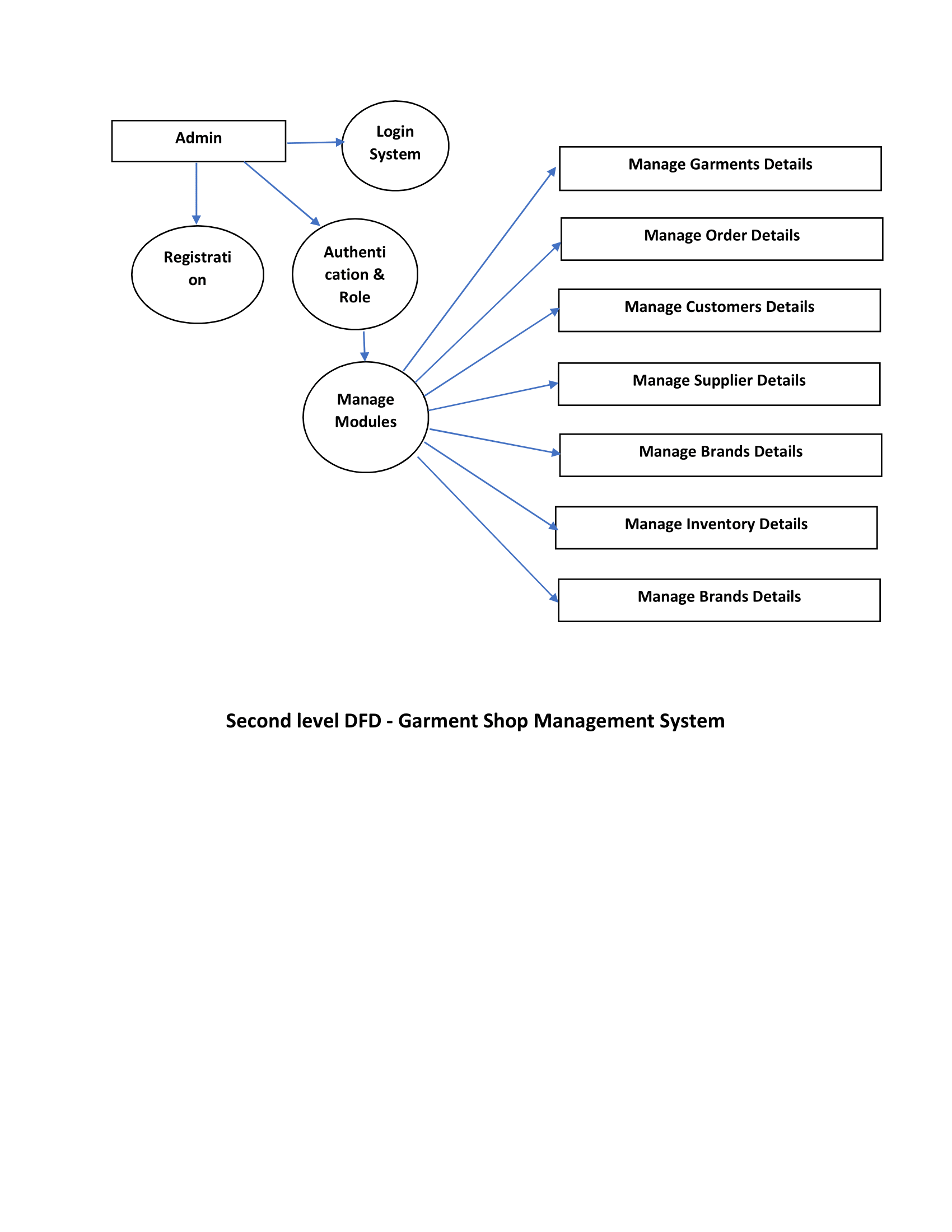
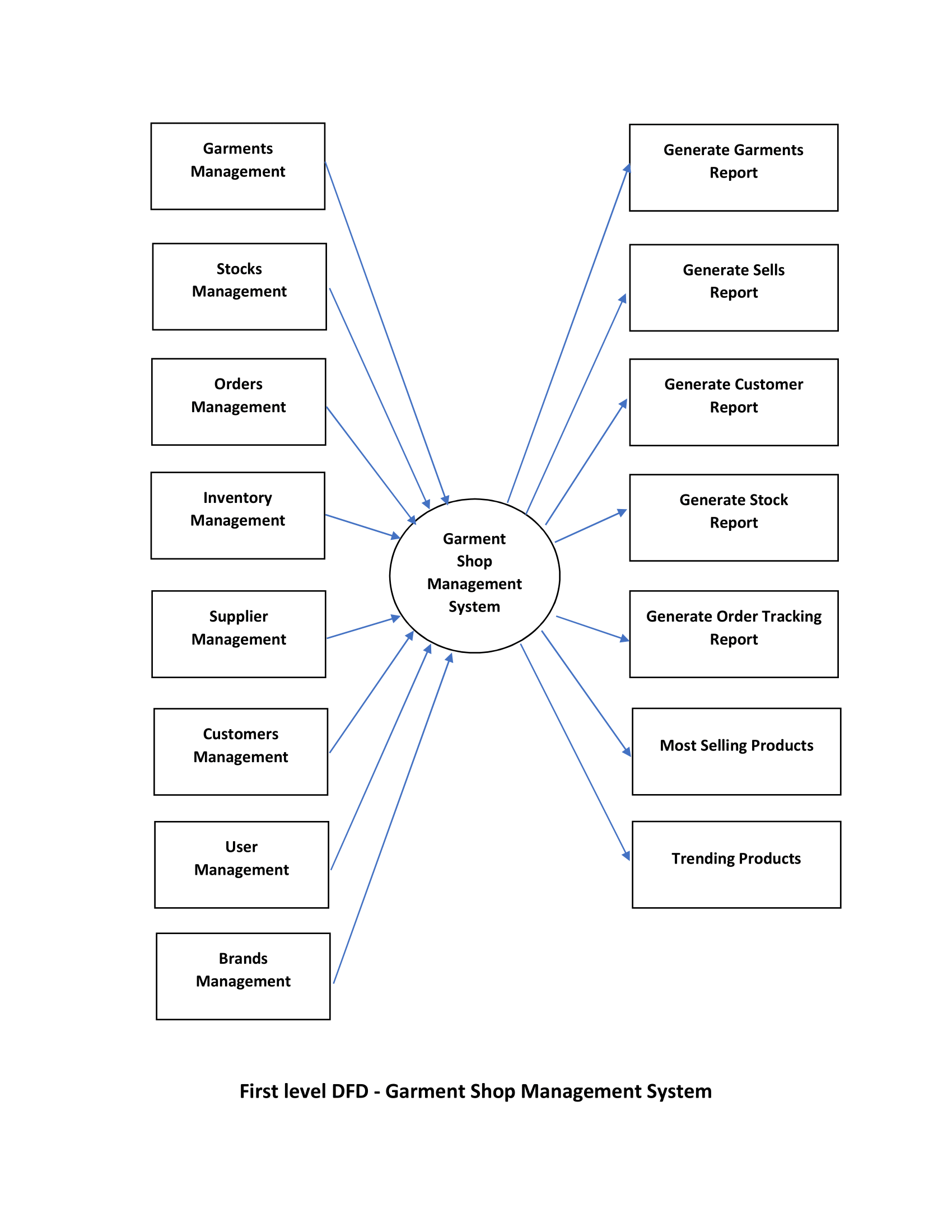
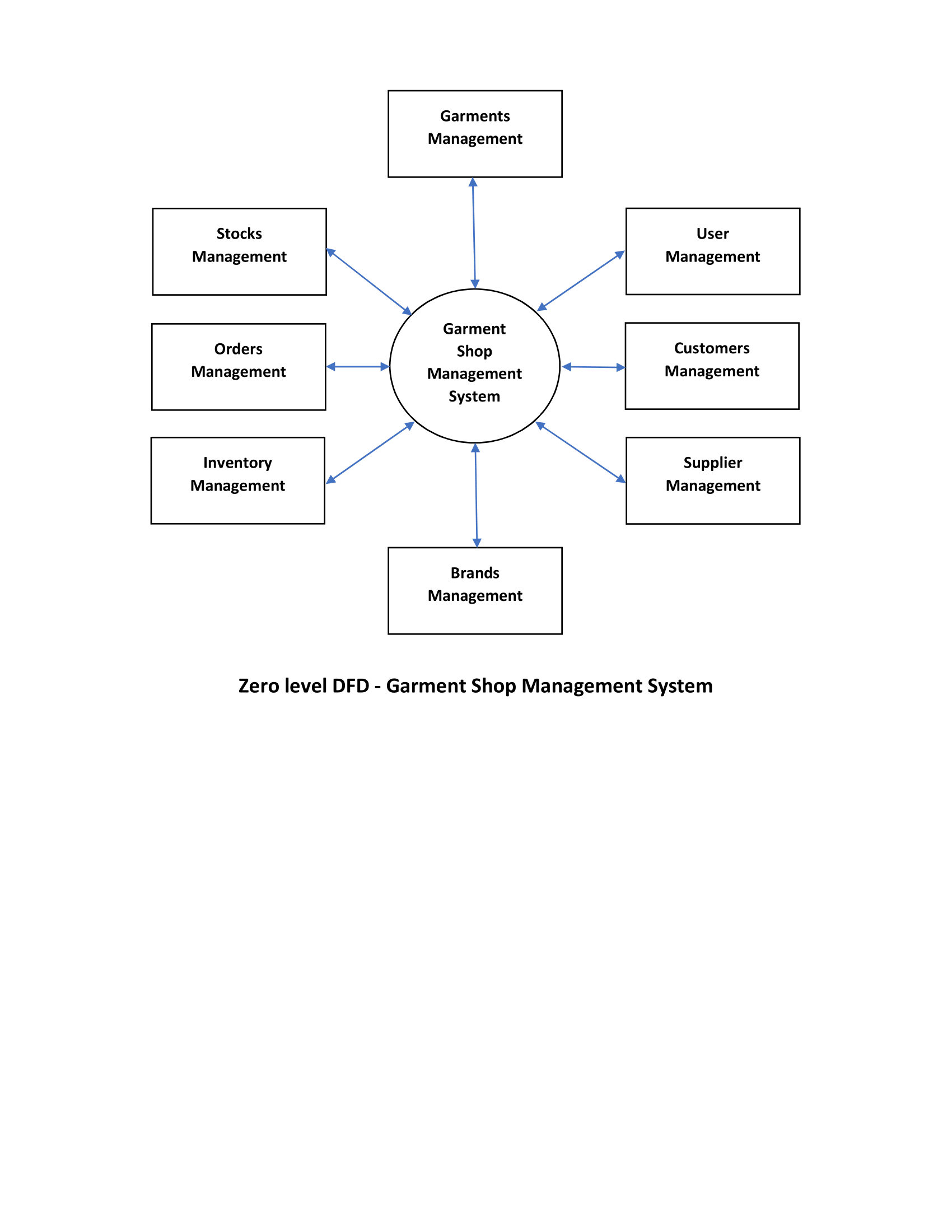
**System Architecture**



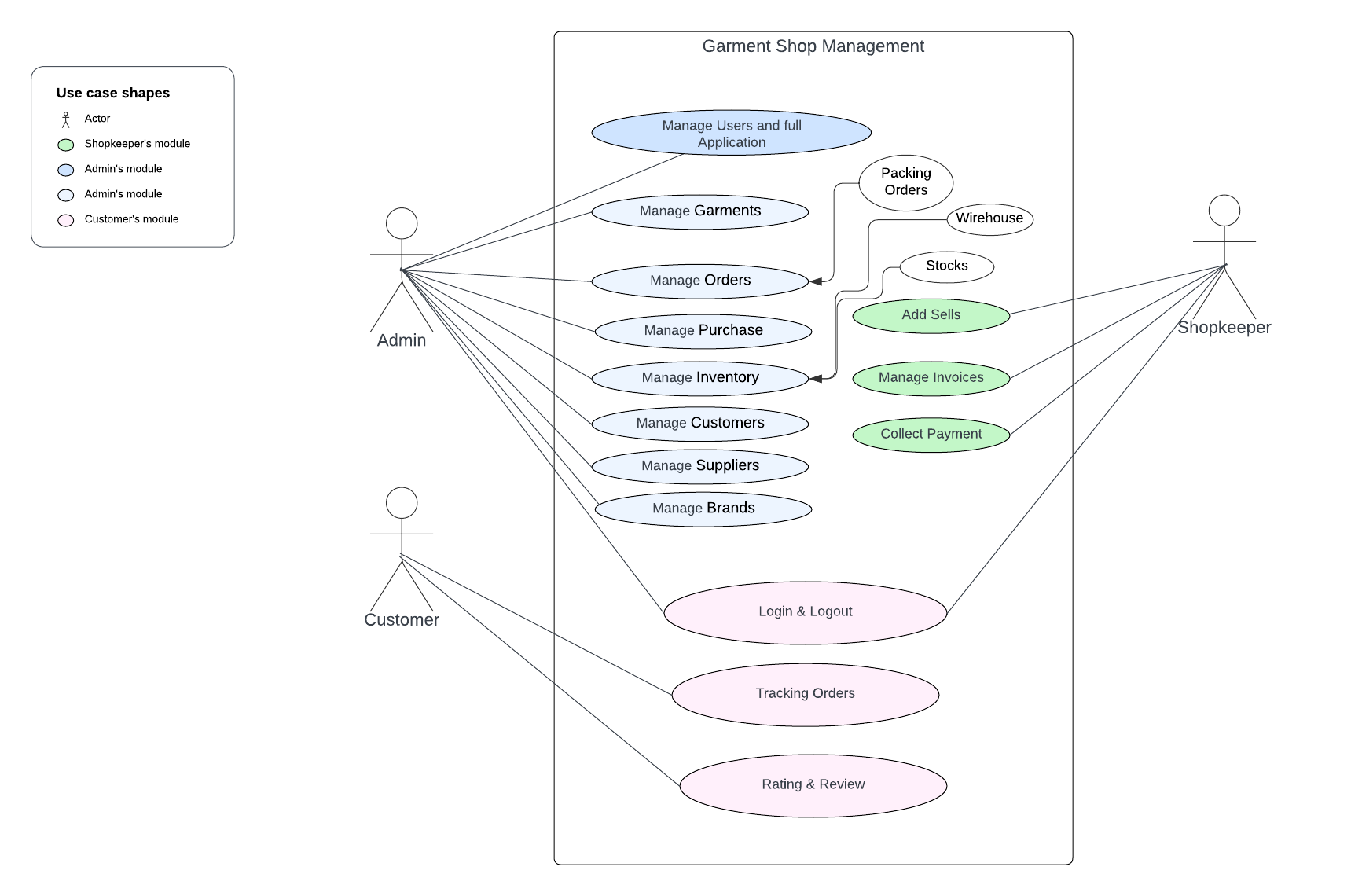
**Database Architecture**

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**Data flow diagram**



**Use Case diagram**



**Backend Development**

**Technology Stack:** Node Js

**Framework:** Express.js

**ORM:** Prisma

**Database:** MYSQL

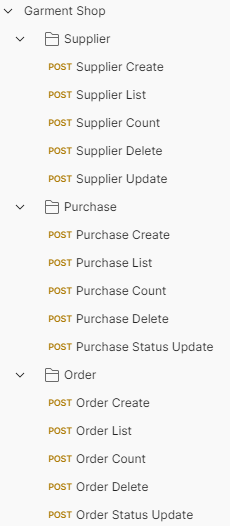
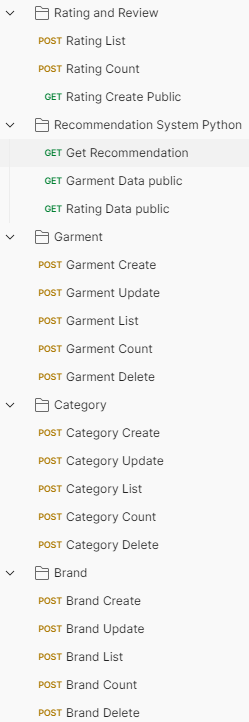
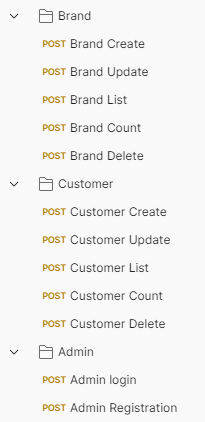
**Machine learning:** Python

**Base URL**

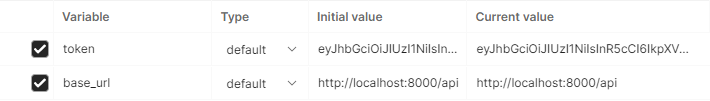
**Primary :** http://localhost:8000/api

**Recommendation System :** http://127.0.0.1:8000/recommendation

**REST APIs**

**Environment Variables:**

****

**API Documentation:**

|  |  |  |  |
| --- | --- | --- | --- |
| Module | Sub Module | Endpoint | Response |
| Admin | Login | {Base\_url}/admin/login  Authorization: Bearer Token  *Request Body:*  {  "email":[admin@gmail.com](mailto:admin@gmail.com)  "password":"123456",  } | *Response:*  {      "success": **true**,      "getadmin": [          {              "id": 1,              "name": "Admin",              "role": "Admin",              "email": "admin@gmail.com",              "password": "e10adc3949ba59abbe56e057f20f883e",              "address": **null**,              "phone": "01795621796",          }      ],      "accessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwiZW1haWwiOiJhZG1pbkBnbWFpbC5jb20iLCJwYXNzd29yZCI6IjEyMzQ1NiIsImlhdCI6MTcxMzI1MDYwMCwiZXhwIjoxNzEzMzM3MDAwfQ.BV9VVmKlALXBFYzkBMXl\_FM8CMaJneE6kYIoKQh\_h2o"  } |
| Registration | {Base\_url}/admin/registration  Authorization: Bearer Token  *Request Body:*  {    "name":"admin3",    "password":"123456",    "email":" admin3@gmail.com",    "phone":"01795621796",    "type":"SuperAdmin"  } | *Response:*  {      "success": **true**,      "message": "admin created successfully!",      "accessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6NiwiaWF0IjoxNzEzMjUxNTUyLCJleHAiOjE3MTMzMzc5NTJ9.2ItVO1x9b7tEekpnMhDAYu2SLyu-gJ1et6F0O3PApXk",      "id": 6  } |
| Customer | Create | {Base\_url}/customer/create  Authorization: Bearer Token  *Request Body:*  {    "name":"customer5",    "email":"customer5@gmail.com",    "address":"15/2, Dhanmondi-15, Dhaka-1207",    "phone":"01711112222"  } | *Response:*  {      "success": **true**,      "message": "Created Successful"  } |
| Update | {Base\_url}/customer/update  Authorization: Bearer Token  *Request Body:*  {    "id":"1",    "name":"customer5 new",    "email":"customer5@gmail.com",    "address":"15/2, Dhanmondi-15, Dhaka-1207",    "phone":"01711112222"  } | *Response:*  {      "success": **true**,      "message": "Update Successful"  } |
| List | {Base\_url}/customer/list?take=&&skip=  Authorization: Bearer Token | *Response:* |
| Count | {Base\_url}/customer/count  Authorization: Bearer Token | *Response:*  {      "data": 6  } |
| Delete | {Base\_url}/customer/delete  Authorization: Bearer Token  *Request Body:*  {    "id":1  } | *Response:*  {      "success": **true**,      "message": "Delete Successful"  } |
| Supplier | Create | {Base\_url}/supplier/create  Authorization: Bearer Token  {      "name": "supplier 2",      "email": "supplier2@gmail.com",      "address": "sample address",      "phone": "01711112222"  } | *Response:*  {      "success": **true**,      "message": "Created Successful"  } |
| Update | {Base\_url}/supplier/update  Authorization: Bearer Token  *Request Body:*  {    "id":"1",    "name":"a12",    "email":"dsfgfhg@dfg.fds2445",    "address":"sad2",    "phone":"23456782"  } | *Response:*  {      "success": **true**,      "message": "Update Successful"  } |
| List | {Base\_url}/supplier/list?take=&&skip=  Authorization: Bearer Token | *Response:* |
| Count | {Base\_url}/supplier/count  Authorization: Bearer Token | *Response:*  {      "data": 6  } |
| Delete | {Base\_url}/customer/delete  Authorization: Bearer Token  *Request Body:*  {    "id":1  } | *Response:*  {      "success": **true**,      "message": "Delete Successful"  } |
| Brand | Create | {Base\_url}/brand/create  Authorization: Bearer Token  {    "name":"sample brand 2"  } | *Response:*  {      "success": **true**,      "message": "Created Successful"  } |
| Update | {Base\_url}/ brand /update  Authorization: Bearer Token  *Request Body:*  {    "id":1,    "name":"brand 22"  } | *Response:*  {      "success": **true**,      "message": "Update Successful"  } |
| List | {Base\_url}/ brand /list?take=&&skip=  Authorization: Bearer Token | *Response:* |
| Count | {Base\_url}/ brand /count  Authorization: Bearer Token | *Response:*  {      "data": 6  } |
| Delete | {Base\_url}/customer/delete  Authorization: Bearer Token  *Request Body:*  {    "id":1  } | *Response:*  {      "success": **true**,      "message": "Delete Successful"  } |
| Category | Create | {Base\_url}/category/create  Authorization: Bearer Token  {    "name":"category 2"  } | *Response:*  {      "success": **true**,      "message": "Created Successful"  } |
| Update | {Base\_url}/ category/update  Authorization: Bearer Token  *Request Body:*  {    "id":"1",    "name":"category 22"  } | *Response:*  {      "success": **true**,      "message": "Update Successful"  } |
| List | {Base\_url}/ category/list?take=&&skip=  Authorization: Bearer Token | *Response:* |
| Count | {Base\_url}/ category/count  Authorization: Bearer Token | *Response:*  {      "data": 6  } |
| Delete | {Base\_url}/customer/delete  Authorization: Bearer Token  *Request Body:*  {    "id":1  } | *Response:*  {      "success": **true**,      "message": "Delete Successful"  } |
| Garment | Create | {Base\_url}/garment/create  Authorization: Bearer Token  {      "name": "Product 20",      "sku": "p20",      "stock": 0,      "category\_id": 2,      "brand\_id": 1,      "description": "new",      "size": "sm",      "color": "black",      "unit\_price": 500,      "purchase\_price": 450,      "discount": 10  } | *Response:*  {      "success": **true**,      "message": "Created Successful"  } |
| Update | {Base\_url}/ garment/update  Authorization: Bearer Token  *Request Body:*  {      "id": 1,      "name": "product 3",      "sku": "aaaa",      "stock": 10,      "category\_id": 1,      "brand\_id": 1,      "description": "new",      "size": "sm",      "color": "black",      "unit\_price": 500,      "purchase\_price": 450,      "discount": 10  } | *Response:*  {      "success": **true**,      "message": "Update Successful"  } |
| List | {Base\_url}/ garment/list?take=&&skip=  Authorization: Bearer Token | *Response:* |
| Count | {Base\_url}/ garment/count  Authorization: Bearer Token | *Response:*  {      "data": 6  } |
| Delete | {Base\_url}/customer/delete  Authorization: Bearer Token  *Request Body:*  {    "id":1  } | *Response:*  {      "success": **true**,      "message": "Delete Successful"  } |
| Purchase | Create | {Base\_url}/purchase/create  Authorization: Bearer Token  {      "supplier\_id":2,      "delivery\_status":"Delivered",      "payment\_status":"Paid",      "date":"13/04/2024",      "purchase\_details": [    { "garment\_id":11,  "quantity":40 },      { "garment\_id":12,  "quantity":40 },      ]  } | *Response:*  {      "success": **true**,      "message": "Created Successful"  } |
| List | {Base\_url}/ purchase/list?take=&&skip=  Authorization: Bearer Token | *Response:* |
| Count | {Base\_url}/ purchase/count  Authorization: Bearer Token | *Response:*  {      "data": 6  } |
| Delete | {Base\_url}/customer/delete  Authorization: Bearer Token  *Request Body:*  {    "id":1  } | *Response:*  {      "success": **true**,      "message": "Delete Successful"  } |
| Order | Create | {Base\_url}/order/create  Authorization: Bearer Token  {      "customer\_id":5,      "delivery\_status":"Delivered",      "payment\_status":"Paid",      "date":"13/04/2024",      "shipping\_address": "Dhaka",      "order\_details": [        { "garment\_id":2,  "quantity":1 },        { "garment\_id":3,  "quantity":2 },        { "garment\_id":4,  "quantity":3 }      ]  } | *Response:*  {      "success": **true**,      "message": "Created Successful"  } |
| Update Status | {Base\_url}/ order/status/update  Authorization: Bearer Token  *Request Body:*  {    "id":1,    "delivery\_status": "Delivered",    "payment\_status": "Unpaid"  } | *Response:*  {      "success": **true**,      "message": "Update Successful"  } |
| List | {Base\_url}/ order/list?take=&&skip=  Authorization: Bearer Token | *Response:* |
| Delete | {Base\_url}/customer/delete  Authorization: Bearer Token  *Request Body:*  {    "id":1  } | *Response:*  {      "success": **true**,      "message": "Delete Successful"  } |
| Rating and Review | Create Public | {Base\_url}/public/rating/create?  garment\_id=4&  order\_id=10&  rating=4&  review=nice  Authorization: Bearer Token | *Response:*  {      "success": **true**,      "message": "Created Successful"  } |
| List | {Base\_url}/rating/list?take=&&skip=  Authorization: Bearer Token  {      "garment\_id":4  } | *Response:* |
| Count | {Base\_url}/rating /count  Authorization: Bearer Token | *Response:*  {      "data": 6  } |
| Recommendation System Python | Rating Data public | {Base\_url}/public/rating | *Response:* |
| Garment Data public | {Base\_url}/public/rating-garment | *Response:* |
| Get Recommendation | {Base\_url}/recommendation/{customer\_id}  *Example:*  customer\_id=6 | *Response:*  "[{id:12, name:Product 12}{id:11, name:Product 11}{id:3, name:Product 3}{id:7, name:Product 7}{id:9, name:Product 9}{id:8, name:Product 8}{id:6, name:Product 6}{id:2, name:Product 2}{id:1, name:Product 1}{id:5, name:Product 5}]" |

**Frontend Development**

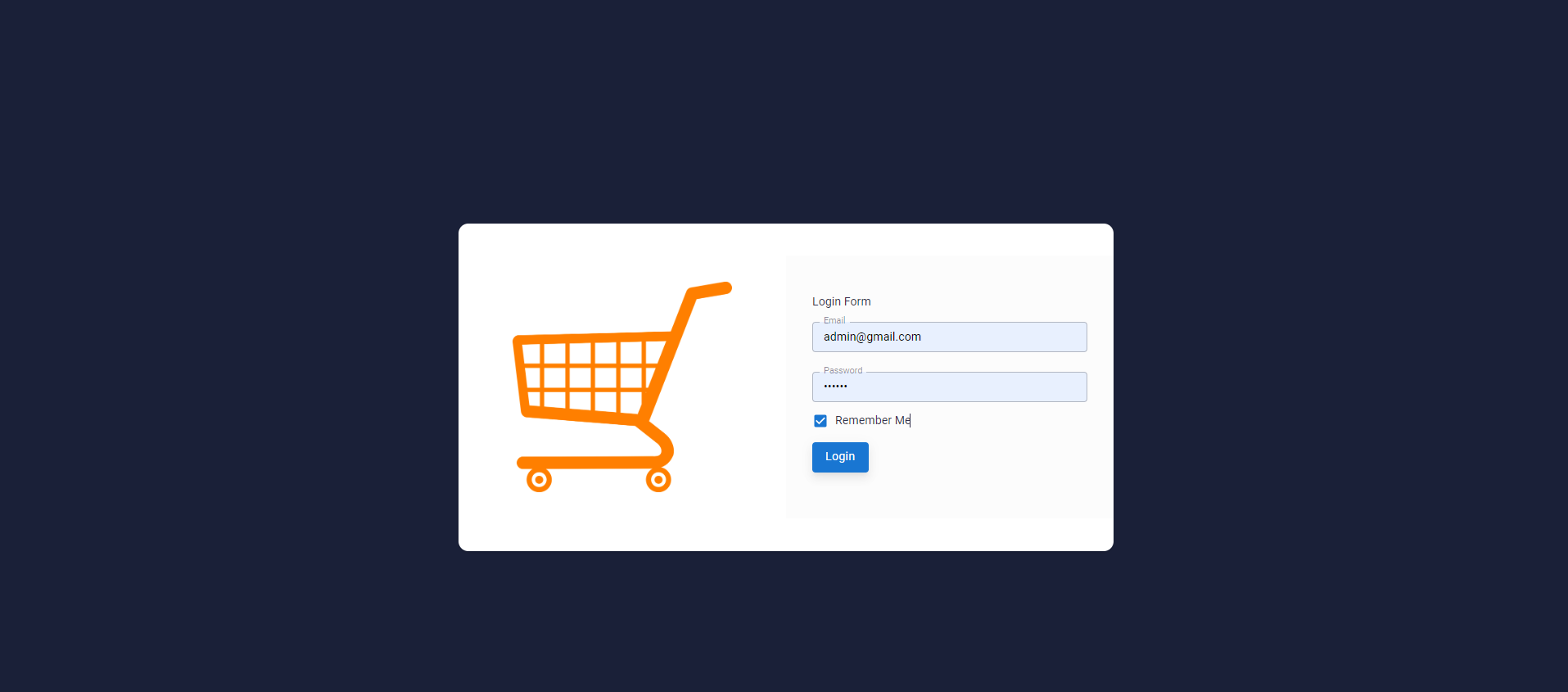
**Technology Stack:** React Js

**Base URL**

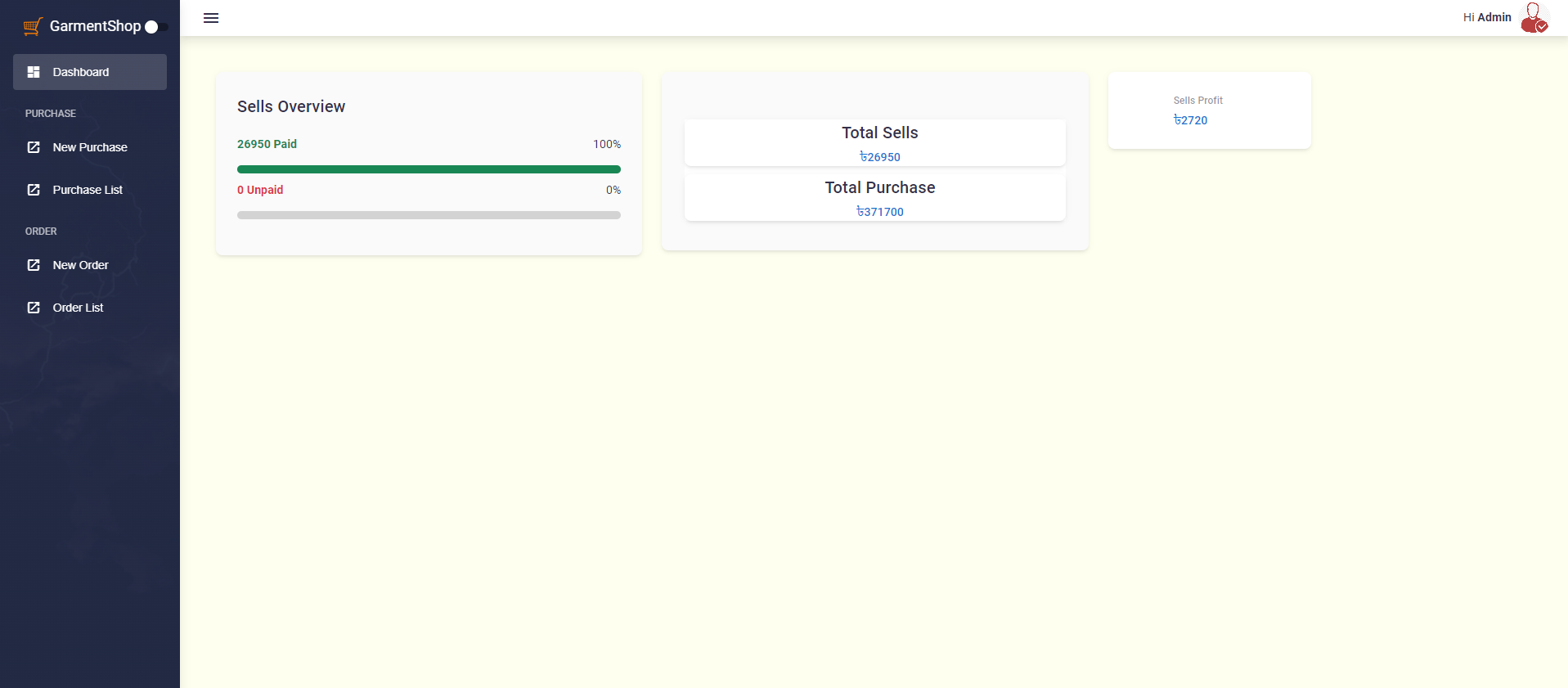
**Primary :** http://localhost:3000/

**User Interface**

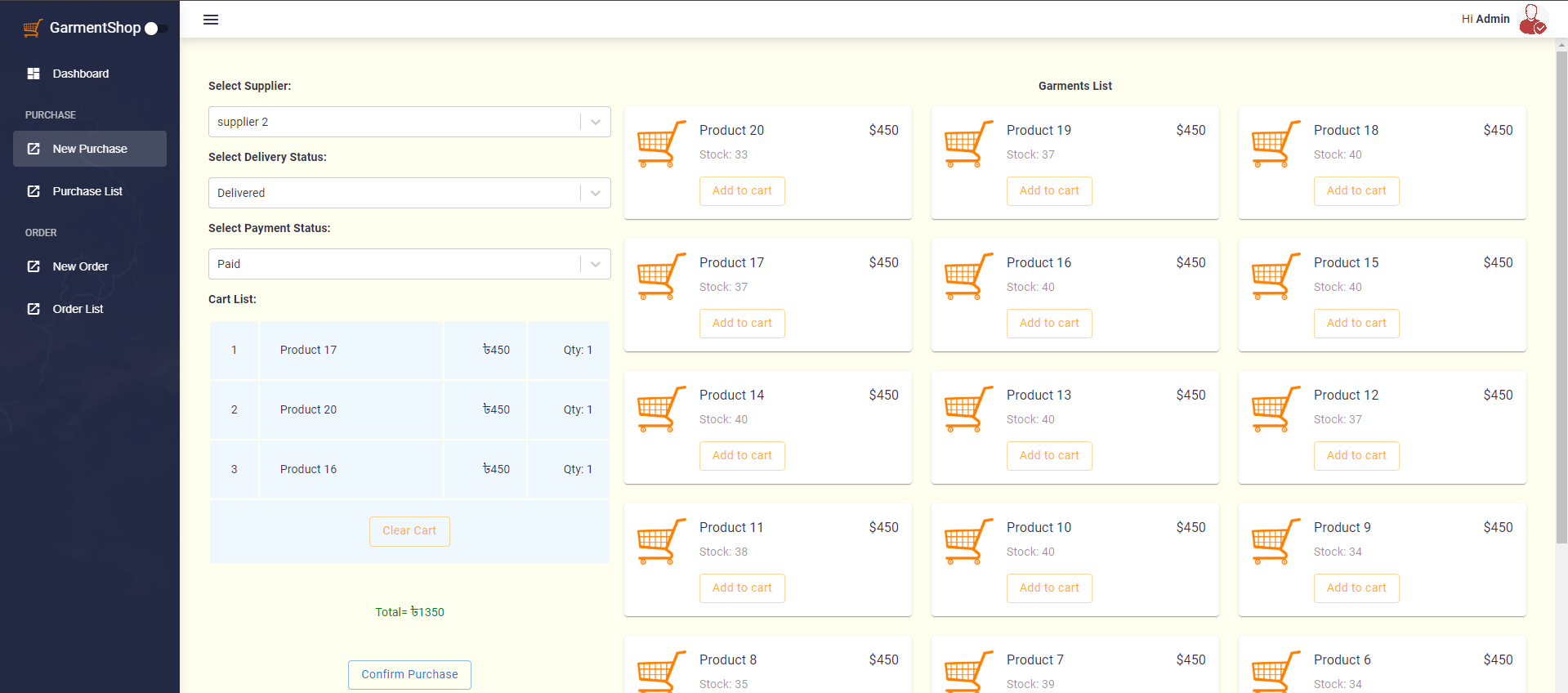
**http://localhost:3000/**

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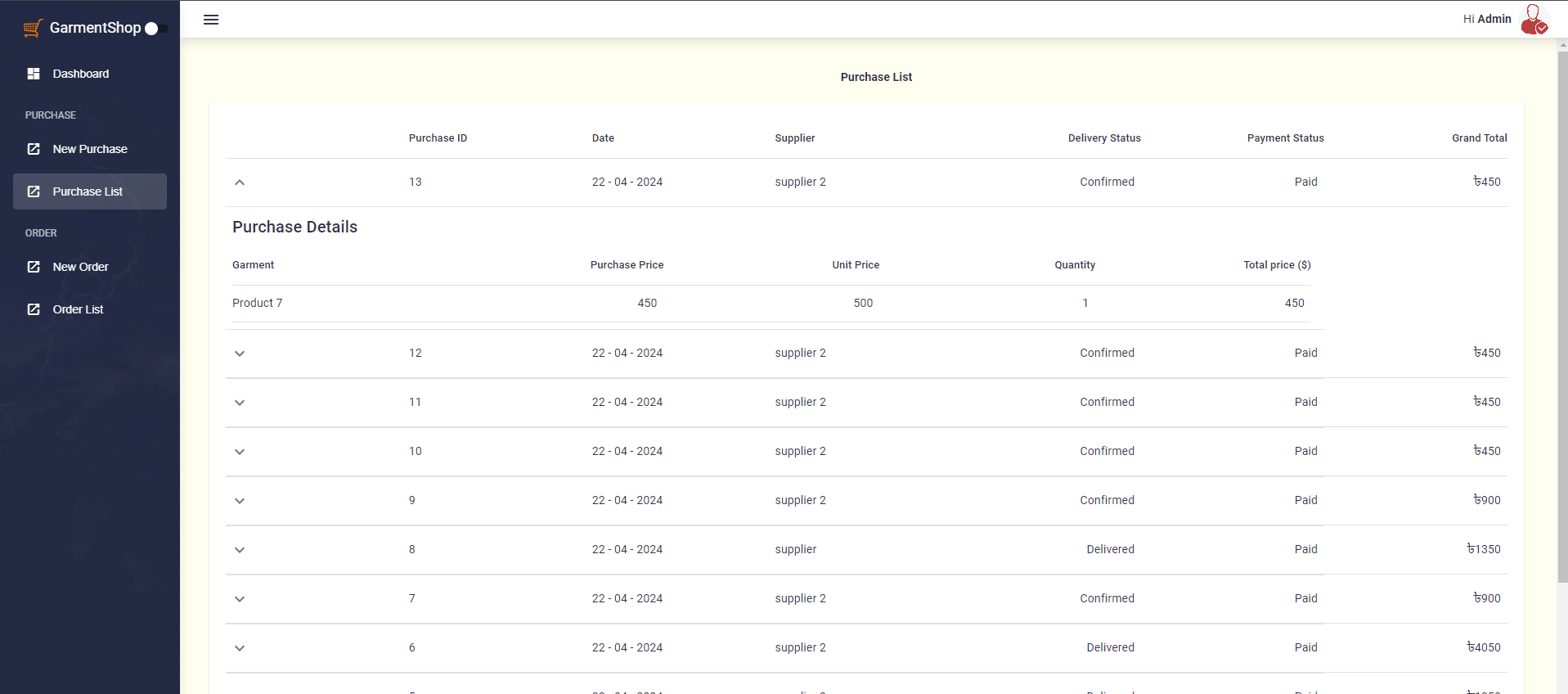
http://localhost:3000/dashboard/default



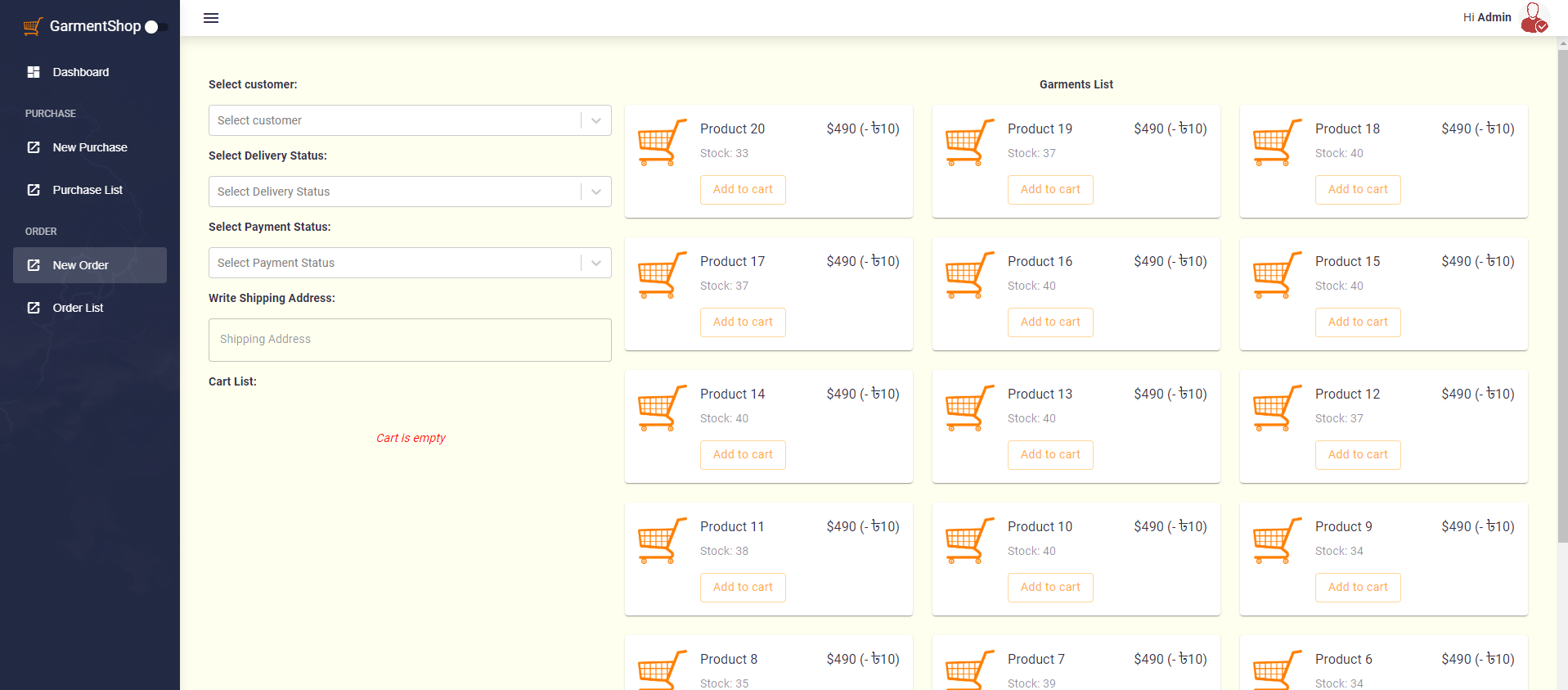
http://localhost:3000/purchase-create



http://localhost:3000/purchase-list



http://localhost:3000/order-create



http://localhost:3000/order-list

