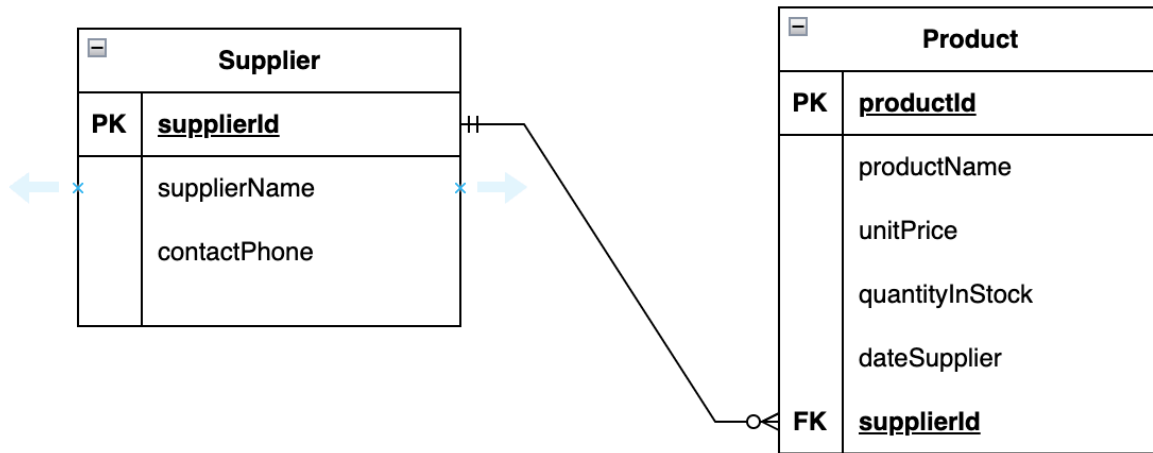
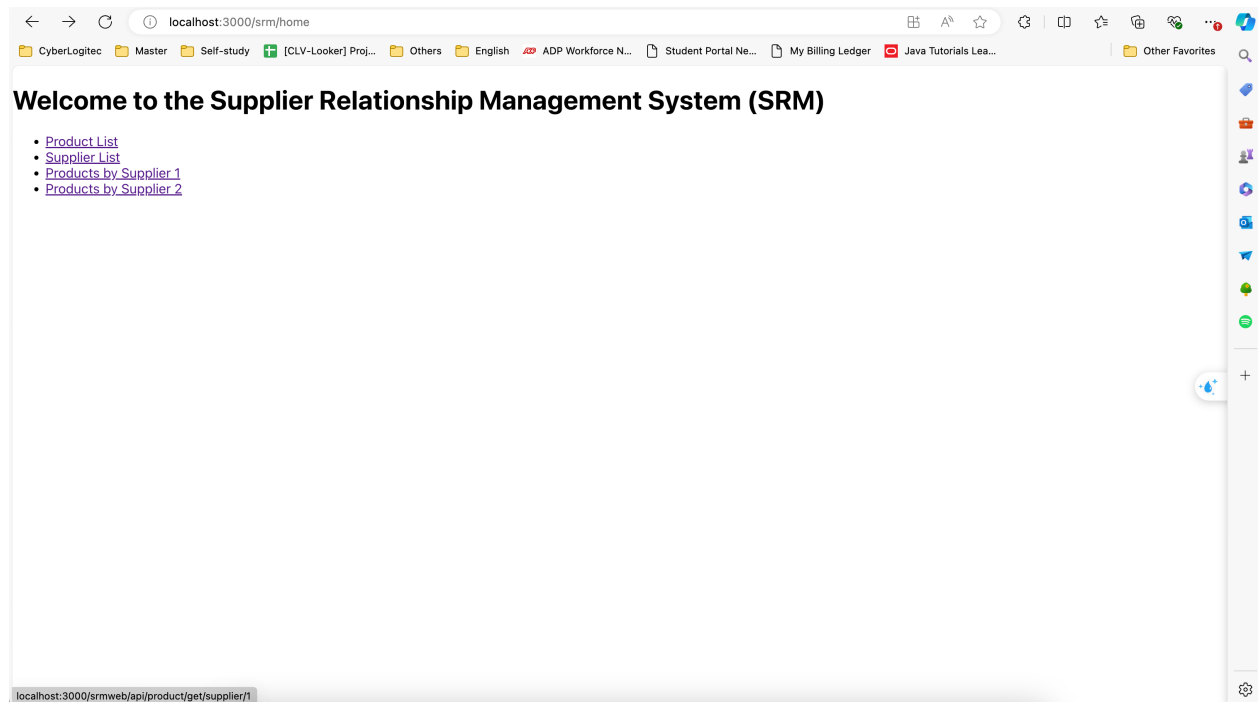


1. UML model



2. Home page



3. Display list of all products

localhost:3000/srm/secured/product/browse

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Product List

Id	Product Name	Unit Price	Quantity	Date Supplied
2	Chicken drumsticks	2.25	18	4/10/2023
3	Dole Bananas	0.55	1097	5/15/2023
1	Santa sweet apples	1.09	124	5/31/2023

4. Display list of all suppliers

localhost:3000/srm/secured/supplier/browse

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Supplier List

Id	Supplier Name	Contact Phone
1	Iowa Farms	(641) 451-0009
2	Hallmark Agro Inc.	

5. Display products supplied by a specific supplier.

Front-end:

localhost:3000/srmweb/api/product/get/supplier/1

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Products by Supplier 1

Id	Product Name	Unit Price	Quantity	Date Supplied	Supplier Name	Contact Phone
1	Santa sweet apples	1.09	124	5/31/2023	Iowa Farms	(641) 451-0009
2	Chicken drumsticks	2.25	18	4/10/2023	Iowa Farms	(641) 451-0009

Back-end:

localhost:8080/api/products/get/supplier/1

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```
1 [
2   {
3     "productId": 1,
4     "productName": "Santa sweet apples",
5     "unitPrice": 1.09,
6     "quantityInStock": 124,
7     "dateSupplied": "2023-05-31T05:00:00.000Z",
8     "supplierName": "Iowa Farms",
9     "contactPhone": "(641) 451-0009"
10  },
11  {
12    "productId": 2,
13    "productName": "Chicken drumsticks",
14    "unitPrice": 2.25,
15    "quantityInStock": 18,
16    "dateSupplied": "2023-04-10T05:00:00.000Z",
17    "supplierName": "Iowa Farms",
18    "contactPhone": "(641) 451-0009"
19  }
20 ]
```

6. Database table

MySQL Workbench

Administration Schemas Query 6 SQL File 5* SQL File 6* products suppliers Context Help Snippets

SCHEMAS

Filter objects

- employeeemanager
- gsa
 - Tables
 - products
 - suppliers
 - Views
 - Stored Procedures
 - Functions
- invoicemanagement
- sys
- userservice

1 • `SELECT * FROM gsa.products;`

100% 1:1

Result Grid

productid	productName	unitPrice	quantityInSto...	dateSupplied	supplierid
1	Santa sweet apples	1.09	124	2023-05-31	1
2	Chicken drumsicks	2.25	18	2023-04-10	1
3	Dole Bananas	0.55	1097	2023-05-15	2
NULL	NULL	NULL	NULL	NULL	NULL

Table: **suppliers**

Columns:

- supplierid
Int AI PK
- supplierName
varchar(255)
- contactPhone
varchar(50)

Object Info Session

Table: **suppliers**

Columns:

- supplierid
Int AI PK
- supplierName
varchar(255)
- contactPhone
varchar(50)

Action Output

	Time	Action	Response
✓	10:05	14:50:49 Use gsa	0 row(s) affected
✓	109	14:50:49 CREATE TABLE suppliers (supplierid INT AUTO_INCREMENT PRIMARY KEY, supplierName VARC...	0 row(s) affected
✓	110	14:50:49 CREATE TABLE products (productid BIGINT AUTO_INCREMENT PRIMARY KEY, productName VA...	0 row(s) affected
✓	111	14:50:49 INSERT INTO suppliers (supplierName, contactPhone) VALUES ('Iowa Farms', '(641) 451-0009'), (...	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0
✓	112	14:50:49 INSERT INTO products (productName, unitPrice, quantityInStock, dateSupplied, supplierid) VALUE...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0
✓	113	14:50:55 SELECT * FROM gsa.products LIMIT 0, 10	3 row(s) returned
✓	114	14:51:05 SELECT * FROM gsa.suppliers LIMIT 0, 10	2 row(s) returned

Query Completed

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

MySQL Workbench

Administration Schemas Query 6 SQL File 5* SQL File 6* products suppliers Context Help Snippets

SCHEMAS

Filter objects

- employeeemanager
- gsa
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 - products
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- invoicemanagement
- sys
- userservice

1 • `SELECT * FROM gsa.suppliers;`

100% 1:1

Result Grid

supplierid	supplierName	contactPhone
1	Iowa Farms	(641) 451-0009
2	Hallmark Agro Inc.	NULL
NULL	NULL	NULL

Table: **suppliers**

Columns:

- supplierid
Int AI PK
- supplierName
varchar(255)
- contactPhone
varchar(50)

Object Info Session

Table: **suppliers**

Columns:

- supplierid
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Action Output

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✓	113	14:50:55 SELECT * FROM gsa.products LIMIT 0, 10	3 row(s) returned
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Query Completed

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.