Music Store project

Features

Task Id.	Features	Priority	Dependency
A	CRUD Artists	1	-
B	CRUD Albums	1	A
C	CRUD Stocks	1	B
D	Display the inventory	1	C
E	Show a stock level for each album	1	D
F	Add a buy and sell price to each stock item	2	C
G	Calculate the possible markup on items and show on inventory page	2	F
H	Add a genre to an album	2	B
I	CRUD Suppliers	3	F
J	CRUD Customers	3	F
K	CRUD Tracks	4	B
L	CRUD Stores	4	-

Must Have	1
Should Have	2
Could Have	3
Won't Have	4

Gantt Diagram

Cf. Draw.io

Activities diagrams

ER diagram

Cf. Draw.io

Web Application Map

Cf. Draw.io

RestFul Controller

VERB	PATH	ACTION
GET	/mstore/albums	Index
GET	/mstore/artists	Index
GET	/mstore/artists/:art_name	Index with a filter on the name
GET	/mstore/artists/new	Create a new Artist
GET	/mstore/artists/:id/edit	Edit an Artist
POST	/mstore/artists/:id	Update an Artist
POST	/mstore/artists/:id/delete	Delete an Artist
GET	/mstore/genres	Index
GET	/mstore/genres/:genre	Index with a filter on the genre
GET	/mstore/genres/new	Create a new Genre
GET	/mstore/genres/:id/edit	Edit a Genre
POST	/mstore/genres/:id	Update a Genre
POST	/mstore/genres/:id/delete	Delete a Genre
GET	/mstore/albums	Index
GET	/mstore/albums/:title_or_artist/	Index with a filter on the title or the artist
GET	/mstore/albums/new	Create a new Album in stock
GET	/mstore/albums/:id/edit	Edit an Album
POST	/mstore/albums/:id	Update an Album
POST	/mstore/albums/:id/delete	Delete an Album
GET	/mstore/purchases	Index
GET	/mstore/purchases/:supplier/:album/:artist	Index with a filter on the supplier, the album and the artist
GET	/mstore/purchases/new	Create a new Purchase order

GET	/mstore/purchases/:id/edit	Edit a Purchase order
POST	/mstore/purchases/:id	Update a Purchase order
POST	/mstore/purchases/:id/delete	Delete a Purchase order
GET	/mstore/sales	Index
GET	/mstore/sales/:client/:album/:artist	Index with a filter on the client, the album and the artist
GET	/mstore/sales/new	Create a new Purchase order
GET	/mstore/sales/:id/edit	Edit a Purchase order
POST	/mstore/sales/:id	Update a Purchase order
POST	/mstore/sales/:id/delete	Delete a Purchase order
GET	/mstore/customers	Index
GET	/mstore/customers/:name	Index with a filter on the name of the Customer
GET	/mstore/customers/new	Create a new Customer
GET	/mstore/customers/:id/edit	Edit a Customer
POST	/mstore/customers/:id	Update a Customer
POST	/mstore/customers/:id/delete	Delete a Customer
GET	/mstore/suppliers	Index
GET	/mstore/suppliers/:name	Index with a filter on the name of the Supplier
GET	/mstore/suppliers/new	Create a new Supplier
GET	/mstore/suppliers/:id/edit	Edit a Supplier
POST	/mstore/suppliers/:id	Update a Supplier
POST	/mstore/suppliers/:id/delete	Delete a Supplier