My Project structure was organised with a separation of concerns.

1) Controllers - The files in this directory contain the logic for handling requests and response related to managers, products and stores.
2) Models – In the dao.js the file handles interactions with the MongoDB operations. In the mysqlModel.js, this file handles interactions with the MySQL database.
3) Routes – These files define the routes for their corresponding entities.
4) View – These files all contain the HTML templates for rendering the respective pages. They include embedded JavaScript for dynamic content rendering.

My app.js is the entry point for my application.

Here are some changes where I applied innovative design elements throughout my app. These modifications are evident in the embedded CSS within the views folder.

Home page original vs edited:

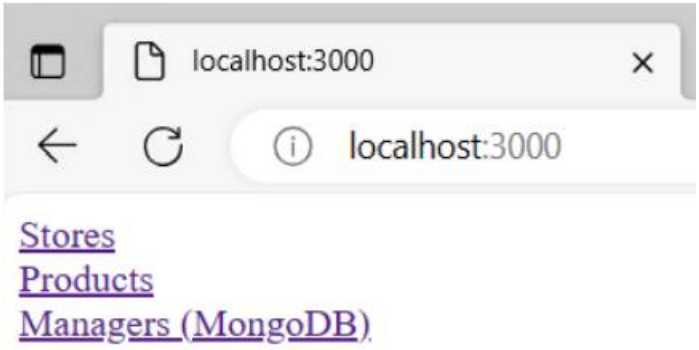
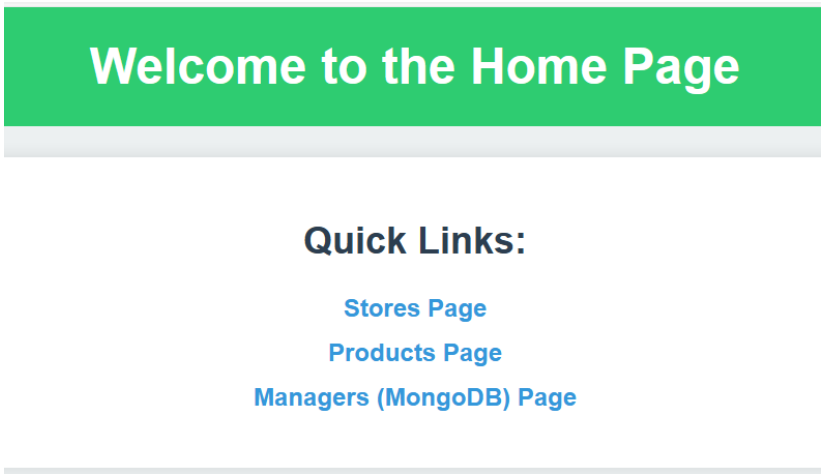


Figure 1 Main Page



Store original vs edited:

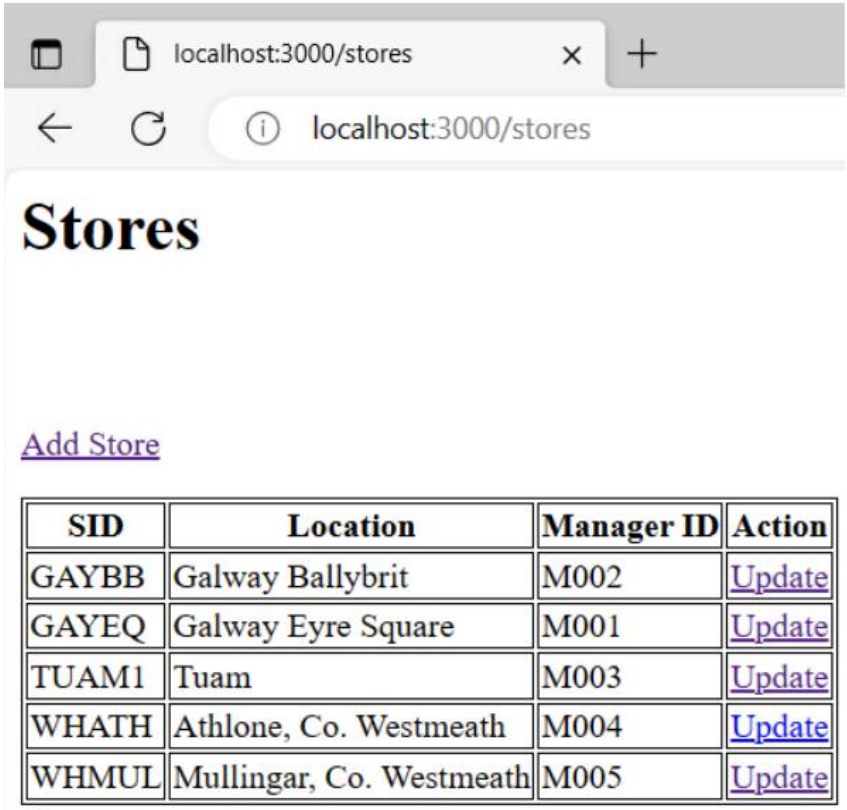
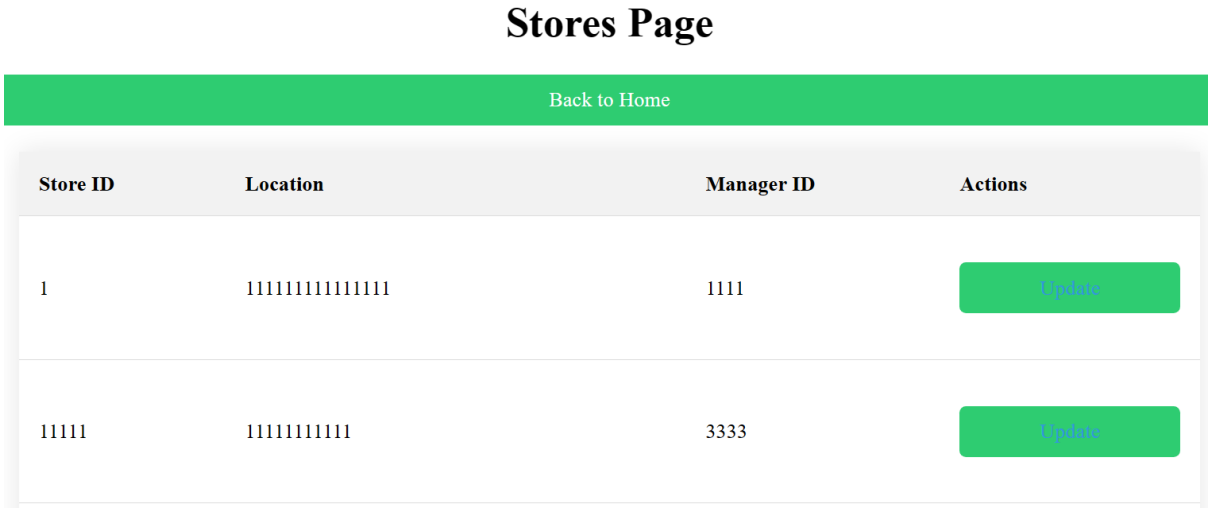
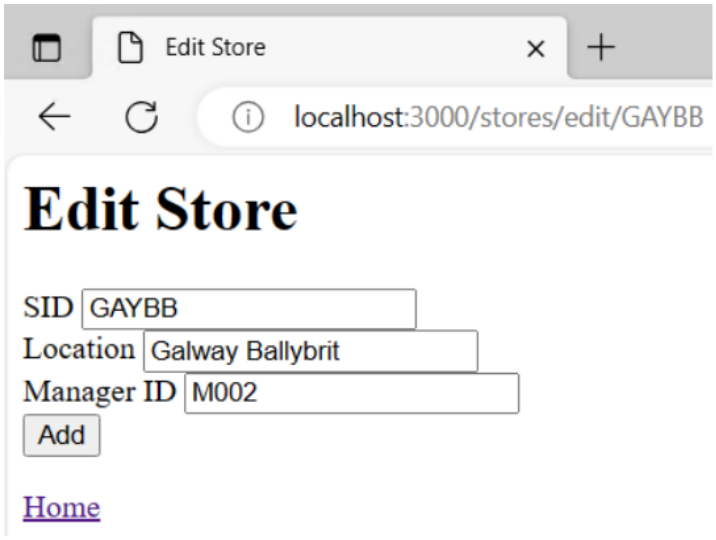
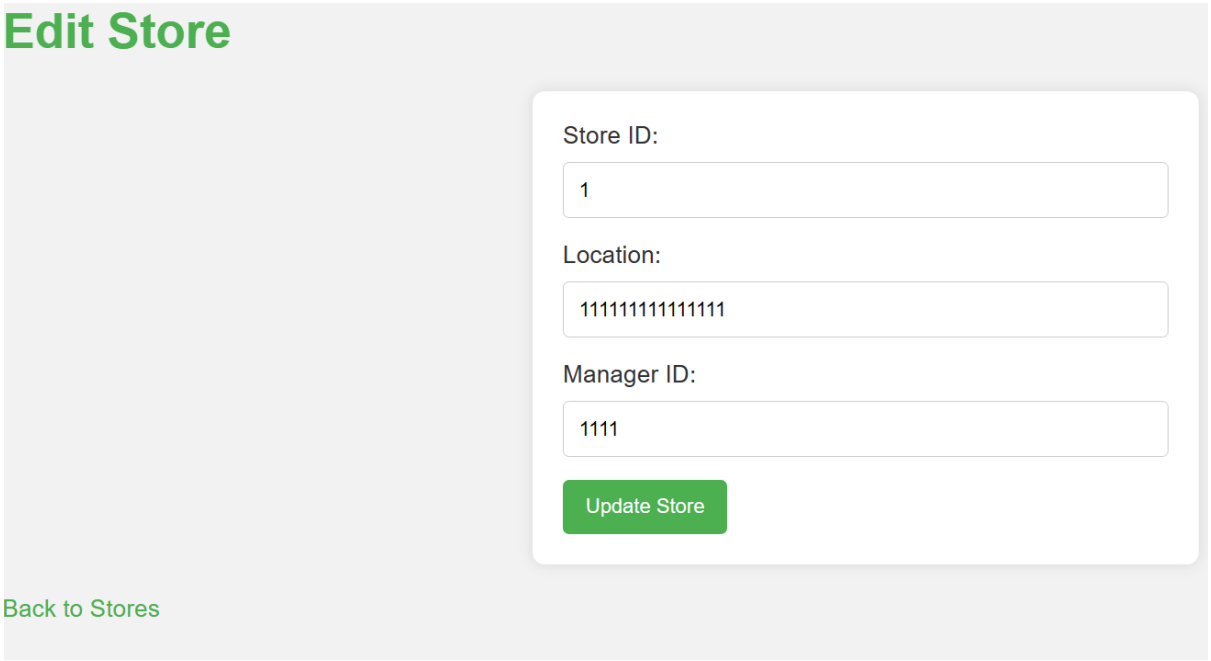


Figure 2 Stores Page

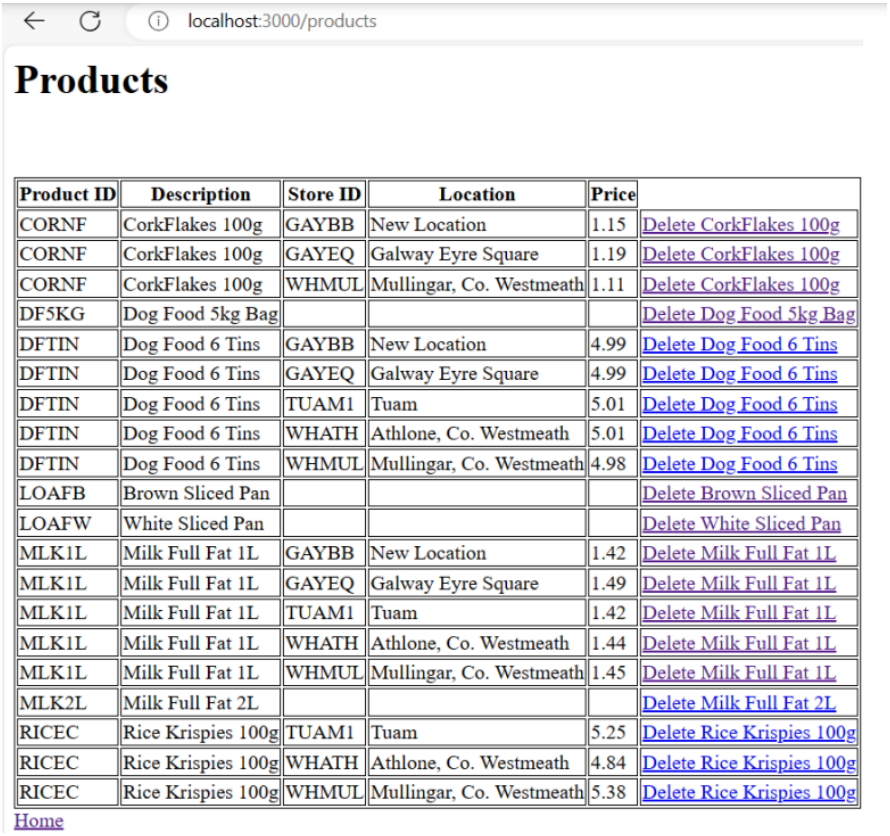


Edit Store original vs edited:





Products page original vs edited:

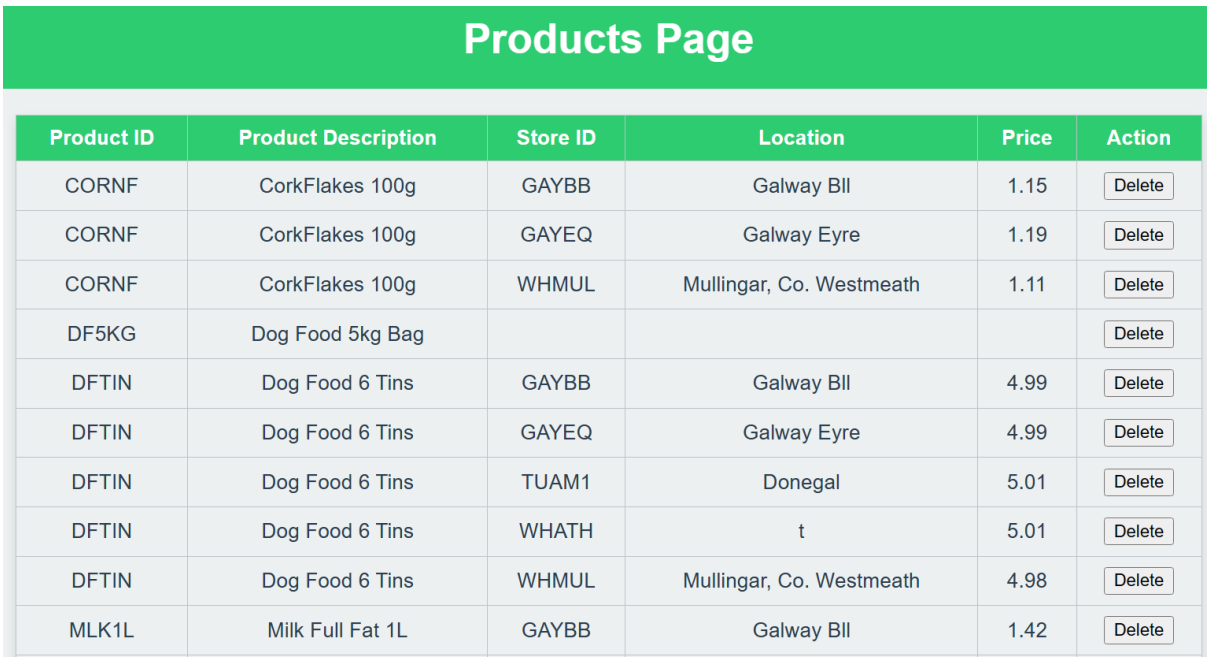


localhost:3000/products

Products

Product ID	Description	Store ID	Location	Price	
CORNF	CorkFlakes 100g	GAYBB	New Location	1.15	Delete CorkFlakes 100g
CORNF	CorkFlakes 100g	GAYEQ	Galway Eyre Square	1.19	Delete CorkFlakes 100g
CORNF	CorkFlakes 100g	WHMUL	Mullingar, Co. Westmeath	1.11	Delete CorkFlakes 100g
DF5KG	Dog Food 5kg Bag				Delete Dog Food 5kg Bag
DFTIN	Dog Food 6 Tins	GAYBB	New Location	4.99	Delete Dog Food 6 Tins
DFTIN	Dog Food 6 Tins	GAYEQ	Galway Eyre Square	4.99	Delete Dog Food 6 Tins
DFTIN	Dog Food 6 Tins	TUAM1	Tuam	5.01	Delete Dog Food 6 Tins
DFTIN	Dog Food 6 Tins	WHATH	Athlone, Co. Westmeath	5.01	Delete Dog Food 6 Tins
DFTIN	Dog Food 6 Tins	WHMUL	Mullingar, Co. Westmeath	4.98	Delete Dog Food 6 Tins
LOAFB	Brown Sliced Pan				Delete Brown Sliced Pan
LOAFW	White Sliced Pan				Delete White Sliced Pan
MLK1L	Milk Full Fat 1L	GAYBB	New Location	1.42	Delete Milk Full Fat 1L
MLK1L	Milk Full Fat 1L	GAYEQ	Galway Eyre Square	1.49	Delete Milk Full Fat 1L
MLK1L	Milk Full Fat 1L	TUAM1	Tuam	1.42	Delete Milk Full Fat 1L
MLK1L	Milk Full Fat 1L	WHATH	Athlone, Co. Westmeath	1.44	Delete Milk Full Fat 1L
MLK1L	Milk Full Fat 1L	WHMUL	Mullingar, Co. Westmeath	1.45	Delete Milk Full Fat 1L
MLK2L	Milk Full Fat 2L				Delete Milk Full Fat 2L
RICEC	Rice Krispies 100g	TUAM1	Tuam	5.25	Delete Rice Krispies 100g
RICEC	Rice Krispies 100g	WHATH	Athlone, Co. Westmeath	4.84	Delete Rice Krispies 100g
RICEC	Rice Krispies 100g	WHMUL	Mullingar, Co. Westmeath	5.38	Delete Rice Krispies 100g

Home



Products Page

Product ID	Product Description	Store ID	Location	Price	Action
CORNF	CorkFlakes 100g	GAYBB	Galway Bll	1.15	Delete
CORNF	CorkFlakes 100g	GAYEQ	Galway Eyre	1.19	Delete
CORNF	CorkFlakes 100g	WHMUL	Mullingar, Co. Westmeath	1.11	Delete
DF5KG	Dog Food 5kg Bag				Delete
DFTIN	Dog Food 6 Tins	GAYBB	Galway Bll	4.99	Delete
DFTIN	Dog Food 6 Tins	GAYEQ	Galway Eyre	4.99	Delete
DFTIN	Dog Food 6 Tins	TUAM1	Donegal	5.01	Delete
DFTIN	Dog Food 6 Tins	WHATH	t	5.01	Delete
DFTIN	Dog Food 6 Tins	WHMUL	Mullingar, Co. Westmeath	4.98	Delete
MLK1L	Milk Full Fat 1L	GAYBB	Galway Bll	1.42	Delete

Managers page original vs edited:

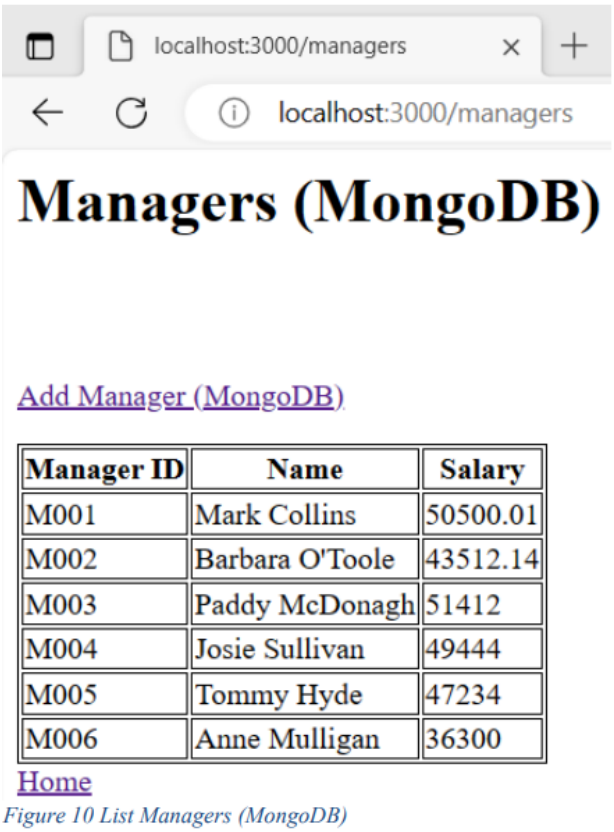


Figure 10 List Managers (MongoDB)