

Search Saver

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Description

Search Saver allows users to input specific products then search through those products to find the best price. The user can add or delete products and log in to a personal account.



Features

- Users can create and view products.
- Users can create an account.
- Users can search through those products.



Planning - User Stories

I need a website where I can input this brand of car seat and view a list of those items and find which one is the best deal. My whole project is built on the idea to allow a user to search through a database of products and be able to find the specific product for the best price to allow the user to be able to save time and money.

I want to be able to log in and save the product that is the best deal, so when I go shopping next week I know exactly what store to go too. This will allow the user to save what specific product they want and come back to their account at a later time to view that product.



Planning - Database

I have various tables in my database. The most important to note are :
aspnetusers , products and searches. All three have a primary key Id.

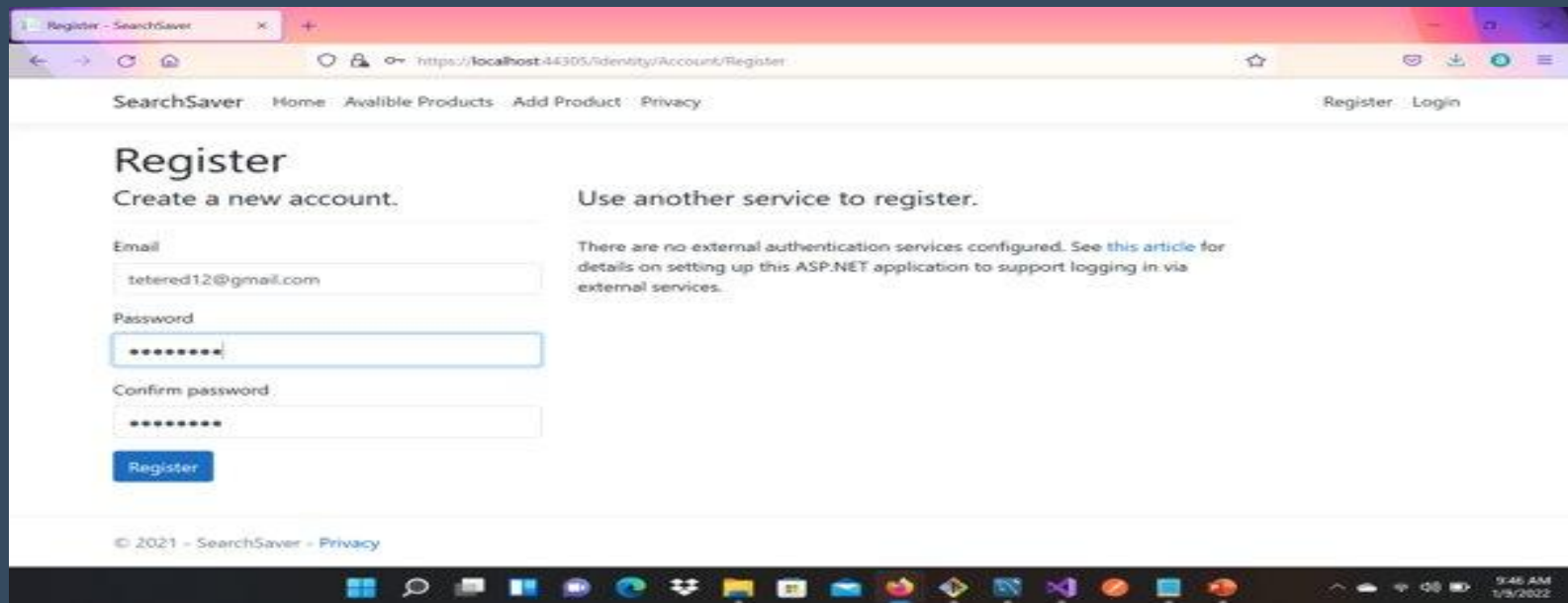


Technology Stack

- C#
- ASP.Net Core MVC
- VisualStudio
- MySql



Demo - Create User 1



The screenshot shows a web browser window with the title 'Register - SearchSaver'. The address bar displays 'https://localhost:44305/identity/Account/Register'. The page has a navigation bar with links: 'SearchSaver', 'Home', 'Available Products', 'Add Product', 'Privacy', 'Register', and 'Login'. The main content area is titled 'Register' and 'Create a new account.' It features three input fields: 'Email' (containing 'tetered12@gmail.com'), 'Password' (masked with dots), and 'Confirm password' (also masked with dots). A blue 'Register' button is positioned below the confirm password field. To the right, a section titled 'Use another service to register.' contains a message: 'There are no external authentication services configured. See [this article](#) for details on setting up this ASP.NET application to support logging in via external services.'

SearchSaver Home Available Products Add Product Privacy Register Login

Register

Create a new account.

Email

Password

Confirm password

Register

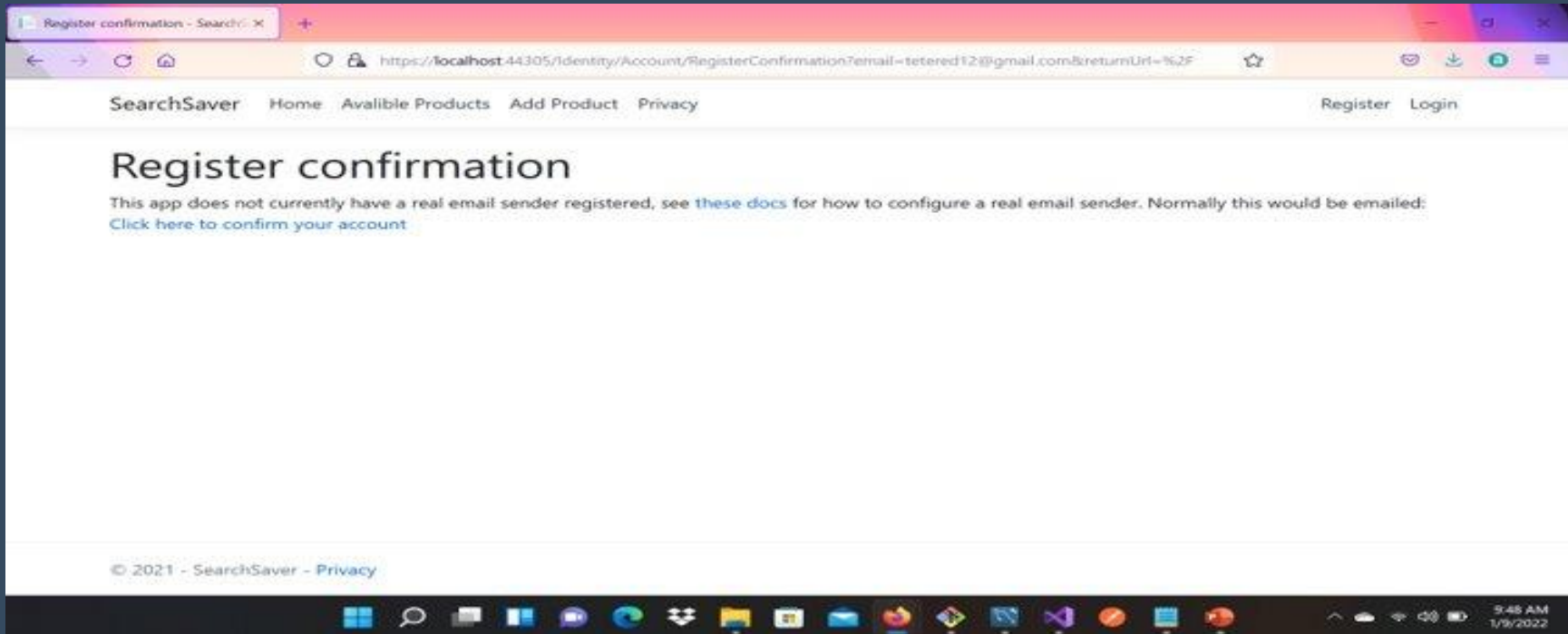
Use another service to register.

There are no external authentication services configured. See [this article](#) for details on setting up this ASP.NET application to support logging in via external services.

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Demo - Create User 2



Demo - Create User 3

The screenshot shows the MySQL Workbench interface. The 'Schemas' pane on the left lists the 'search_saver' database. The 'Query' editor in the center contains the SQL statement: `SELECT * FROM search_saver.aspnetusers;`. The 'Result Grid' displays the query results with columns: Id, Username, NormalizedUsername, Email, and NormalizedEmail. The 'Table: aspnetuserlogins' section on the left shows the table structure. The 'Action Output' pane at the bottom shows the execution log.

Table: aspnetuserlogins

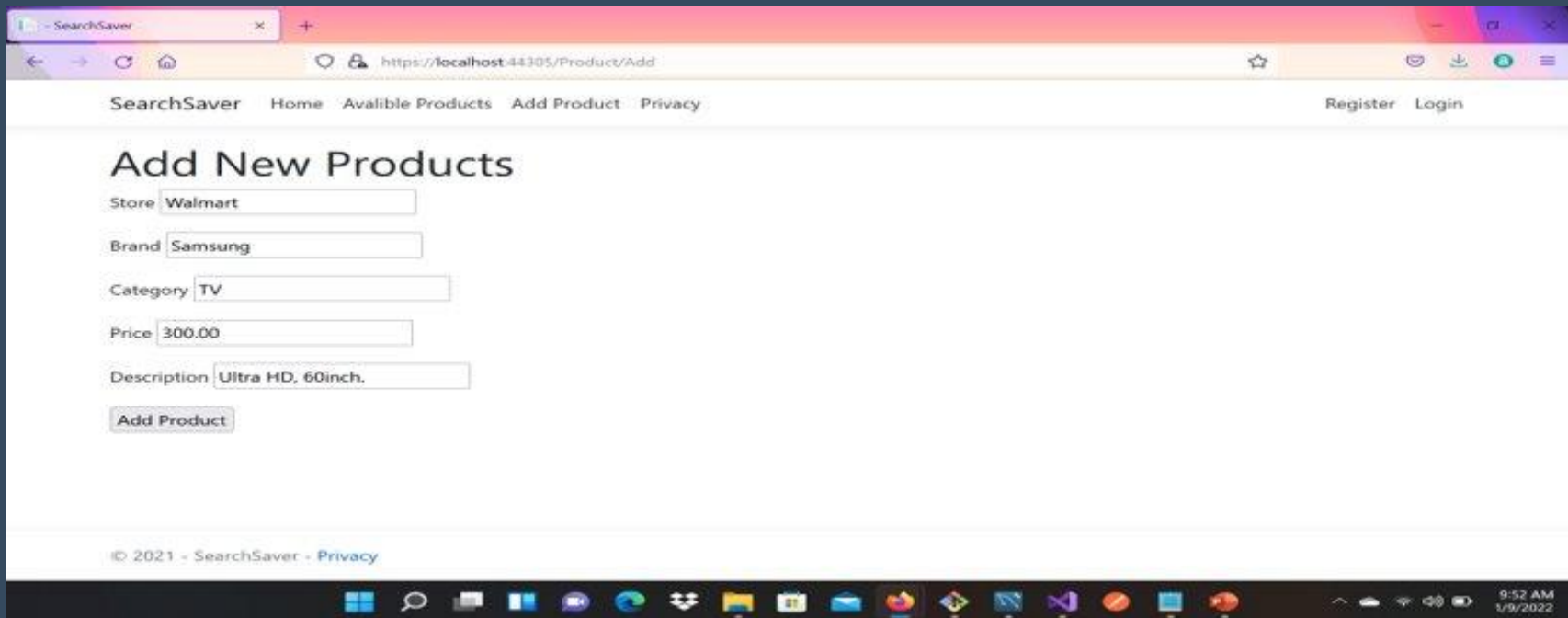
Columns:

- LoginProvider: varchar(128)
- ProviderKey: PK, varchar(128)
- ProviderDisplayName: longtext
- UserId: varchar(255)

Action Output

#	Time	Action	Message	Duration / Fetch
8	08:49:15	SELECT * FROM search_saver.aspnetuserroles LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
9	08:49:18	SELECT * FROM search_saver.aspnetusers LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
10	08:49:24	SELECT * FROM search_saver.aspnetusertokens LIMIT 0, 1000	0 row(s) returned	0.032 sec / 0.000 sec
11	09:49:44	SELECT * FROM search_saver.aspnetuserlogins LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
12	09:49:48	SELECT * FROM search_saver.aspnetuserroles LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
13	09:49:50	SELECT * FROM search_saver.aspnetusers LIMIT 0, 1000	1 row(s) returned	0.016 sec / 0.000 sec

Demo - Create/View Products 1



The screenshot shows a web browser window with the address bar displaying `https://localhost:44305/Product/Add`. The page title is "SearchSaver" and the navigation bar includes links for "Home", "Available Products", "Add Product", and "Privacy". On the right side of the navigation bar, there are links for "Register" and "Login".

Add New Products

The form contains the following fields and a button:

- Store:
- Brand:
- Category:
- Price:
- Description:
-

At the bottom of the page, there is a footer that reads "© 2021 - SearchSaver - Privacy". The Windows taskbar is visible at the bottom of the screen, showing the time as 9:52 AM on 1/9/2022.



Demo - Create/View Products 2

SearchSaver Home Available Products Add Product Privacy Register Login

Available Products

Store	Brand	Item Type	Price	Description
Walmart	Samsung	TV	\$300.00	Ultra HD, 60inch.

[Add Product](#)
[Delete Product](#)

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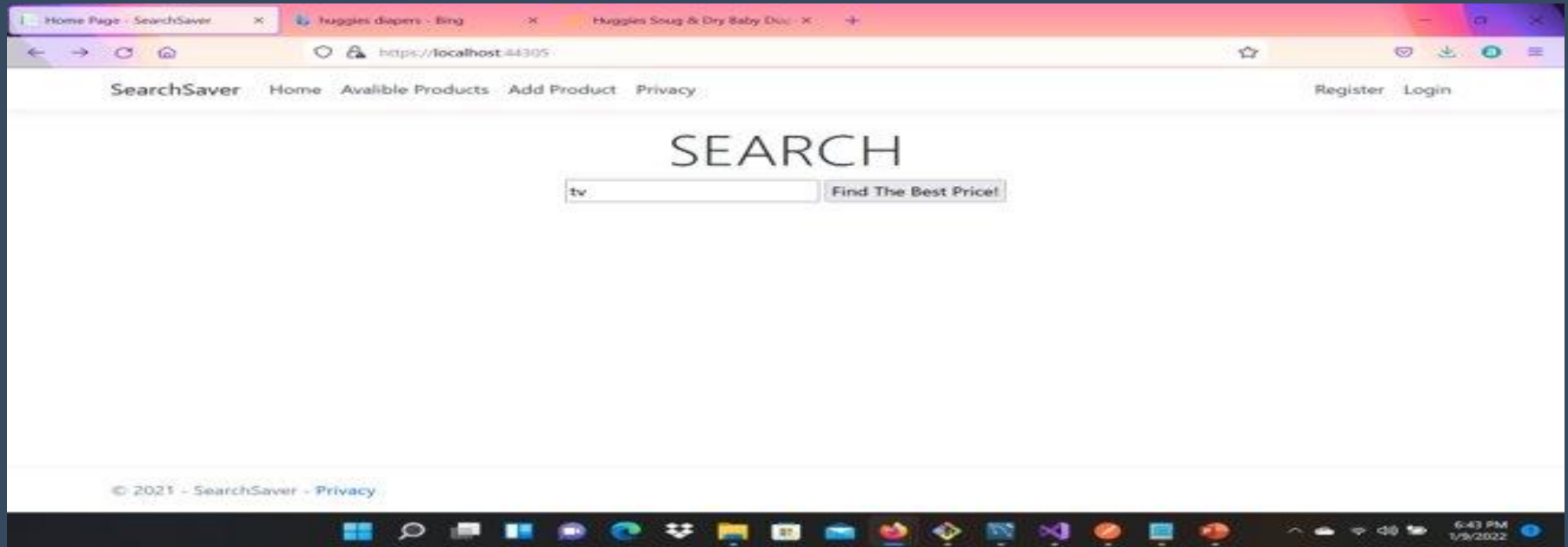
The screenshot shows the MySQL Workbench interface. The top toolbar includes File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. The left sidebar shows the Schemas tree with 'search_saver' selected, containing tables like 'products'. The main query editor shows the query: `SELECT * FROM search_saver.products;`. The results are displayed in a table with columns: Id, Store, Description, Price, Brand, and Category. The first row shows Id 1, Store Walmart, Description Ultra HD, 60Inch, Price 300.00, Brand Samsung, and Category TV. The bottom panel shows the Action Output with a list of queries and their execution times.

#	Time	Action	Message	Duration / Fetch
15	09:50:11	SELECT * FROM search_saver.aspnetusertokens LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
16	09:50:14	SELECT * FROM search_saver.aspnetroleclaims LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
17	09:50:16	SELECT * FROM search_saver.aspnetuserclaims LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
18	09:52:56	SELECT * FROM search_saver.products LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
19	11:46:14	SELECT * FROM search_saver.products LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
20	18:37:34	SELECT * FROM search_saver.products LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

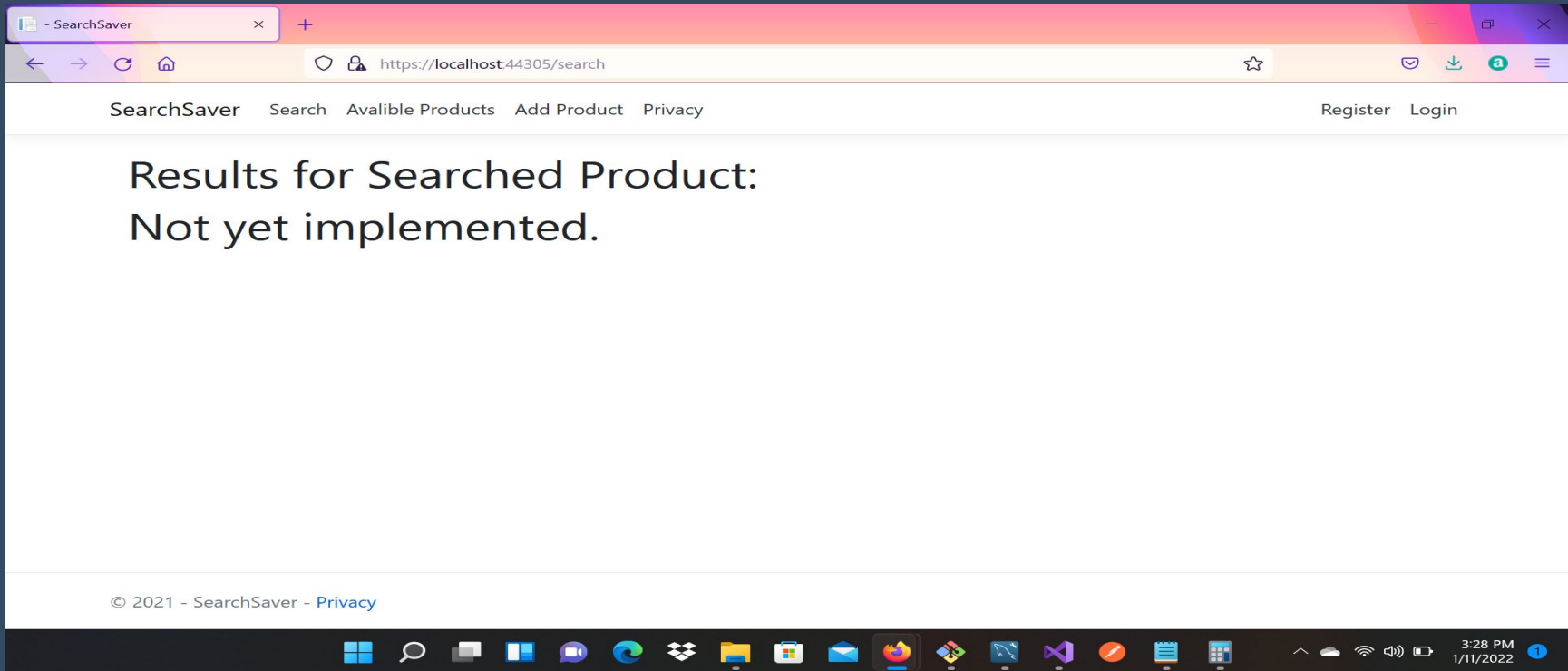


Demo - Create/View Search

1



Demo - Create/View Search 2



What I Learned

- I learned that in order to update your project to a database without having errors you need to make sure all of your nuget packages are compatible.
- I also learned that by adding user authentication to your .net application upon creation that it will try to add everything to SqlSever instead of MySQL so you will have to go through and change all the settings where it says SqlServer and change them too MySql.



What's Next

- Add functionality to get my search to submit valid results
- Add an API so I can pull data from other websites to display current available products
- Add a favorite list to each private users accounts so they see what product they saved for future use
- Add more web styling using JS and CSS
- Add web link to the products to redirect users to a products website if the user wants to purchase a product right away.
- Allow user to see the lowest priced products first.

