

P.Byrne R.Carton Server Side E-Commerce Application		
Fallon and Byrne online Farmers Market		
Core Requirements and Specifications		
User - Shopper Requirements		
Search		
Requirement		Specification
Easily and intuitively, browse, search and select products by a variety of attributes:		Product database holding Title, image, price, in stock, supplier, quantity and/or weight of each item, displayed as a graphical user interface.
Food category and sub category; Search by Dairy, Fruit, Veg and Gift etc.		Search form that queries the product database, and is consistent and visible at all times throughout the app with exception of check out pages
Supplier; by supplier name.		Variety of views for product listings; grid, table, gallery.
Offers; browse special offers.		Show suggest related products or recipe suggestions.
New and Seasonal; browse items highlighted as new or seasonal.		Auto completion of search key words and/or frequently searched terms.
Searches to auto complete.		
User Registration - Log in - Profile		
Requirement		Specification
Register using user account dialogue.		Register
Log in simple password - email for registered users.		User Database holding user details Create Account form that requires a unique and valid user name-email/password combination Password encrypted on input. Validate and store of email and password on User database Where invalid prompt for valid email.
Profile access for user can be viewed and edited.		Login Log in form that requires input of valid log in details referencing User database. “Forgot your User name or Password” dialogue to generate e-mail. Profile To be viewed and amended. Email address Name (and user name) Delivery Address Delivery times available Alternative delivery address if user not present.

Shopping Cart - Order Status Edit		
Requirement		Specification
<p>Ability to add and remove items from cart</p> <p>Confirm cart contents, costs, total costs.</p> <p>Confirm (/edit) delivery address.</p> <p>Complete purchase by making a staged secure online payment.</p> <p>Confirmed Payment Screen and e-mail</p> <p>Show points completed on sale stage line</p>		<p>Log in form on each page that validates user input against existing accounts by querying the Users and Orders databases.</p> <p>Shopping cart available to logged-in users,</p> <p>Cart contents and cart monetary total unique to each session and can be edited until checkout.</p> <p>Cart contents stored in Orders database.</p> <p>At Checkout, user will be presented with order details and prompted to either confirm or amend.</p> <p>Orders</p> <p>Store and display Orders Status for view and edit on log in.</p> <p>Incomplete orders to be shown.</p> <p>Order status to be generated from query on Orders database.</p>
Check Out		
Requirement		Specification
Provide clear intuitive linear payment process		<p>Confirm name, delivery address, product name, quantity, and price</p> <p>Upon confirmation of user details and cart contents,</p> <p>Payment requested</p> <p>User selects payment type from options</p> <p>Payment details added encrypted and validated through Orders database</p> <p>Order confirmation summary screen and email.</p> <p>Order summary stored to User Data base to be accessed from User profile</p> <p>Allow return to shopping from checkout</p>
User - Retailer Requirements		
Product Edit Requirement		Specification
Ability to update and amend product list		<p>Ability to update and amend product list</p> <p>Specification</p> <p>Product database holding Title, image, price, in stock, supplier, quantity for each item, displayed as a graphical user interface.</p>

Security		
Requirement		Specification
Secure site from malicious code injection, redirection. Encrypt data.		Take measures against injection. Take measures against redirection. Ensure proper session management. User credentials are protected at database level using encryption
Requirements additional to core requirements to enhance user trust and community feeling on site.		
<p>Supplier Bio, Photos</p> <p>Ask the supplier about this product e-mail query form.</p> <p>Instant Chat pop up dialogue to guide shoppers.</p> <p>Request a product form. "Is there an item you think we should stock?"</p> <p>Review section user can submit to moderated review section.</p> <p>FAQ, How it works and Order Return - Refund.</p> <p>Optional subscription to newsletter.</p> <p>Site blog where suppliers blog about production etc.</p> <p>Links to other brand community pages Facebook, Twitter Feed.</p> <p>Minimum Purchase to be defined and displayed clearly.</p> <p>Define and display delivery charges depending on order value.</p> <p>Delivery area map and charges.</p> <p>Notify me section. Email notification to users who have submitted e-mail for when a product comes back into stock.</p>		