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| Advanced Databases |
| CA1 Group Project |
| Section A (Data Mart) |

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# Section A

## Industry Topic and Business Area

**Industry Topic: Sports**

**Business Area: Purchase Orders (PO – Items)**

**1. Business Requirements**

*Shipping Delay:* Helps business as it can see delay time between when a customer places an order with the company and when that order has been shipped. This enables the business to see how long processing time is for each order.

*Highest Orders by County:* This allows the business to see the county where the most orders are coming from. This in turn can be used to decide if there should be more stock allocated to specific branches that are busy around a particular county.

*Average Sales Over Christmas:* Gets average sales over Christmas period. Using a time table, this can be easily checked (October-December).

*Least Popular Brand Sold:* Discovers least popular brand (search for all orders that by brand, count least amount).

**2. Data Mart (Snowflake Schema)**

**3. SQL Script to create Fact table and Dimension tables**

**4. SQL script to load data into the Data Mart**

**5. Queries and Outputs**