# RIDGEMOUNT SALES INFORMATION SYSTEM

**Desktop Application Functionality / Use Case Senario:**

Is a basic business to business application that collects sales record information of clients, stores them in objects, and objects are stored in a list (to be analyzed late or to permanently store in a textfile (as comma separated values).

Clients are retail sports stores that order from Ridgemount. These clients purchase bulk merchhandise classified (Product-Categories) as "Top- Wear", "Jackets", "T-Shirts", "Pants", "Foot-Wear" and other types are classed as "Others"

Once the records are added to the list, the use can use a summerize feature – which Aggregates the sales per category and displays a graphical pie chart with the result Of the best performing product category/categories

**Design Pattern Used**: Model View Presenter (*Model View Controller Pattern*)

# DATA ENTRY FEATURE SCREEN SHOTS

# RidgeMount B2B Sales Information System

| Cust ID | Comapany Name | Address | City | Province | Sales | Product Category | Web-Site |
|---------|---------------|---------|------|----------|-------|------------------|----------|

No content in table

Enter Record You Want to Add Below or Delete A Record From Table:

| Name: | Address: | City: | Province: | Sales: | Product Catergory: | Web-Site: | | |
|-------|----------|-------|-----------|--------|--------------------|-----------|---|---|
| Enter Client Name | Enter Address | Enter Client's City | | 0 | | Enter WebSite | Add | Delete |
| | | | | | | | Summary | Save-To-File |

# RidgeMount Sales Management

## RidgeMount B2B Sales Information System

| Cust ID | Comapany Name | Address | City | Province | Sales | Product Category | Web-Site |
|---------|---------------|---------|------|----------|-------|------------------|----------|
| 2 | Tim's Sport World | 11 Fox Street | Pretoria | Gauteng | 70000.0 | T-Shirts | www.timsport.co.za |

**Row Successfully Added** □ ✕

Row has been added successfully

**OK**

Enter Record You Want to Add Below or Delete A Record From Table:

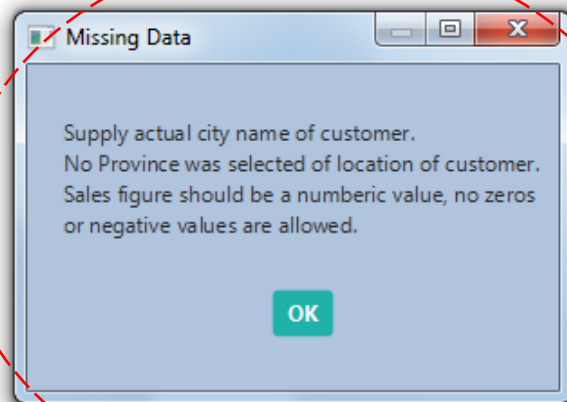| Name: | Address: | City: | Province: | Sales: | Product Catergory: | Web-Site: | Add | Delete |
|-------|----------|-------|-----------|--------|--------------------|-----------| --- | --- |
| Tim's Sport World | 11 Fox Street | Pretoria | Gauteng ▼ | 70000 | T-Shirts ▼ | www.timsport.co.za | Summary | Save-To-File |

# DATA ENTRY VALIDATION: DATA ENTRY ERRORS

# RidgeMount B2B Sales Information System

| Cust ID | Comapany Name | Address | City | Province | Sales | Product Category | Web-Site |
|---------|---------------|---------|------|----------|-------|------------------|----------|

No content in table

**Missing Data**

Supply actual city name of customer.
No Province was selected of location of customer.
Sales figure should be a numberic value, no zeros
or negative values are allowed.

**OK**

Enter Record You Want to Add Below or Delete A Record From Table:

| Name: | Address: | City: | Province: | Sales: | Product Catergory: | Web-Site: | | |
|-------|----------|-------|-----------|--------|--------------------|-----------|---|---|
| Rex Run World | 34 Jennifer Avenue | Enter Client's City | | 0 | T-Shirts | www.rexrunworld.cc | Add | Delete |
| | | | | | | | Summary | Save-To-File |

# RidgeMount B2B Sales Information System

| Cust ID | Comapany Name | Address | City | Province | Sales | Product Category | Web-Site |
|---------|---------------|---------|------|----------|-------|------------------|----------|
| 2 | Tim's Sport World | 11 Fox Street | Pretoria | Gauteng | 70000.0 | T-Shirts | www.timsport.co.za |
| 3 | Tasha's Sports Hub | 44 Gil Road | Rustenburg | North-West | 120000.0 | Foot-Wear | www.tashasport.com |
| 4 | Germini Sporting | 33 Marcus Road | Benoni | Gauteng | 88000.0 | Jackets | www.germini.co.za |
| 5 | Blue Hub | 2 Van Der Wilt | Polokwane | Limpopo | 70000.0 | Top-Wear | www.bluehub.co.za |
| 6 | Jimmy's Sports Cave | 12 Rex Avenue | East London | Eastern Cape | 69000.0 | Other | www.jimbean.co.za |
| 7 | Piets Sports Avenue | 65 Thabo Mbeki D... | Welkom | Northern-Cape | 108000.0 | Pants | www.pietsport.co.za |
| 8 | Gilda Run World | 5 Smith Blvd | Cape-Town | Western-Cape | 101500.0 | Foot-Wear | www.gildarunworld.cor |
| 9 | Floyd's Athletes | 6 Marula Road | Bloemfontein | Free-State | 60000.0 | T-Shirts | www.floydsatl.co.za |
| 10 | The Hive Sports | 58 Steward Ave | Cape-Town | Western-Cape | 90000.0 | Pants | www.hivesa.co.za |
| 11 | Sports Avengers | 3 Max Avenue | Johannesburg | Gauteng | 54000.0 | Other | www.sportsavenger.c. |

Enter Record You Want to Add Below or Delete A Record From Table:

| Name: | Address: | City: | Province: | Sales: | Product Catergory: | Web-Site: | Add | Delete |
|-------|----------|-------|-----------|--------|-------------------|-----------|-----|--------|
| Enter Client Name | Enter Address | Enter Client's City | | Enter Sales | | Enter WebSite | Summary | Save-To-File |

User's sales records are entered and displayed via the table (table editable to update erroneously entered data)

# RECORD MANAGEMENT FEATURE: DATA DELETION

# RidgeMount B2B Sales Information System

| Cust ID | Comapany Name | Address | City | Province | Sales | Product Category | Web-Site |
|---------|---------------|---------|------|----------|-------|------------------|----------|
| 2 | Tim's Sport World | 11 Fox Street | Pretoria | Gauteng | 70000.0 | T-Shirts | www.timsport.co.za |
| 3 | Tasha's Sports Hub | 44 Gil Road | Rustenburg | North-West | 120000.0 | Foot-Wear | www.tashasport.com |
| 4 | Germini Sporting | 33 Marcus Road | Benoni | Gauteng | | | ww.germini.co.za |
| 5 | Blue Hub | 2 Van Der Wilt | Polokwane | Limpopo | | | ww.bluehub.co.za |
| 6 | Jimmy's Sports Cave | 12 Rex Avenue | East London | Eastern Cape | | | ww.jimbean.co.za |
| 7 | Piets Sports Avenue | 65 Thabo Mbeki D... | Welkom | Northern-Cape | | | ww.pietsport.co.za |
| 8 | Gilda Run World | 5 Smith Blvd | Cape-Town | Western-Cape | | | ww.gildarunworld.com |
| 9 | Floyd's Athletes | 6 Marula Road | Bloemfontein | Free-State | | | ww.floydsatl.co.za |
| 10 | The Hive Sports | 58 Steward Ave | Cape-Town | Western-Cape | 90000.0 | Pants | www.hivesa.co.za |
| 11 | Sports Avengers | 3 Max Avenue | Johannesburg | Gauteng | 54000.0 | Other | www.sportsavenger.c. |

### Confirmation

Are you sure you want to Delete record ?

Yes    No

Enter Record You Want to Add Below or Delete A Record From Table:

| Name: | Address: | City: | Province: | Sales: | Product Catergory: | Web-Site: | | |
|-------|----------|-------|-----------|--------|--------------------|-----------|---|---|
| Enter Client Name | Enter Address | Enter Client's City | | Enter Sales | | Enter WebSite | Add | Delete |
| | | | | | | | Summary | Save-To-File |

# RidgeMount Sales Management

## RidgeMount B2B Sales Information System

| Cust ID | Comapany Name | Address | City | Province | Sales | Product Category | Web-Site |
|---------|---------------|---------|------|----------|-------|------------------|----------|
| 2 | Tim's Sport World | 11 Fox Street | Pretoria | Gauteng | 70000.0 | T-Shirts | www.timsport.co.za |
| 3 | Tasha's Sports Hub | 44 Gil Road | Rustenburg | North-West | 120000.0 | Foot-Wear | www.tashasport.com |
| 4 | Germini Sporting | 33 Marcus Road | Benoni | Gauteng | 88000.0 | Jackets | www.germini.co.za |
| 5 | Blue Hub | 2 Van Der Wilt | Polokwane | Limpopo | 70000.0 | Top-Wear | www.bluehub.co.za |
| 6 | Jimmy's Sports Cave | 12 Rex Avenue | East London | Eastern Cape | 69000.0 | Other | www.jimbean.co.za |
| 7 | Piets Sports Avenue | 65 Thabo Mbeki D... | Welkom | Northern-Cape | 108000.0 | Pants | www.pietsport.co.za |
| 8 | Gilda Run World | 5 Smith Blvd | Cape-Town | Western-Cape | 101500.0 | Foot-Wear | www.gildarunworld.cor |
| 9 | Floyd's Athletes | 6 Marula Road | Bloemfontein | Free-State | 60000.0 | T-Shirts | www.floydsatl.co.za |
| 10 | The Hive Sports | 58 Steward Ave | Cape-Town | Western-Cape | 90000.0 | Pants | www.hivesa.co.za |

Enter Record You Want to Add Below or Delete A Record From Table:

| Name: | Address: | City: | Province: | Sales: | Product Catergory: | Web-Site: | | |
|-------|----------|-------|-----------|--------|--------------------|-----------| --- | --- |
| Enter Client Name | Enter Address | Enter Client's City | ▼ | Enter Sales | ▼ | Enter WebSite | Add | Delete |
| | | | | | | | Summary | Save-To-File |

Record was removed from the list and no longer exits in table

# RidgeMount Sales Management

## RidgeMount B2B Sales Information System

| Cust ID | Comapany Name | Address | City | Province | Sales | Product Category | Web-Site |
|---------|---------------|---------|------|----------|-------|------------------|----------|

No content in table

### No Row(s) Selected

No Row Has Been Selected For Deletion
Please Select Minimum of 1 Row If You Wish
to Delete A Record

**OK**

Enter Record You Want to Add Below or Delete A Record From Table:

| Name: | Address: | City: | Province: | Sales: | Product Catergory: | Web-Site: | | |
|-------|----------|-------|-----------|--------|-------------------|-----------|---|---|
| Rex Run World | 34 Jennifer Avenue | Enter Client's City | | 0 | T-Shirts | www.rexrunworld.cc | Add | Delete |
| | | | | | | | Summary | Save-To-File |

User error validation mechanism: deletion when no data is selected or exists in the table

SUMMARY FEATURE SCREEN SHOT

# RidgeMount B2B Sales Information Sys

| Cust ID | Comapany Name | Address | |
|---|---|---|---|
| 2 | Tim's Sport World | 11 Fox Street | Pretoria |
| 3 | Tasha's Sports Hub | 44 Gil Road | Rustenb |
| 4 | Germini Sporting | 33 Marcus Road | Benoni |
| 5 | Blue Hub | 2 Van Der Wilt | Polokwa |
| 6 | Jimmy's Sports Cave | 12 Rex Avenue | East Lo |
| 7 | Piets Sports Avenue | 65 Thabo Mbeki D... | Welkom |
| 8 | Gilda Run World | 5 Smith Blvd | Cape-T |
| 9 | Floyd's Athletes | 6 Marula Road | Bloemfc |
| 10 | The Hive Sports | 58 Steward Ave | Cape-T |
| 11 | Sports Avengers | 3 Max Avenue | Johanne |

Enter Record You Want to Add Below or Delete A Record Fro

Name:          Address:          City:

Enter Client Name     Enter Address     Enter Client's C

Add          Delete

mmary          Save-To-File

## Summary

### Summarized Data

- Top-Wear
- Jackets & Jerseys
- T-Shirts
- Pants
- Foot-Wear
- Other

Foot-Wear
Other
Top-Wear
Jackets & Jerseys
T-Shirts
Pants
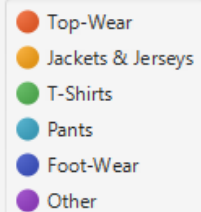
Number of Customers: 10
Total Revenue: R830500
Average Sales: R83050
Top Selling Product Category/Categories:
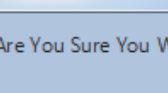-> Foot-Wear
With Sales of R221500

# EXITING APPLICATION: ENSURES USER SALELY EXITS APPLICATION

# RidgeMount B2B Sales Information System

| Cust ID | Comapany Name | Address | City | Province | Sales | Product Category | Web-Site |
|---------|---------------|---------|------|----------|-------|------------------|----------|
| 2 | Tim's Sport World | 11 Fox Street | Pretoria | Gauteng | 70000.0 | T-Shirts | www.timsport.co.za |
| 3 | Tasha's Sports Hub | 44 Gil Road | Rustenburg | North-West | | | w.tashasport.com |
| 4 | Germini Sporting | 33 Marcus Road | Benoni | Gauteng | | | w.germini.co.za |
| 5 | Blue Hub | 2 Van Der Wilt | Polokwane | Limpopo | | | w.bluehub.co.za |
| 6 | Jimmy's Sports Cave | 12 Rex Avenue | East London | Eastern Cape | | | w.jimbean.co.za |
| 7 | Piets Sports Avenue | 65 Thabo Mbeki D... | Welkom | Northern-Cape | | | w.pietsport.co.za |
| 8 | Gilda Run World | 5 Smith Blvd | Cape-Town | Western-Cape | | | w.gildarunworld.cor |
| 9 | Floyd's Athletes | 6 Marula Road | Bloemfontein | Free-State | | | w.floydsatl.co.za |
| 10 | The Hive Sports | 58 Steward Ave | Cape-Town | Western-Cape | | | w.hivesa.co.za |

## Confirm

Are You Sure You Want To Quit ?

Please ensure you save your information to a text file before closing the application. Use the Save-To-File Button feature below to ensure your work is saved.

**Yes**    **No**

Enter Record You Want to Add Below or Delete A Record From Table:

| Name: | Address: | City: | Province: | Sales: | Product Catergory: | Web-Site: | | |
|-------|----------|-------|-----------|--------|--------------------|-----------| --- | --- |
| Enter Client Name | Enter Address | Enter Client's City | | Enter Sales | | Enter WebSite | Add | Delete |
| | | | | | | | Summary | Save-To-File |

# SAVE-TO-FILE FEATURE: ENSURES DATA IS PERMANENTLY SAVED FOR LATER USE
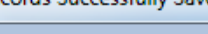
Save-to-file: saves (appends) records as comma separated values to a predefined text file