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**Student Performance Dashboard**

**Business Requirements Document**

[1 About this document 4](#_Toc290302926)

[2 Project/System Background and Description 5](#_Toc290302927)

[2.1 Scope 5](#_Toc290302928)

[2.1.1 In scope 5](#_Toc290302929)

[2.1.2 Out of scope 5](#_Toc290302930)

[2.2 Intended Users 5](#_Toc290302931)

[2.3 Business Drivers 5](#_Toc290302932)

[2.4 Critical Success Factors 6](#_Toc290302933)

[3 Current Environment 7](#_Toc290302934)

[4 Target Environment 8](#_Toc290302935)

[4.1 Process Flows 8](#_Toc290302936)

[4.2 Workflows 9](#_Toc290302937)

[4.3 Business Rules 8](#_Toc290302938)

[5 Solution Requirements 1](#_Toc290302939)0

[5.1 Critical to Quality 1](#_Toc290302940)0

[5.2 List of functional requirements 1](#_Toc290302941)0

[5.2.1 Reporting Requirements 10](#_Toc290302942)

[6 Non-functional Requirements 1](#_Toc290302943)2

[6.1 Archive and Retrieval Requirements 1](#_Toc290302944)2

[6.2 Performance Requirements 1](#_Toc290302945)2

[6.3 Disaster Recovery Requirements 1](#_Toc290302946)2

[6.4 Platform (Network) Requirements 1](#_Toc290302947)3

[6.5 Legal, Regulatory, Usability and External Affairs (LRUE) Requirements 1](#_Toc290302948)3

6.6 Security Requirements…..……..…………………..……………………….13

6.7 Scalability Requirements……………………….………………………..…14

[7 REFERENCES 1](#_Toc290302949)5

[8 GLOSSARY 1](#_Toc290302950)6

# About this document

|  |  |
| --- | --- |
| Description: Logo.png |  |
| **Document Name:** | Business Requirement Documentation |
| **Project Name:** | Great Outdoor |
| **System/Group Name:** |  |

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|  | **Name** | **Role** | **Date** |
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| **Approved by:** |  |  |  |
| **System Owner:** |  |  |  |

REVISION HISTORY

|  |  |  |  |  |  |  |  |
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# Project/System Background and Description

## Scope

This project involves developing a website for Great Outdoors. The main objective is to reduce the returns and to enhance the profitability of GO, by providing better options for the customers to know more about the products and make it easy to use by the customers.

### In scope

* Increase the production through the web and e-mail and reduce the sales-visit
* Providing the complete details of the product, specifications, and images
* Option to change the default shipping address for each product of the customer order
* Providing the option for adding more than one shipping address

### Out of scope

* Providing an option for the customers for the gift packing of the product

## Intended Users

All the people

## Business Drivers

* Promotion of the online trade
* Number of products sold
* Price of the product sold
* Traffic on the website
* Salary per employee

## Critical Success Factors

* Add more technical specifications and images of the product to build product master
* Providing an option to add more shipping address
* Promotion of website by providing offers and discounts to the customer
* To add a facility for the gift packing of the product based on the occasion specified by customer

# Current Environment

* The profit is in the increasing at a rapid rate of > 26% per year on year
* The Gross profit is increasing at 40%
* The profit contribution is less for the share of telephone and sales visit as they require human intervention
* Hence the share of the web and email are been increased
* In 2013, email contribution is 1.6% of all the orders
* In 2013, the contribution of web was 91.1%
* Increase the share of Outdoor protection as their contribution towards the revenue is more
* The “returns” has been increasing over the years. The reason behind that are
  + Unsatisfactory product
  + Defective product
  + Incomplete product
  + Wrong product ordered
  + Wrong product shipped
* GO does not have much financial resources
* They worked with TIBCO for enterprise integration
* Recently, they are implementing BI solutions to enhance the sales and supply chain

# Target Environment

## Process Flows

Website

Shipping address

Place order

Home page

Search for products

Add to cart

Delivery of order to the customer

Login/Sign up

## Workflows

System architecture:

Add delivery address and pay

User

Admin

Database

Product category

Search product

Logout

Login

Add, modify/delete product

If not logged in

Buy

Add to cart

Product Page

Login/Sign-up

Home Page

# Solution Requirements

## Critical to Quality

* Providing an option to add more shipping address
* Including the complete specifications of the product
* Adding the images to the product
* Option to view the product details ,technical specifications ,images, color and dimensions of the product while ordering

## List of functional requirements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Feature Name** | **Requirement ID** | **System Requirements** | **Sharing & Access** | **Priority** |
| Hardware | 5.2.1 | Five system are required including mouse, keyboards and CPU’s | Access | High |
| Hardware | 5.2.2 | Installed memory (RAM) – 8 GB | Access | High |
| Hardware | 5.2.3 | ROM – 500 GB | Access | High |
| Software | 5.2.4 | Operating system – Windows 7 | Access | High |
| Software | 5.2.5 | System type - 64 Bit | Access | High |
| Software | 5.2.6 | Processor – Intel core i3 | Access | High |
| Software | 5.2.7 | Eclipse IDE (version- oxygen compatible with 64 bit) | Access | High |
| Software | 5.2.8 | MySQL Community Server 8 | Access | High |
| Software | 5.2.9 | Visual studio code(compatible with 64 bit) | Access | High |
| Software | 5.2.11 | Apache Tomcat (Tomcat 9 version compatible with 64 bit) | Access | High |
| Software | 5.2.12 | Microsoft office | Access | High |
| Software | 5.2.13 | Browser   * Mozilla Firebox * Internet Explorer * Google Chrome | Access | High |
| Software | 5.2.14 | WLAN connection with 1mbps or higher | Sharing | High |

#### Data Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **Requirement ID** | **Data Requirement** | **Sharing & Access** | **Priority** |
| 1 | Product Details | Sharing | High |
| 2 | Product Images | Sharing | High |
| 3 | Customer details | Access | High |
| 4 | Admin details | Access | High |

# Non-functional REQUIREMENTS

## Archive and Retrieval Requirements

|  |  |  |
| --- | --- | --- |
| **Requirement ID** | **Archive & Retrieval Requirement** | **Priority** |
| 6.1.1 | All type of data should be saved in database | High |
| 6.1.2 | Data should be preserved | High |
| 6.1.3 | Able to retrieve the data quickly and efficiently | High |

## Performance Requirements

|  |  |  |
| --- | --- | --- |
| Ref. No. | Description | Priority |
| 6.2.1 | Product list should be displayed to the customer within 3 seconds | High |
| 6.2.2 | Submission of customer order must be completed within 3 seconds | High |

## Disaster Recovery Requirements

|  |  |  |
| --- | --- | --- |
| Ref. No. | Description | Priority |
| 6.3.1 | The server must be able to respond within 5 or 10 seconds even if the traffic on the server exceeds the limit | High |
| 6.3.2 | The server crash must be able to recover within 24 or 48 hours | High |

## Platform (Network) Requirements

|  |  |  |
| --- | --- | --- |
| Ref. No. | Description | Priority |
| 6.4.1 | 64 bit Windows 7 operating system | High |
| 6.4.2 | Internet connection with 1mbps or higher speed | High |

## Legal, Regulatory, Usability and External Affairs (LRUE) Requirements

|  |  |  |
| --- | --- | --- |
| Ref. No. | Description | Priority |
| 6.5.1 | Copyright, disclaimer and trademark of the product should be displayed for each product | High |
| 6.5.2 | Uniform look and feel between web-page must be displayed | High |

## Security Requirements

|  |  |  |
| --- | --- | --- |
| Ref. No. | Description | Priority |
| 6.6.2 | The customer’s browser must not show the password | High |
| 6.6.3 | The customer’s browser must automatically log out the session when the customer is inactive or when the customer is not available on the website | High |
| 6.6.4 | The backend database must be secured or encrypted or should not be hacked by others | High |

## Scalability Requirements

|  |  |  |
| --- | --- | --- |
| Ref. No. | Description | Priority |
| 6.7.1 | Limit on the number of items a visitor can buy at one time | Medium |
| 6.7.2 | Hardware or software plan be upgraded easily if the limit is exceeded | Medium |

# REFERENCES

* Case study of Great Outdoors
* BRS

# GLOSSARY

|  |  |
| --- | --- |
| GO | Great Outdoors |
| BI | Business Intelligence |
| CPU | Central Processing Unit |
| RAM | Random Access Memory |
| ROM | Read Only Memory |
| IDE | Integrated development Environment |
| JDK | Java Development Kit |
| WLAN | Wireless Local Area Network |