Application Development

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**iPRIMED Education Solutions Pvt. Ltd**

**ARICENT – Business Requirements Document**

**Student Performance Dashboard**

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# About this document

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| 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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REVISION HISTORY

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# Project/System Background and Description

The project is primarily focused to develop a shopping website for having outdoor visits. The main goal to provide all required option on one site with minimal returns and quality products in all required ranges. It helps in easier shopping options and convenient usage for customers with ease.

## Scope

The objective of the project is to have a user friendly site, easily accessible, with proper categories of availabilities, with proper secure banking of the details and proper cart management.

### In scope

* Providing various choices for one type of product.
* Access for having options of the address of the customer for shipment.
* Giving the required details, clear images, specifications, sizes clarity for a product.
* Easier creation of new login, for new customers.
* Greater organization of products for easier accessibility.

### Out of scope

* The site lacks the feature of gift packing for a customer.
* The site lacks the feature of gift code redemptions.

## Intended Users

The general people who wish to go for an outdoors and are in need of the such products can assess the site to get required products

## Business Drivers

* Number of quantities in a product sold
* Increasing the usage of online trade and commodities
* Site strength even in peak hours
* Salary of the employee

## Critical Success Factors

* + Increasing the product choices more and a clearer images and specifications
  + Providing options for discounts and gift code redemptions
  + Providing gift packing facilities and choice of selling products in wholesales
  + Providing combo sales and appropriate costing features
  + Improving in friendliness of the site in seeing similar products of better choices

# Current Environment

Great Outdoors (GO) is an electronic distributor of outdoor products. Great Outdoors sources the products from various manufacturers and supplies it to Retailers across various countries.

There profit was quite healthy and they invested into the business to drive growth as a result of which their net profit margins are very thin and at times become red as well. So, there is a constant pressure to optimize on costs and enhance profitability so that they can fuel further growth. Great Outdoors is always looking at opportunities for cost optimization in order to enhance profitability.

* Outdoor’s revenue has been increasing at a rapid rate of > % per year on year.
* Gross Profit is quite healthy at 40+%.
* There are huge variations swinging from positive to negative growth. Consistent quarter on quarter performance is essential for the company to go public. This is a major concern for the Great Outdoors leadership as they have been aiming to go public in order to raise funds for future growth.
* “Returns” has been increasing over the years. This can be due to multiple reasons:
  + Unsatisfactory product
  + Defective product
  + Incomplete product
  + Wrong product ordered
  + Wrong product shipped
* Sometimes the order may reach the customer late, this also creates negative impacts.
* Recently, they are implementing BI solutions to enhance the sales and supply chain.

# Target Environment

## Process Flows

**Website**

**Go to home page**

**Login or signup**

**Add to cart**

**Select the product you need**

**Search for the products you need**

**Delivery of order to the customer**

**Enter the details and shipping address**

**Place order**

## Workflow

**Add delivery address**

**Place order**

**Add to cart**

**Product page**

**Login or Sign up**

**Home page**

**If not logged in**

**User**

**Login**

**Admin**

**Database**

**Different products**

**Search for product**

**Add to cart/ delete product**

**Logout**

# 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** | Archival length of time need to be retained within the application. Level of difficulty to retrieve archived data | **High** |
| **6.1.2** | After a case has been archived an end user must have the ability to reinstate a case from the application’s user interface. The reinstatement must take place within 24 hours. | **High** |
|  | | |

## Performance Requirements

|  |  |  |
| --- | --- | --- |
| Ref. No. | Description | Priority |
| 6.2.1 | During the process "Update Customer" system responses should be no more than 1 second. | Process Level |
| 6.2.2 | Reliability and Responsive Requirements in performance |  |
| 6.2.3 | Batch or background processing must not affect the performance of ‘online’ transactions. | High |

## Disaster Recovery Requirements

|  |  |  |
| --- | --- | --- |
| Ref. No. | Description | Priority |
| 6.3.1 | Document the requirements for system behaviour and operation in the  Event of a disaster | **Data** |

## Platform (Network) Requirements

|  |  |  |
| --- | --- | --- |
| Ref. No. | Description | Priority |
| 6.4.1 | Specify the requirements associated with any communications functions required by this system, including e-mail, web browser, network server communications protocols | **Process and data** |
| 6.4.2 | Specify the expected bandwidth requirements. |  |
| 6.4.3 | Specify requirements for data transfer rates and message synchronization. |  |
| 6.4.4 | Identify any communication standards that will be used, such as FTP or HTTP. |  |

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

|  |  |  |
| --- | --- | --- |
| Ref. No. | Description | Priority |
| 6.5.1 | **For Legal and regulatory Requirements**  Process: The user must confirm that they have notified the customer of the updates they have made before saving changes made during "Update Customer". | **process Level** |
| 6.5.2 | Data: All changes to Customer data will be held for 6 years from the date of change | **Data Level** |

## Security Requirements

|  |  |  |
| --- | --- | --- |
| Ref. No. | Description | Priority |
| 6.6.1 | Process: Only users holding the role "Customer Advisor" or "Supervisor" can access "Update Customer" | **Process level** |
| 6.6.2 | Data: Only users holding the role "Supervisor" can update customer Date of Birth. | **Data Level** |

## Scalability Requirements

|  |  |  |
| --- | --- | --- |
| Ref. No. | Description | Priority |
| 6.7.1 | Document the requirements for increasing the capacity of the system over time |  |
| 6.7.2 | Up to 200 new sites per year may start to use "Update Customer". | **Process** |
|  | | |

## REFERENCES

* Google
* Case study of get outdoors
* Wikipedia
* 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 |
| Business Drivers | | A reason that a project is deemed important enough to fund, stuff and spend time on. | |
| External affairs | | The outside relationship that affects the completion of the project. | |
| LPM | | Legal project management | |
| Process flow | | It is the ongoing collection of activities, with inputs, outputs and the energy required to transform inputs to outputs. | |
| Usability | The person or organization that will use the project’s product or service. | | |