*MINTED GOLD AND JEWELRY INVESTMENT LLP.*

*Business requirement document for e-commerce website.*

**Online Gold and jewelry shopping websites**

**Business Requirements website documents**

(BRD) e-commerce website

July 2023

1. Documents revision

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| --- | --- | --- |
| Date | Version no's | Documents changes |
| 17/06/2023 | 1.0 | Initial draft |
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2 Approvals

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Role | Name | Title | Signature | Date |
| Project sponsor | Chika Mmerem | Mr |  | 17/07/2023 |
| Co owner | Mmerem udoka | Mr |  | 17/07/2023 |
| Co owner | Mmerem chika | Mr |  | 16/07/2023 |
| Project manager | Emeka Mmerem | Mr |  | 16/07/2023 |
| System architect | Derek idjai | Mr |  | 16/07/2023 |
| Developer lead | Peter arasowan | Mr |  | 17/07/2023 |
| SEO and content lead | Basil omeje | Mr |  | 17/07/2023 |

3. **Introduction**

3.1 Project summary

3.11 Objectives

\* To enhance the buying and selling of minted gold and other customize jewelry via an e-commerce website.

\* Creating an e-commerce platform for buyer to buy gold and jewelry from a website.

\* Customers/buyer will be able to search for the various kind of jewelry for eg. Bullion gold, customize wedding bands, other jewelries etc. And will be able to order it from our website and make payment for such products online.

\* Business owner will be able to manage it products by category and prices with different seize and colours, owner will be able to deliver the items to buyer on shipping address mention by the buyer while placing an order.

\* Customers will be able to track their order shipments.

3.1.2 background

Website is necessary for simplifying the process of selling and buying of all kind of minted gold customers should be able to search the desired items and can place the order by making payment online, which will also help business owners to streamline his offline business of gold selling and buying reduce cost and grow its revenue by making businesses online.

3.1.3. Business Drivers

\* Customers are looking for faster delivery of items with good quality and services.

\* Customers/buyers are the major end user who searches for good quality jewelries with a reasonable price.

\* Admin is the business manager who will be responsible for managing the products catalog, categories, price and shipping services on website.

3.2

Project scope

The scope of the project is to design and develop an online e-commerce website for minted gold and jewelry. Customers will be able to use the interface of the website for searching the items they desire and place an order by making online payment. Web based admin panel will help business owner to manage the online catalog, products categories, price and orders place by the customers.

3.2.1

In scope functionality

Buyer

\* Login

\* Registration

\* Search products

\* Product listing and search results

\* Product details with available variation

\* Add to cart

\* Add to wish list

\* Checkout and online payment of the order

\* Share products on social media

\* Rating and review on product

\* Place the order

\* Manage address book

\* My account

\* Order listing

\* Order tracking

ADMIN

\* Ability to create/edit/delete products

\* Manage products categories and sub categories

\* Manage products catalog

\* Manage orders

\* Manage customers

\* Manage shipping

\* Manage payment

\* Manage roles and permission

\* CMS pages management

\* Rating and reviews management

\* Statistics and report

3.2.2

Out of scope functionality

\* Ordering customize products

\* Realtime order tracking

\* Cash on delivery option for buyers.

3.3

User Role

|  |  |
| --- | --- |
| Role | Description |
| Visitors | \* Visitors will be able to search for products using keyword and category search  \* View products description  \* View products rating and review  \* Share products on social media  \* Share shipping availability and it PIN code  \* Check variation like colour and seize  \* Contact support |
| Buyers | \* Customers login registration  \* Search products by keyword categories and sub categories  \* View products listing by sorting and filter option  \* View products details  \* Add to wish list  \* Share on social media  \* Monitor shipping  \* Shopping cart and checkout  \* Post rating and reviews  \* My order history  \* My account settings  \* Contact support |
| Admin | \* Manage customers  \*Manage products  \* Manage products categories and sub categories  \* Manage orders manage shipping  \* Manage payment  \* CMS payment rating and reviews  \* Statistics and report  \* Manage rules and permission. |

3.4

System perspective

3.4.1

Assumption

\* Inventory (physical storage/warehouse) of products are already established

\* Admin will manage products catalog with products code

\* Product on custom size and colour are not going to be sold on website

\* Price of the product will be in NGN

\* Website will accept orders from Nigeria only for the start.

3.4.2

Constraint

\* Training

\* Additional features or changes in feature and functionality describe in documents may require changing the time and costing estimation of the project development

\* Timeline for enterprise platform update will impact testing and execution and delivery plan

\* Budget

\* Schedule (August 2023 delivery date for the project)

3.4.3

Risk

Lack of training to the employees regarding use of system

3.4.4

Issues

\* Auditor approval of our new process and system

\* Senior Management buy of on the approach

\* Funding for this initiative

\* Developer resources.

4. Business process overview

\* Buyer get registered on website

\* Search for the desired products on website using keyword search or categories

\* View products listing

\* Get on product details page to view products description, rating and reviews for the product

\* Add product to wishlist or ad to cart for buying the product

\* Proceed to checkout and online payment of the order, perform any changes in quantity billing and chipping address

\* Place order successfully by making online payment of the order through payment gateway using debit card

\* Track order status by receiving emails notification for the same

\* Track order status and received email notifications for delivery

\* Received order and contact customer care for complain/queries

\* End of buying process.

4.1

Flow chart

Determine needs of the customer and prepare stock

Buyer visit website

Browse products categories

Search by keyword

Product listing

Search by categories

Product details

Add items in cart

Check login status

Buyer get register and login

Buyers account created on website.

Is buyer login?

Navigate to login and registration form

Check out and payment

Order confirmed

Order preparation and create shipment

Order shipped to buyer

Any problem with delivery?

Contact admin === order fulfil ======== end!.

5. Business requirements

The requirements in his documents is as follow

|  |  |  |
| --- | --- | --- |
| Value | Rating | Description |
| 1 | Critical | Most urgent and most important requirements |
| 2 | High | Urgent but not as critical requirements and important requirements |
| 3 | Medium | Important but not urgent requirements |
| 4 | Low | Low important and not urgent requirements |
| 5 | Future | Future scope requirements |

5.1

Functional requirements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Req# | Priority | Description | Rationale | Impacted stakeholder |
| Fr-001 | 1 | Login | User will be able to login in using email and pass word.  Reset password option for the user to reset his password Incase of forgotten password  User should be able to log into website using his google mail. | Buyer |
| Fr-002 | 1 | Registration | Buyer will be able to get registered on website with simple registration form with below details.  \* First name  \* Last name  \* Email id  \* Contact number  \* Password  \* Confirm password  \* Accept terms and conditions  \* Email id verification is compulsory to get login into website  \* User will get email verification link on register email to verify the email once. Email id verification successful, user will be able to login into website with email and password. | Buyer |

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| --- | --- | --- | --- | --- |
| Req# | Priority | Description | Rationale | Impacted stakeholder |
| Fr-003 | 1 | Search | Buyer will be able to search the product by keyword by browsing through categories/sub-categories, using filter and sorting option.  User will be able to search for the products without login into website. | Buyer/guest user |
| Fr-004 | 1 | Product listing | Buyers will be able to view listing of the following details.  \* Product title  \* Thumbnail image  \* Price  \* Rating and reviews  By clicking on product title and image user will be able to navigate on product detail page to view more details of the product.  User should be able to view the product listing and details without login | Buyer/guest user |
| Fr-005 | 1 | Product details | User should be able to view all product details on this page. Login will not be require to view products details .  User will be able to check the shipping availability by entery the necessary code when giving by the courier service provider.  User would be able to view the following details about the products and products details page.  \* Product title  \* Thumbnail image  \* Product image  \* Product description  \* Price, seize and colours  \* Rating and reviews  User should be able to add the product to s/he shopping cart user should be able to add the product to wishlist.  \* User will be able to share products on social media.  \* User will not be able to add product to wishlist without login. | Buyer/guest user |
| Fr-006 | 2 | Wishlist | Buyer will need to get registered and login into website to maintain his list of items in wishlist  \* Buyer will be able to view/add/delete products added into his wishlist user will be able to proceed to checkout process of items available in wishlist. | Buyer |
| Fr-007 | 1 | Shopping cart | \* The product can be added into shopping cart from the product details page.  User is required to get register and login to manage the items in his shopping cart.  \* User will be able to add items and remove items, update quantity of items in shopping cart.  \* User will be able to proceed to checkout of any item/ items available on shopping cart.  \* User will be able to view item prized, sub total and total price of items available on shopping cart. | Buyer |
| Fr-008 | 1 | Checkout payment | Payment and checkout process of the items selected from the shopping cart will be consider for placing orders.  \* Buyer is required to login into website for payment and checkout.  \* Buyer is required to enter shipping address before payment.  \* Buyer is required to select payment method for order payment.  Debit/credit card payment or transfer on some rare occasions.  Buyer will be able to view the order summary on this page. Order summary will show the following details.  \* Item total  \* Sub total  \* Shipping cost  \* Tax  \* Order total  \* Buyers will be able to receive email notifications for the order status update. | Buyer |

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| --- | --- | --- | --- | --- |
| Fr-009 | 4 | Social media sharing | \* User will be able to share products on social media  \* Login is not mandatory to share products on social media | Buyer/ guest user |
| Fr-010 | 1 | My account | \* Buyer will be able to manage their following details from account section.  \* Profile details, email, phone number  \* Change password  \* Addresses  Buyer will be able to access below section from my account.  My order  My wishlist  Shopping cart  Logout | Buyer |
| Fr-011 | 2 | Rating and reviews | Users will be able to give ratings and reviews of products which he has order in past/recently  \* User will be able to post rating and reviews only for the product which he has order from the website.  \* Login mandatory will be necessary to post rating and reviews. | Buyer |
| Fr-012 | 1 | Order history | \* Buyer will be able to view the order list ie order place by the buyer on past.  \* User will be able to view all details about the other with total amount paid, shipping address, item quantity, price per unit etc.  \* User will be able to reorder the item which are show in the order details.  \* User will be able to track his order from my order section | Buyer |
| Fr-013 | 2 | Contact support | Buyer will be able to track support team via email regarding any queries/complaints by simply posting name, email, contact number and message to the admin.  \* Admin will be able to receive email regarding complain details posted by buyer | Buyer/ admin / user |

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| --- | --- | --- | --- | --- |
| Fr-014 | 1 | Login | \* The admin will be able to log into the admin panel  \* The admin will be ask to enter the username and password in the given field.  \* Reset password option for the admin in the case of forgotten password | Admin user/ sub user |
| Fr-015 | 1 | Dashboard | Admin user will be able to view the following information on the dash board  \* Total number of active and inactive register buyers  \* Total nos of products uploaded to website  \* Total revenue for today/ this month. | Admin user/sub user |
| Fr-016 | 1 | Buyer management | Admin user will be able to view/edit active/inactive buyers account information from this section.  Admin user will be able to view all details of the buyers account like profile details, address, orders, wishlist and items in cart. | Admin user/ sub user |
| Fr-017 | 1 | Order management | \* Admin user will be able to view all order place by the buyers on website with current status of each order.  \* Admin user will be able to view/edit order details.  \* Admin user will be able to update the status of order place by the buyer.  Status of the order will be as below  \* Open  \* Inprocess  \* Confirmed  \* Shipped  \* Delivered  \* Admin user will be responsive for shipment place by the buyers.  \* Admin user will be able to maintain the shipment details for each buyer into the system for each order.  Courier service provider  Tracking id  Current state of shipment  Delivery location/ address  Shipping cost | Admin user/ sub user |

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| Fr-018 | 1 | Product category management | Admin user will be able to add/edit active and inactive products category and sub category from the section  User will be able to add product under these categories and sub categories from the product management section | Admin user/ sub user |
| Fr-019 | 1 | Product management | Admin user will be able to add/edit/active/inactive products in catalog from this section.  Admin user will also be able to manage the following information of the product.  Product name  Image  Description  Keywords  Variation ie. Colour and size | Admin user/ sub user |
| Fr-020 | 1 | Payment management | Ability for the admin to view/edit payment information manage by the payment gateway.  Admin user would be able to view payment status of each order place by the buyer.  Paystack payment gateway will be use for the on payment integration. | Admin user |
| Fr-021 | 3 | Rating and reviews | Admin user will be able to approve and reject rating and reviews posted by the buyer for product | Admin user/ sub user |
| Fr-022 | 2 | Statistics and report | User will be able to view the following report in system .  Product upload  Date from- from to  Month  Year  Revenue/ total sales  Today  Current week  Date: from to-  Month  Year  Admin user will be able to export report into pdf and excel format. | Admin user/ sub user |

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| --- | --- | --- | --- | --- |
| Fr-023 | 2 | System management | Admin user will be able to create/edit/delete active and inactive sub-user to operate the various sectional operation of the system. | Admin user/ sub-user |
| Fr-024 | 2 | Role management | Ability to add/edit/delete active and inactive some admin user with role base access | Admin user/ sub user |
| Fr-025 | 2 | CMS management | Admin user will be able to edit the content for the below CMS page.  About us  Contact us  Privacy policy  Terms and condition | Admin user/ sub users |
| Fr-026 | 3 | Email management | Admin user will be able to add/edit/delete content for email to be sent to buyers, regarding new product launch offer and promotions. | Admin user/sub user |
| Fr-027 | 2 | Complain and feedback | Admin user will be able to view queries/complain and feedback received from the buyers, admin will also received an email regarding the feedback/ complain and queries send by the buyers. | Admin user/ sub user |

5.2

NON FUNCTIONAL REQUIREMENTS

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| ID | REQUIREMENTS |
| NFR-001 | Scalability: the website repository will accommodate upto 1000 user concurrently. |
| NFR-002 | Speed: website should not take more than 30seconds to load in good speed of internet |
| NFR-003 | Reliability; web should not get broken and display page not found error if page is not available |
| NFR-004 | Security: SSL security and encryption for online payments. |

6. Appendix

6.1 list of acronym

6.2 glossary of items

6.3 Related documents