Requirements Specification

for

POS ESS Integration and POS Modernization

(Version 1.0)

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Table of Contents

Revision History

Name	Date	Reason For Changes	Version
Md Maruf Ul Alam	18th January, 2022	Final requirement	V 1.0

1. Introduction

1.1 Purpose

The impact of daily sales apps in modern business is immeasurable. A lot can be done by using the right sales productivity tools. With the high-end sales team tools, sales team can not only increase Banglalink's sales but also improve internal team collaboration for offering better services to the retailers and stakeholders.

The purpose of the POS Modernization to help the end user with access to real-time data or reports on the go to make their life easier and efficient.

1.2 Document Conventions

According to company policy.

1.3 Intended Audience and Reading Suggestions

According to company policy.

1.4 Product Scope

A consolidated requirement for POS Modernization for Sales, Finance, IT and other AD user employees is the scope of this BRD.

1.5 References

POS Modernization (V: 1.0), DMS, EV System, ESS and other required systems with relevant processes.

2. Overall Description

2.1 Product Perspective

N/A

2.2 Product Functions

The application used by Sales, Finance, IT and other AD user employees of Banglalink Digital Communications Ltd

2.3 User Classes and Characteristics

N/A

2.4 Operating Environment

The application must be mobile operating system agnostic. This application is expected to be compatible with all available web browser.

2.5 Design and Implementation Constraints

N/A

2.6 User Documentation

Provided in details

2.7 Assumptions and Dependencies

Several Systems (DMS, EV, ESS) and Data warehouse etc.

3. Scope Summary

3.1 Restructure of POS Admin Module

3.2 Restructure of POS Sales Module

3.3 Restructure of POS Inventory Module

3.4 POS – ESS integration

3.5 Incorporation of (MONOBRAND) center in DMS

4. Scope Details

4.1 Restructure of POS Admin Module

4.1.1 Redesign of User management panel (Security) of POS Admin Module.

a) Roll Group
b) Roll info
c) User Group
d) Assign Center
e) User info
f) Change Password

4.1.2 Redesign in Setup menu in POS Admin Module

a) Distributor VS Warehouse mapping
b) User VS Warehouse tagging
c) User VS Center Tagging
d) User Vs Distributor Tagging
e) RFRAISER
f) Location
g) DBSSAPI center request list
h) Center
i) Sub credit Account
j) Channel
k) Shop channel
l) Product VAT
m) Redesign in Distributor Balance menu
   1. Account type
   2. Distributor Account
   3. Transaction Type
   4. Default Account Transaction Order
   5. Upload Distributor Credit
   6. Distributor Credit edit
   7. Approve Credit Limit

n) Redesign in Product menu
   1. Product Category
   2. Product Subcategory
   3. Product
   4. Price Breakup
   5. Product Price Breakup

o) Redesign in Collection menu
1. collection mode
2. Collection Type
3. Adjustment Type
4. Warehouse Creation
a) Bank
b) Reason for sales return

4.1.3 Redesign in Promotion Menu

a) Promotions
b) Price Code
c) Promotion Cycles
d) Pricing
e) VAT Challan Value

4.1.4 Redesign of Shop Management

a) Assign User in a center
b) Teller
c) Assign User to Teller
d) Sales Person
e) Shopwise Collection
f) Shop Calendar
g) Shop Reopen
h) Assign Store in Center
i) Attach Center

4.1.5 Redesign of Report in admin module

a) Product and Pricing
1. Product
2. Price Breakup
3. Promotion Pricing
b) Shop
1. Shop calendar
2. Shop opening and closing
c) Audit
1. RF
2. Collection
3. Invoice
4. Product Pricing
5. Return Audit

4.2 Restructure of POS Sales Module

4.2.1 Redesign in Sales menu in POS Sales Module

a) BDSSAPI Req Response Report
b) BDSSAPI SIM configuration
c) Req RF Master
d) Sales RF
e) Internal RF
f) Material Return
g) Return Invoice
h) RF View
i) RF Approval
j) Change Password
k) Warehouse Transfer RF
l) Center Transfer RF
m) DMS Inventory Synchronization
n) Mapping Distributor MobileNo

4.2.2 Redesign in Collection menu in POS Sales Module

a) Sales Collection
b) Credit Authorization
c) Credit Collection
d) Sales Adjustment
e) Collection List
f) Pending of Disbursement
g) Disbursement list
h) Teller Cash Transfer
i) Shop Opening and Closing
j) Teller Opening
k) Teller Balance

4.2.3 Redesign in Distributor Balance menu in POS Sales Module

a) Payable to Distributor
b) Receivable from Distributor
c) Collection List
d) Sales RF
e) Distributor Sales Ledger
f) Distributor Collection VS Sales
g) Distributor Balance Specific Date
h) Dist. Balance Movement
i) Dist. Credit Balance Status
j) Alt Balance Transfer Report
k) Distributor Sales
l) Distributor Termination
m) Balance Transfer

n) Alt Channel Balance Transfer
o) Price Adjustment
p) Return Product
q) Upload Credit Limit
r) Credit Limit Edit
s) Approve Credit Limit
t) Commission
u) Commission Name
v) Commission Reference
w) Distributor Mail setup

4.2.4 Redesign in Delivery Balance menu in POS Sales Module

a) General VAT Challan
b) General VAT Challan Center
c) Challan list
d) Challan list Center
e) Delivery (Non-Warehouse product)
f) Delivery (Warehouse product)
g) Delivery RF
h) Generate Return VAT Challan
i) Return Challan list

4.2.5 Redesign in Report menu in POS Sales Module

a) Redesign in Lifting menu

1. Dealer/Segment wise summary (Product)
2. Channel wise Summary (Product)
3. Dealer/Segment wise summary (Product Family)
4. Dealer/Segment wise summary (Channel)
5. Region wise summary (Category)
6. Summary_Product And WH
7. Summary_Sales Region
8. Summary_WH Region
9. Lifting Details
10. Lifting Cumulative Report
11. Summary: Collection VS Lifting Amount
12. Details: Collection VS Lifting Amount
13. Lifting and Payment Details
14. Center Wise Summary Report
15. EV Lifting Report
16. EV Return Details Report
17. POS vs EV Reconciliation report

b) Redesign in Finance menu

1. Product wise summary
2. Distributor wise summary
3. Distributor wise summary(Alt)
4. Distributor wise WHT Report

5. Center wise Sales Summary
6. Sales By Promotion
7. Dist. Bal Stock Ledger
8. Dist. Bal Invoice Summary
9. Dist. Bal Ledger Summary

c) Redesign in Collection menu

1. Collection wise RF
2. Collection Details
3. Area wise Collection
4. Distributor wise collection

d) Inv Distributor Wise Report
e) Distributor Sales Ledger Report(Without CC)
f) Distributor Credit Movement with issue collection
g) Distributor All sub Acc in one Report
h) Distributor single Sub Acc Report Date Range
i) Shop Detail
j) VAT Challan
k) Alternative channel vat challan
l) vat Challan (Ttop'up)
m) Pending for Disbursment
n) Commission Report
o) Distributor Money Receipt
p) Commission Statement

4.2.6 Redesign in Bank Guarantee Management menu in POS Sales Module

a) Bank Guarantee
b) Bank Guarantee Release Request
c) Bank Guarantee RC/RL Approval
d) Credit Limit against Bank Guarantee

4.2.7 Redesign in Product return menu in POS Sales Module

a) Return Pending
b) EV/Physical Return Approval
c) Return VAT Challan
d) Return Delivery

4.3 Restructure of POS Inventory Module

4.3.1 Redesign in Set up menu in POS Inventory Module

a) Supplier List
b) SIM data Load
c) Load SIM Two
d) Inventory Data

4.3.2 Redesign in Warehouse menu in POS Inventory Module

a) Supplier Receive PO
b) Supplier Receive
c) Supplier Receive Test
d) Pending Supplier Approve
e) Supplier Approved List
f) Suppler Receive from Center
g) Supplier Receive from Center Approve
h) Supplier Receive from Center Approved List
i) Redesign In Courier menu
    1. Courier Receive Pending
    2. Submit for Approval
    3. Approved for raising RF
    4. Close RF
j) Return Delivery
k) Return to Supplier
l) Return to Supplier approval
m) Transfer List
n) Edit Transfer List
o) Warehouse Transfer Receive
p) Warehouse Delivery
q) Edit Exit Details
r) Production
s) Production Receive
t) Product Return
u) Product Return by Distributor Balance
v) Product Return to Warehouse
w) Return VAT Challan
x) Dispose Product
y) Write off Request

4.3.3 Redesign in Tele Sales menu in POS Inventory Module

a) Issue SIM to Team Leader
b) Return SIM to Back office
c) Issue SIM to BDO/BSP
d) Return SIM to BDO/BSP to Team Leader
e) Redesign in Setup menu
    1. Team Leader Add
    2. BDO/BSP Add
f) Redesign in Report menu
    1. Issue SIM To Team Leader
    2. Return SIM to Back office
    3. Issue SIM to BDO/BSP
    4. Return SIM BDO/BSP to Team Leader
    5. SIM Inventory Status
    6. Receive SIM from WH
    7. Return SIM to WH

4.3.4 Redesign in Sales menu in POS Inventory Module

a) Receive
b) Center Transfer List
c) Edit Center Transfer List
d) Inventory Status
e) BSP Inventory Status
f) Sales by Product
g) Sales by Promotion
h) Details Transfer Reports
i) Details Receive Reports

4.3.5 Redesign in Inventory Team menu in POS Inventory Module

a) Expire SC Report
b) Details Transfer Reports
c) CCD SWAP Issue Reports
d) BSP SWAP Summary Details Reports
e) BSP SWAP Summary Reports
f) SWAP Details Reports
g) Direct Sales Details
h) Direct Sales Summary
i) BSP Movement Details
j) BSP Movement Summary
k) Care Center Movement

4.3.6 Redesign in Reports menu in POS Inventory Module

a) Courier Delivery RF Status
b) Courier Delivery RF Status 1
c) Enter Details
d) Supplier Receive Report
e) Warehouse Receive Report
f) Enter All Report
g) Exit Details
h) Transfer Details
i) Return Details
j) Production Details
k) Redesign in Current Stock menu
    1. Stock Ledger Reports
    2. Current Stock Reports
    3. Movement Reports
l) Issue Details Reports
m) Available warehouse info
n) Available warehouse stock
o) SIM TRACKER info
p) Write off request report
q) Write off approval report
r) Block Request Report
s) Block Approval Report
t) Dispose Report

u) Supplier PO Receive Report
v) Return to Supplier Report
w) Internal Transit Product Status Report

4.3.7 Redesign in Special Reports menu in POS Inventory Module

a) Distributor Wise Reports
b) Distributor for courier
c) RF Wise Reports
d) Stock IMSI Wise Report
e) Stock All Zone
f) ISSUE Report All Zone
g) Issue IMSI wise All Zone
h) Recall Report all Zone
i) Consolidated Movement
j) Transfer IMSI wise all Zone
k) Transfer Receive Report All Zone
l) Scratch Card report Status
m) Handset Inventory Report

4.3.8 Redesign in Searching menu in POS Inventory Module

a) Inventory SIM Available
b) Searching Issue (Ring)
c) Searching Issue (Oras)
d) Searching Issue (BL)

4.4 POS – ESS integration

4.4.1 Integration of Supplier Receive serial from ESS to POS

4.4.2 Integration with ESS for Sales Delivery from POS

4.4.3 Product Return Request Integration with ESS from POS

4.4.4 Integration of Transfer request and receive from ESS to POS

4.4.5 Integration of Distributor Sales from POS to ESS

4.4.6 Integration of Distributor Collection from POS to ESS

4.4.7 Integration with ESS for Product return from POS

4.4.8 Integration with ESS for Distributor Data from POS

4.5 Incorporation of (MONOBRAND) center in DMS

Monobrand center integrate in DMS as like retailer in DMS. Also, need to sync inventory and maintain inventory as like retailer.

5. External Interface Requirements

N/A

5.1 User Interface

N/A

5.2 Software Interfaces

Interactive and dynamic scopes in tabs

5.3 Communications Interfaces

POS to connect with several Systems (DMS, EV, MDMS, Salescom) and Data warehouse. This subjected to the decision based on integration requirements, wherever necessary and feasible will be integrated as per this BRD and feasibility analysis by IT BSS team.

6. System Features

Interactive app with following features:

6.1 Language:

The application is recommended to be in English.

6.2 Menu:

N/A

6.3 Special Considerations:

N/A

6.4 Performance Requirements

N/A

6.5 Security Requirements

N/A

6.6 Software Quality Attributes

N/A

6.7 Business Rules

N/A

7. Non-Functional Requirement

1. **Technology Stack:**
   The solution has to be built on Linux/ASP.Net/IOS/Oracle stack. It should be able to communicate external system which are based on other technology stack through API or DB Link.

2. **Confidentiality:**
   Solution provider must maintain confidentiality of Non-Disclosure Agreement (NDA).

3. **BL Resource usage:**
   BL cannot provide any logistic support (pc/laptop, internet connection, any software, physical device or documents etc.) for development.

4. **Source code handover:**
   Vendor has to handover the complete technical and functional documentations including application and database design.

5. **System Integrations**
   The system has to be capable of consuming any kind of API provided by different external systems.

6. **Other system's data processing:**
   Vendor has to provide all kind of development regarding other systems data collection as well as any backend processing required.

7. **Necessary Training:**
   Vendor has to provide complete training on functionalities and technical troubleshooting.

8. **Deployment Mode & Support:**
   Vendor has to deploy the solution in Banglalink premises in Windows or Linux server. Vendor have to ensure at least one-year instant support for any kind of operational issue. Application should be connected with Banglalink Source code repository.

9. **Timeline Requirement:**
   Supplier must implement this Application within 5 months after the PO. But Delivery shall be phase wise within this timeline.

10. **Technical Knowledge on Scope:**
    The supplier must be experienced in all required technologies of this project.

11. **Security & Compliance:**
    The software and whole solution must have to comply with Banglalink IT security policy, SDLC process, system access right policy, password policy, and maintain VAPT guidelines and compliance.

12. **Maintain Log:**
    The system must maintain all types of transaction log to check & validate authorized/ unauthorized changes.

13. **Process & Audit:**
    While developing solution, ensure compliance with all process & policy including SDLC process, system access right policy etc.

14. **Company Profile:**
    The company should be well reputed based on market footprint

Appendix A: Glossary

<Define all the terms necessary to properly interpret the SRS, including acronyms and abbreviations. You may wish to build a separate glossary that spans multiple projects or the entire organization, and just include terms specific to a single project in each SRS.>

Appendix B: Analysis Models

<Optionally, include any pertinent analysis models, such as data flow diagrams, class diagrams, state-transition diagrams, or entity-relationship diagrams.>

Appendix C: To Be Determined List

<Collect a numbered list of the TBD (to be determined) references that remain in the SRS so they can be tracked to closure.>