



SRS: Buna Tetu

(Procurement Management Module)

For: Kerchanshe Trading PLC

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Document Approval

This document has been accepted and approved by the following:

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1 Introduction

The purpose of this document is to give a detailed description of the requirements for the "Procurement Management Module" for BUNA TETU (ERP). The document will illustrate the purpose and complete declaration for the development of the system. This document primarily intends to be proposed to a customer for approval, and a reference for the development team to develop the first version of the system. The customer shall review the document and changes shall be updated as per the requirements. Once the document is frozen, the team shall proceed with the "Procurement Management Module" prototype development.

1.1 Product Perspective

Primarily, the scope of the document pertains to the application features for the development of the Procurement Management Module that shall be one of the module under the ERP – BUNA TETU.

The application will have the following core components:

❖ **Procurement Management Module**

Procurement Management module shall be developed as a module, which shall have a web based application and an android mobile application. This can be later, plugged into the ERP. This module shall have the users mentioned below:

- 1) Super Admin
- 2) HQ Approval Team
- 3) Procurement Officers
- 4) Leadership Team

❖ **Super Admin**

Super Admin shall have the below functionalities:

1. Manage Procurement Officer
 - Fields are First Name, Last Name, Email ID, Contact no, Branch, PIN
2. Manage Branch
 - Fields are Upload XL sheet/select branch, branch ID, branch name
3. Manage Farmers
 - Fields are Upload XL sheet/add farmer ID, farmer name, branch code, branch name, contact no
4. Manage mobile devices (Add IMEI number)
5. Edit/Activate/Deactivate & Remove Procurement Officer, HQ Approval Team, farmers, Branches, Devices, CXO members
6. Change Password

7. Dashboard(proposed elements)
 - a. Total Farmers
 - b. Total Procurement Officers
 - c. Total Registered Officers
 - d. HQ Approval Team
 - e. Procurement Officers
 - f. Branches
 - g. Farmers

❖ **HQ Approval Team**

HQ Approval Team member shall have the below functionalities:

1. Approve/Reject Purchase Requests from Procurement Officers
2. Add notes
3. Change password
4. Dashboard(proposed elements)
 - a. Procurement requests
 - b. Approved requests
 - c. Pending requests
 - d. Request List

❖ **Procurement Officer**

Procurement Officer shall have the below functionalities:

1. Super Admin adds the IMEI number for adding a new device
2. Install the application in device through the apk send by the super admin in mail
3. Login using license key and the PIN
4. Scan QR code/enter details of the farmer
5. Send request for procurement(add notes) to the HQ team for approval:
 - If approved the Procurement Officer shall purchase
 - If rejected the Procurement Officer shall view the notes and add notes
6. Procurement Officer shall edit purchase(Order cannot be edited once it is purchased)
7. Once the purchase is done the Farmer shall receive SMS

❖ **Leadership Team**

Leadership (cXo, Managers) team shall only have the Dashboard as functionality:

1. Dashboard(proposed elements)
 - a. Procurement Requests
 - b. Approved Requests
 - c. Pending Requests
 - d. Procurement details (Farmer ID, Area, Type, Quantity, Quality, price, status, Approval Officer)

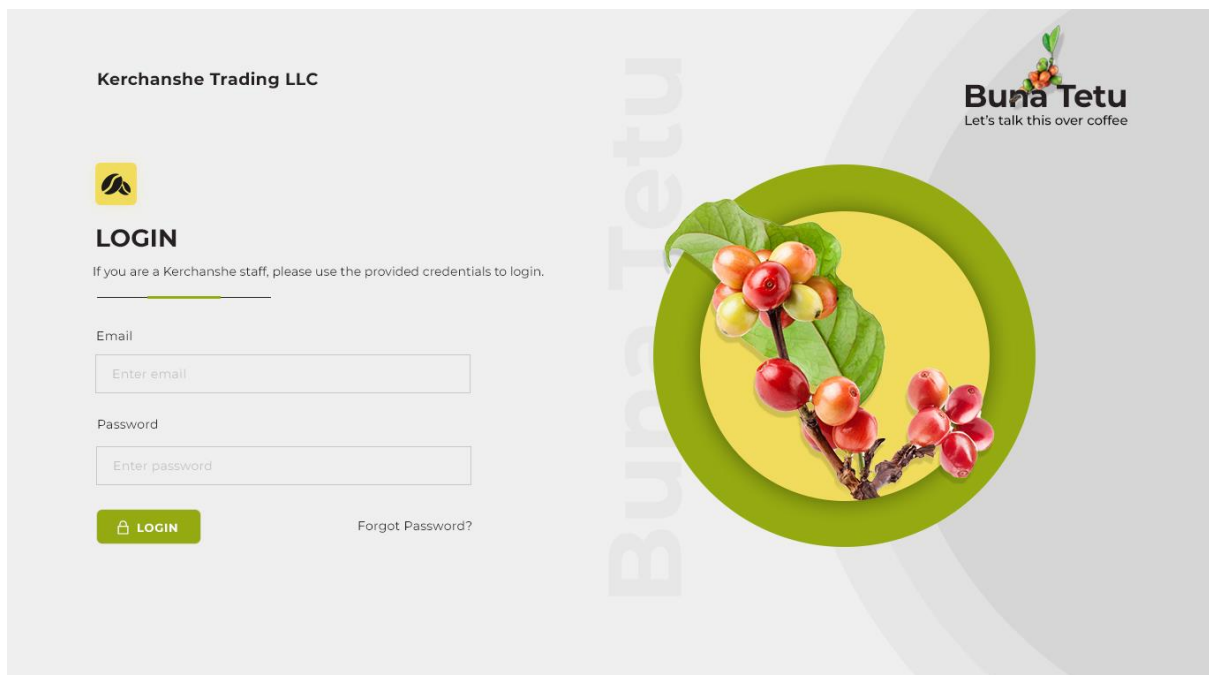
2 Functional Requirements

2.1 Web Application

2.1.1 Splash Screen

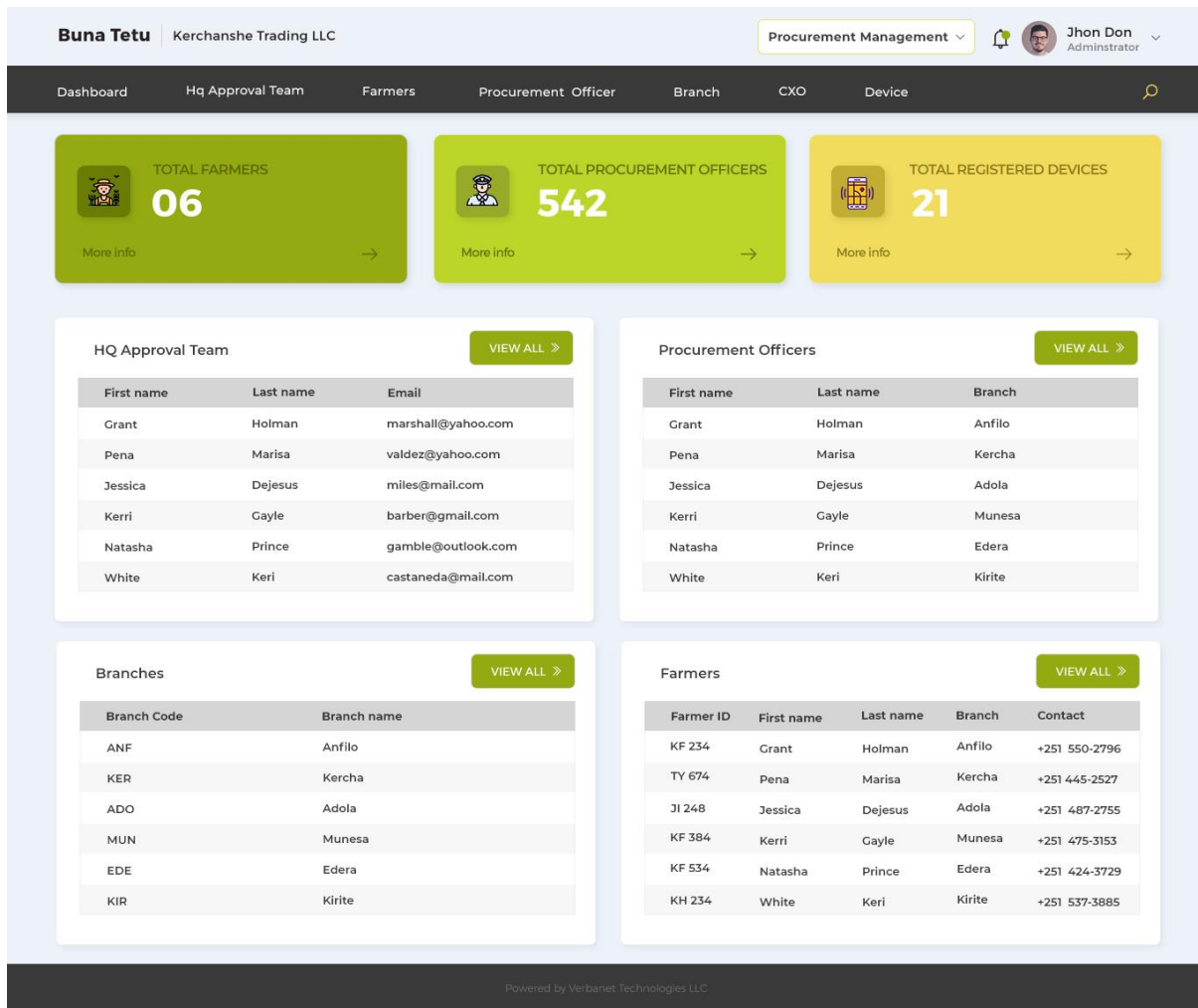


2.1.2 Login Screen



Users (cXo, HQ approval team, Super Admin) shall login using the Email and password. If the user forgets the password, clicking the forget password option shall send a password to the mail.

2.1.3 Procurement Dashboard (Super Admin)



The Dashboard shall have the below elements:

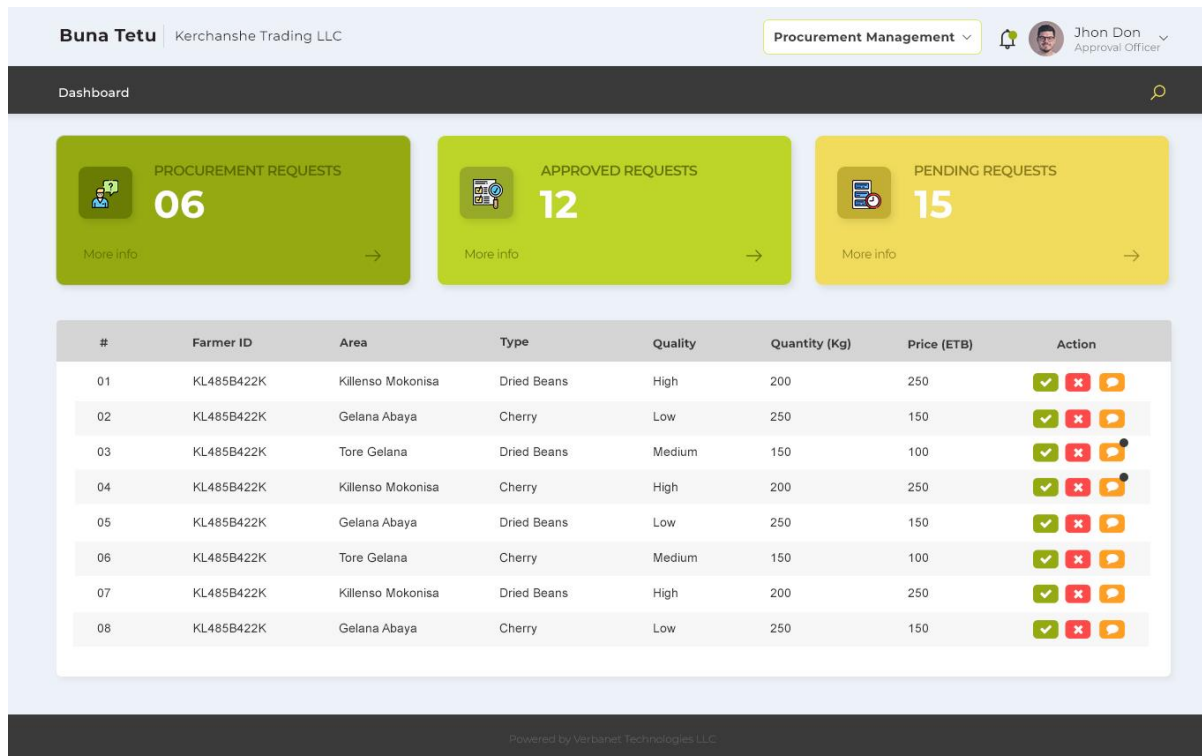
1. Total number of Farmers
2. Total number of procurement officers
3. Total number of Registered devices
4. HQ Approval Team
5. Procurement Officers
6. Branches
7. Farmers

The Super Admin Login shall also have the below features:

1. Edit/Activate/Deactivate/Remove Users, Branches, devices and Farmers
2. Create Branches, Farmers, Procurement Officers, HQ Approval team, device and cXo
3. Password management
4. Search
5. Add IMEI number and select officer to add new device

6. Generate/Edit License Key, PIN
7. Assign permission to users

2.1.4 HQ Approval Team Dashboard



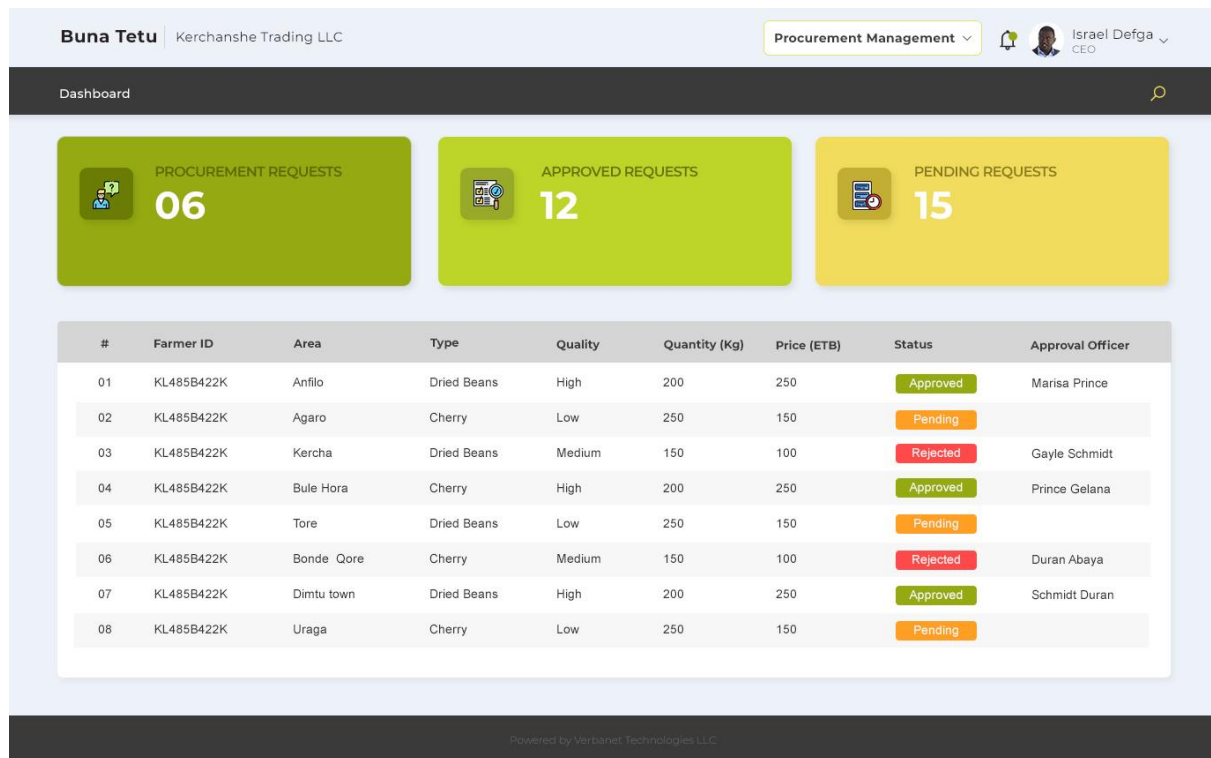
The Dashboard shall have the below elements:

1. Total number of procurement requests
2. Total number of approved requests
3. Total number of pending requests
4. Request list

The HQ Approval Officer Login shall also have the below features:

1. Approve/reject requests
2. Add, view notes
3. Password management
4. Search

2.1.5 CXO Dashboard



The Dashboard shall have the below elements:

5. Total number of procurement requests
6. Total number of approved requests
7. Total number of pending requests
8. Procurement list

The cXo shall view all the procurement details

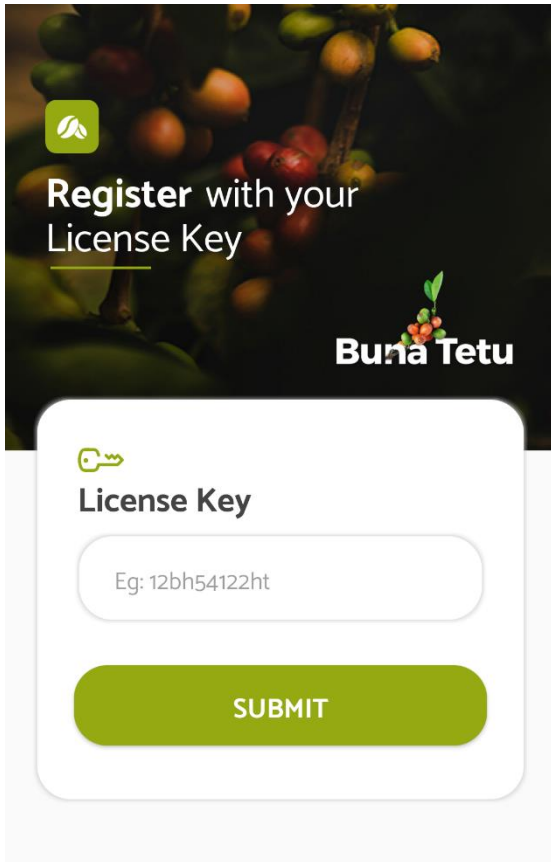
2.2 Mobile Application

2.2.1 Splash Screen



Splash screen appears for 3 seconds on opening the application.

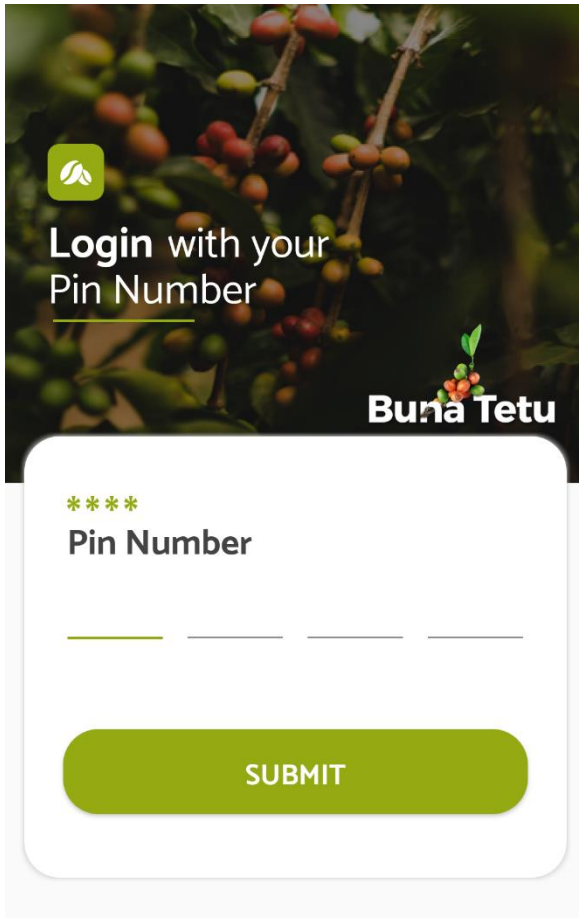
2.2.2 Registration Screen




The registration screen features a dark background with a close-up of coffee cherries. In the top left, there is a green square icon with a white leaf-like symbol. The text "Register with your License Key" is displayed in white, with "License Key" underlined. The "Buna Tetu" logo, consisting of a small green plant icon and the text "Buna Tetu", is in the top right. A white rounded rectangle in the center contains a green key icon, the text "License Key", a text input field with the placeholder "Eg: 12bh54122ht", and a green "SUBMIT" button.

Procurement Officer shall register using the license key, which shall be send by the Super Admin during the registration of the device.

2.2.3 Login Screen

The login screen features a background image of coffee cherries. In the top left, there is a green square icon with a white leaf. The text "Login with your Pin Number" is displayed in white, with "Pin Number" underlined. The "Buna Tetu" logo, consisting of the text and a small coffee branch icon, is in the top right. A white rounded rectangle contains the login form. At the top of this rectangle are four green asterisks. Below them is the label "Pin Number" in bold. A horizontal line with four segments is provided for input. At the bottom of the rectangle is a green rounded button with the word "SUBMIT" in white capital letters.

 Login with your
Pin Number

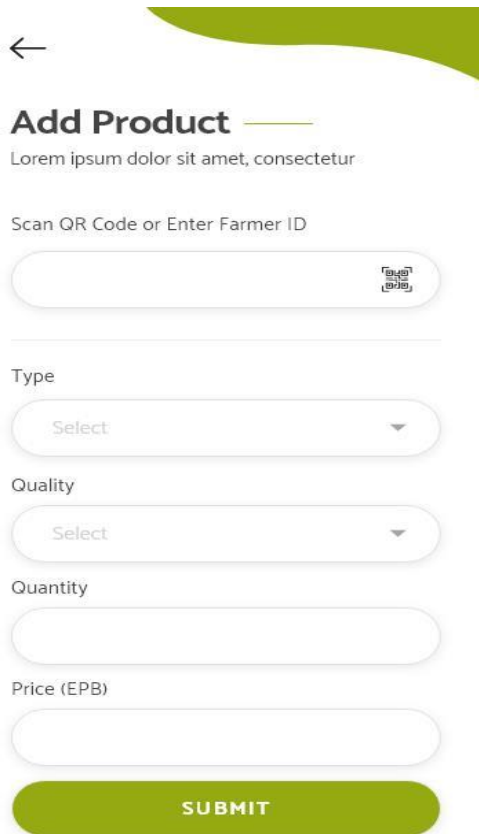
Buna Tetu

Pin Number

SUBMIT

After successful registration the Procurement Officer shall login using the PIN, which shall be send by the Super Admin during registration using License key. The Procurement Officer shall enter the PIN every time he/she login to the application.

2.2.4 Add Product




The screenshot shows a mobile application interface for adding a product. At the top, there is a back arrow and a title 'Add Product' with a subtitle 'Lorem ipsum dolor sit amet, consectetur'. Below this is a label 'Scan QR Code or Enter Farmer ID' followed by a text input field with a QR code icon. The form continues with three dropdown menus labeled 'Type', 'Quality', and 'Quantity', each with a 'Select' option. Below these is a text input field for 'Price (EPB)'. At the bottom is a green 'SUBMIT' button.


Procurement Officer Shall:

- 1) Scan QR code
- 2) Add type(cherry/dried), quality(high/medium/low), quantity, price(ETB)
- 3) Submit for approval

The procurement officer visits the farmer scans the QR code from the farmer's ID, add the details of purchase and submits for Approval by the HQ Approval team

2.2.5 Listing








Listing

Lorem ipsum dolor sit amet, consectetur


Killenso Mokonisa
Farmer ID : KL485B422K

Dried Beans I High
 Approved



200 Kg | 250 ETB

 Purchase
 Edit


Gelana Abaya
Farmer ID : KL485K422K


Cherry I Low
 Rejected

258 Kg | 150 ETB

 Note
 Edit

Tore Gelana
Farmer ID : KL485L252K

Dried Beans I Medium
 Pending

210 Kg | 100 ETB
 Edit

ADD PRODUCT

Procurement Officer shall

- 1) Purchase
- 2) Edit Purchase
- 3) Add/View Notes
- 4) Add product

Note: If the request is Approved Purchase button appears, Procurement Officer can purchase, if the Procurement Officer Purchase the product, SMS shall be send to the farmer with the payment details. Below shown is the format of the SMS.

DATE: 08 /11/2019 : 01:44 PM
 SENDER: KERCHANSHE TRADING
 REFERENCE NO: KT16345-901
 FARMER ID: SID0076
 TO BE PAID: 340 ETB

WITH OUR SINCERE THANKS.

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