# Comments

#### General

- Reference: Process map/steps in Powerpoint
- Stakeholders: Mtaji / Partner / Customer (1. Customer borrow money from partner. 2. Partner borrow money from Mtaji and lends money to Customer. 3. Mtaji lends money to Partner)
- Mtaji can have many Partners, and each Partner can have many Customers
- System handles only loan transactions between Customer and Partner, NOT between Mtaji and Partner
- All pages should be CRUD - No UI is provided for creating new Partners
- All input fields can contain placeholder text with more information/help text
- Use pagination on long pages, e.g. showing list of payments, invoices etc.
- All changes (updates) to any field should be logged with timestamp, userid, from value (old), to value (new)

#### **Roles and Access**

- All Access and Functionality is based on User Roles.
- One role only per user
- Five different roles: Customer, Partner, Mtaji Local Admin, Mtaji Local Credit, Mtaji Global Credit

### Users

- Role Mtaji Global Credit can Create, Read, Update users
- Users cannot be deleted, only enabled true/false (false means users does not have access to system)
- Role and Partner (partner\_id, for user with role Partner) cannot be updated, only set at user creation
- Role customer cannot be created (can only be created by Partner in flow below)
- Mtaji Dashboard, Actions menu show menu option "User Administration"
- New user will get autogenerated password send by email

#### **1. New Customer Application**

- New customer application has a total of 9 status steps. only 5 of those steps are handled by the system (1-3 and 8-9): 1) Account Creation, 2) Upload of Documents, 3) Sign off, 4) Prescreening, 5) Credit evaluation, 6) Credit Decision, 7) Partner Decision, 8) Document sign, 9) Activate Credit
- Steps, internal system names: 1\_CREATE\_CUSTOMER, 2\_SUBMIT\_APPLICATION, 3\_PARTNER\_APPROVE\_APPLICATION, 8\_SIGN\_LOAN\_DOCUMENTS, 9\_APPROVE\_CREDIT
- Different user roles update different things for each status

### **1A Partner Register New Customer**

- Access: Create: Partner, Read: Partner / Mtaji Local Admin / Mtaji Local Credit / Mtaji Global Credit, Update: None, Delete: None
- Email is sent to customer with login info incl autogenerated password
- Popup to user confirming registration

### **1B Customer - First Time Registration**

- Access: Create: Customer, Read: Customer / Partner / Mtaji Local Admin / Mtaji Local Credit / Mtaji Global Credit, Update: None, Delete: None
- Save to db after each submit (Next/Previous) so user can exit and continue at later stage

#### 1B2 Customer - First Time Registration - Step 2 Financial Info

#### - Annual Result is calculated

- If No assets is checked, fields to enter assets are hidden
- Company Assets, plus icon (+) adds another row. Plus icon is shown only on last row. (Dropdown, examples: Cars, Properties, Bank accounts, Inventory)
- Company Loans, plus icon (+) adds another row. Plus icon is shown only on last row. (Dropdown, examples: Supplier Loan, Car Loan, Machinery Loan, Property Loan, Inventory Loan, Other)

### 1B3 Customer - First Time Registration - Step 3 Persons

- Ownership Share is hidden if Role Owner is unchecked
- New Person headline should be Persons name, if filled
- Plus icon (+) next to headline will create a new person form on top of page, already filled out will show under
- Each person can have unlimited number of phone numbers
- Assets, plus icon (+) adds another row. Plus icon is shown only on last row. (Dropdown: Cars, Properties, Bank accounts)

### **1B4 Customer - First Time Registration - Step 4 Documents**

- Preset (hardcoded) documents to be uploaded for Company and each person registered in Step 3

### 1B5 Customer - First Time Registration - Step 5 Submit

- Popup confirming application submitted
- Email to Partner with cc Mtaji that a new application has been submitted

### **1C New Customer Application - Sign Off**

- Access: Create: Partner, Read: Partner / Mtaji Local Admin / Mtaji Local Credit / Mtaji Global Credit, Update: None, Delete: None

### **1D New Customer Application - Document Sign**

- Access: Create: Partner, Read: Partner / Mtaji Local Admin / Mtaji Local Credit / Mtaji Global Credit, Update: None, Delete: None

### **1E New Customer Application - Activate Credit**

- Access: Create: Mtaji Global Credit, Read: Partner / Mtaji Local Admin / Mtaji Local Credit / Mtaji Global Credit, Update: None, Delete: None

### 2. Customer Dashboard

- Access: Customer

### 2A Customer - Dashboard

- Only approved Customer can see Customer Dashboard
- Click contact is a simple mailto-link that will create a blank email in users mailprogram with email address to partner prefilled
- Technical note: Conssider if same page as 3 Partner Dashboard / 4 Mtaji Dashboard

### 3. Partner Dashboard

- Access: Partner

### 3B Partner Future Payments / Payment History

- Future payments = installments aggregated (total amount) per day
- Future: future installment dates including today
- History: installment dates before today
- On installment, if there is a comment, show red flag icon. Clicking it will bring up comment in modal dialog.

(For role Mtaji Global Credit, show edit icon if no red flag, will bring up same modal but with empty comment field. This role can always edit comment. Remember to write to log)

### 3D Register Customer Sales Invoice (Sales - daily)

- Copy From Excel button will bring up a text field in modal, that will allow user to copy and paste infoblock from Excel. Text will be parsed to autotfill fields on form. Exact format TBD.
- Field validation: Installment total amount must be same as Inovice Amount

### 3E Register Customer Payment (Payments - Weekly)

- Account is hardcoded list (save as text to db)
- Installments should be sorted in date order first, invoice number second
- When Payment Amount is filled, prefill Installment Payments starting from top. Example Payment Amount is 500 TZS. Installments are 300 TZS each, prefill top installment with 300 TZS and second with 200 TZS. Input validation to check total amounts.

### 4. Mtaji Dashboard

- Mtaji (Mtaji Local Admin / Mtaji Local Credit / Mtaji Global Credit)
- Dashboard pages are the same as for Partner Dashboard, only difference is dropdown in header to select Partner and headline.

### **4D Mtaji - Temporary Close Credit (Soft Close)**

- Access: Mtaji Local Credit / Mtaji Global Credit
- Confirming will set db openCredit = 0, approvedCredit will remain unchanged
- Write action to log\_creditlimit

### **4E Mtaji - Change Credit** - Access: Mtaji Global Credit

- Show Credit Limit Log button will show credit log (log\_ceditlimit) in modal window
- Write action to log\_creditlimit

### **5. Customer Overview**

- Access: Customer, Partner and Mtaji (Mtaji Local Admin / Mtaji Local Credit / Mtaji Global Credit)
- Action/Navigation buttons show only for active customer (customer application process done) and depending on user role:

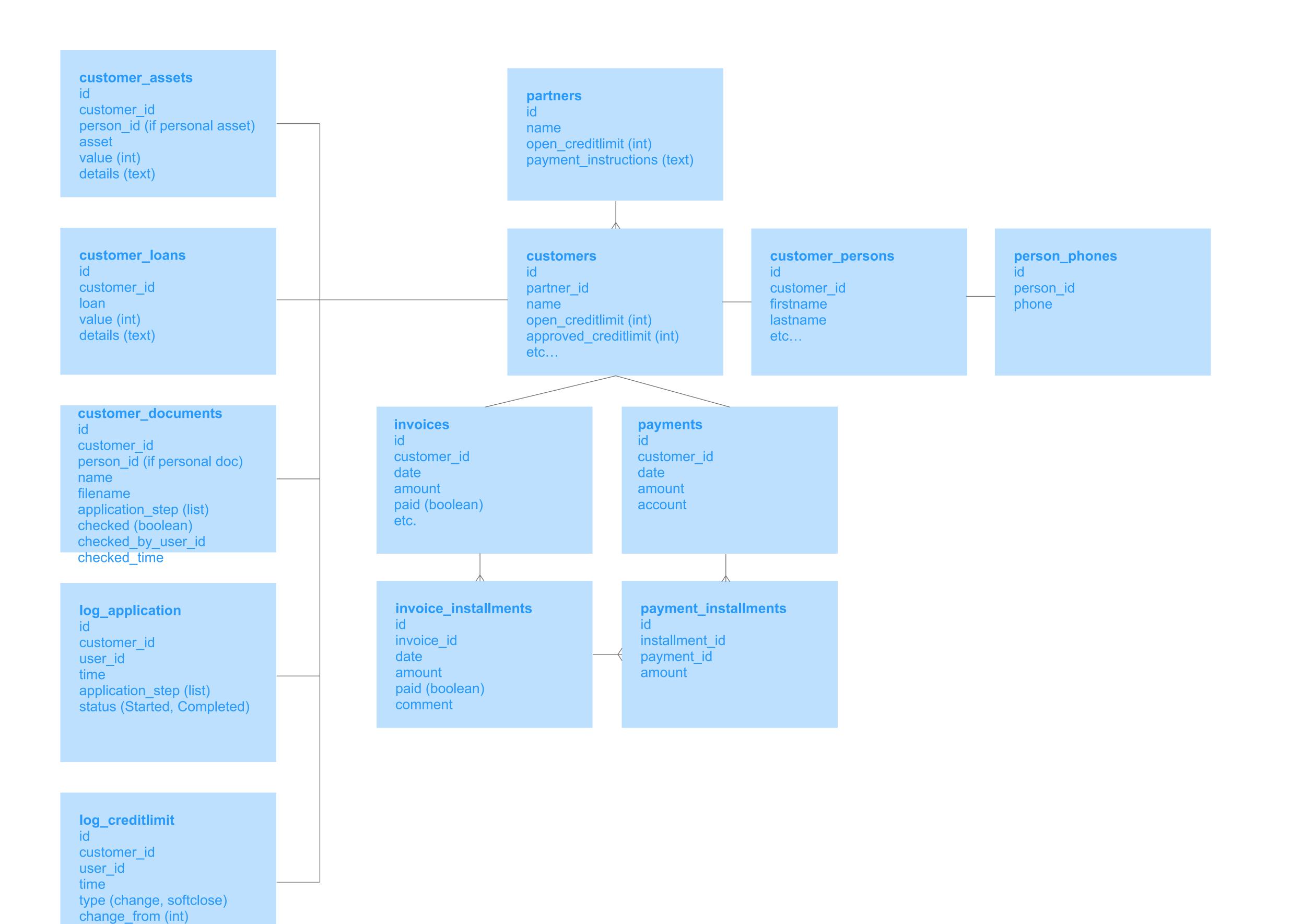
Customer: No buttons

Partner and Mtaji (Mtaji Local Admin / Mtaji Local Credit / Mtaji Global Credit): Show Change Log Partner: Register Customer Sales Invoice, Register Customer Payment

Mtaji Local Credit / Mtaji Global Credit: Temporary Close of Credit (Soft Close)

- Mtaji Global Credit: Change Credit
- User access to different tabs: See 1. New user, for who has access + which screens to show - Customer will only see tabs with access. Other roles will se all tabs but tabs without access is disabled (cannot view).
- Edit button is only shown to users who can update. Note that Mtaji roles (Mtaji Local Admin / Mtaji Local Credit / Mtaji Global Credit) should always be able to edit
- Show Change Log button will open up modal showing change log for customer, with latest entry on top

# DB Structure



change\_to (int)

comment (text)

# id email (username) password name (varchar) role partner\_id (if partner-user) customer\_id (if customer-user) enabled (boolean)

# id user\_id ref\_table ref\_column ref\_id time change\_from (text) change\_to (text)

# lists id list (varchar) value (varchar) name (varchar) sort\_id (int)

# Login

Logo

anna.johansson@abc.com

Password

Forgot password?

LOGIN

Keep me logged in

# Customer

### Welcome ABC Reseller Inc

CONTACT

### **Next Payment**

**Due Date** 15 April 2020

**Amount** 930 TZS

### **Credit Limit**

Total 10.000 TZS

**Used** 5.300 TZS

**Remaining** 4.700 TZS

Future Payments	Payment History	Invoices
Date	Amount	
02 Apr 2020	35 456	
09 Apr 2020	45 489	
16 Apr 2020	39 012	

# Partner

**Actions:** 

**Register New Customer** 

**Upload Bank Statement** 

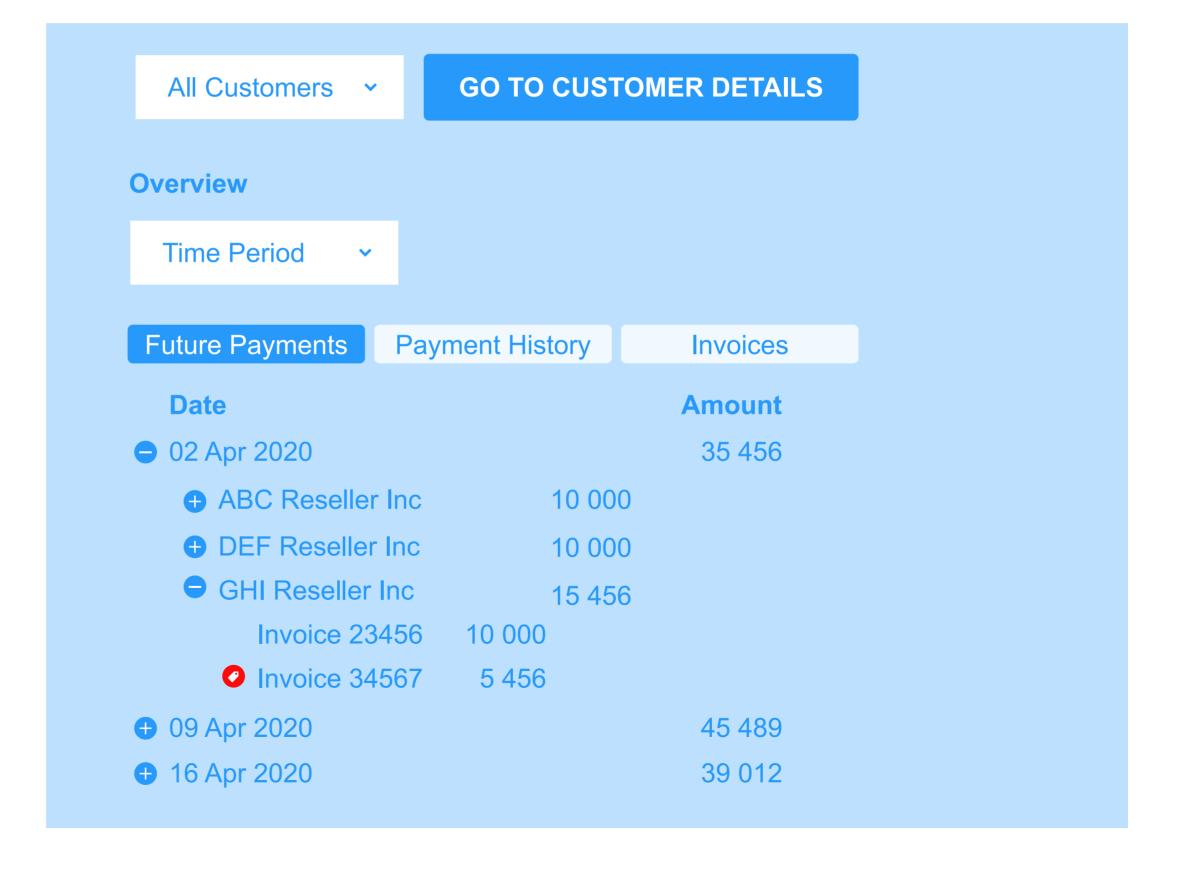
### Welcome Acme Partner Inc

### **Partner Credit Limit**

**Total** 500.000 TZS

**Used** 375.000 TZS

**Remaining** 125.000 TZS



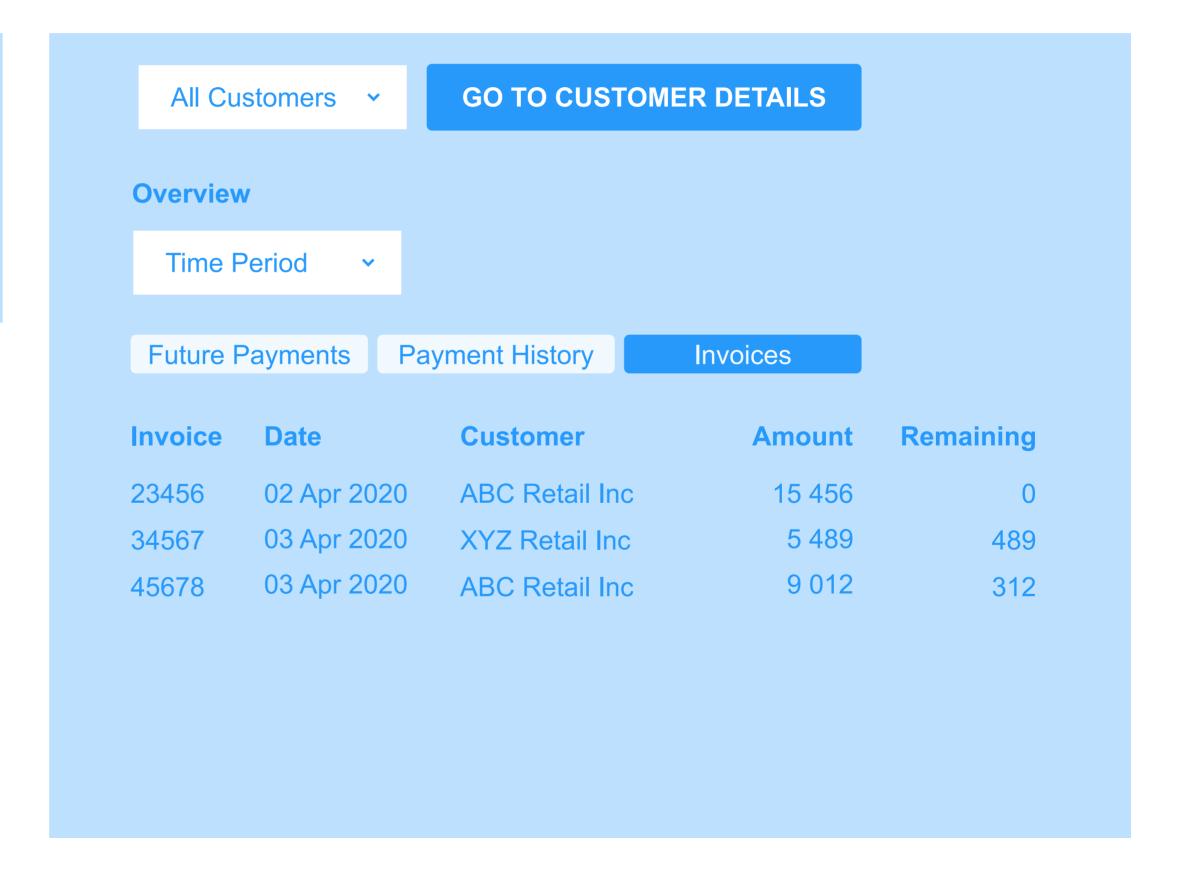
### **Welcome Acme Partner Inc**

### **Partner Credit Limit**

**Total** 500.000 TZS

**Used** 375.000 TZS

**Remaining** 125.000 TZS



# Register Customer Sales Inovice (Sales - Daily)

			COPY F	FROM EXCEL		
Customer *	ABC Reseller	Inc	~	Invoice Date *	20 Mar 2020	iii
Amount TZS *	2345.67			Invoice Number *	2345	
Installments *  Date		Amount				
Date of instalment	<b>~</b>	TZS		× +		
Documents						
Invoice *	Upload					
Excel form *	Upload					
				SAVE		

# Register Customer Payment (Payments - Weekly)

Customer *	ABC Reseller In	nc	~	Payment	Date *	20 Mar 2020	iii	
Amount TZS *	500.00			Account	*	Cash	<b>~</b>	
	Installments *							
	Date	Invoice		Remaining	Paid			
	30 Apr 2020	23456		300 TZS	300			
	30 May 2020	23456		300 TZS	200			
	30 Jun 2020	23456		300 TZS	TZS			
	30 Jul 2020	23456		300 TZS	TZS			
	30 Aug 2020	23456		234 TZS	TZS			

# **Upload Bank Statement (Weekly Clearance)**

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Bank Statement \* Upload...

SAVE

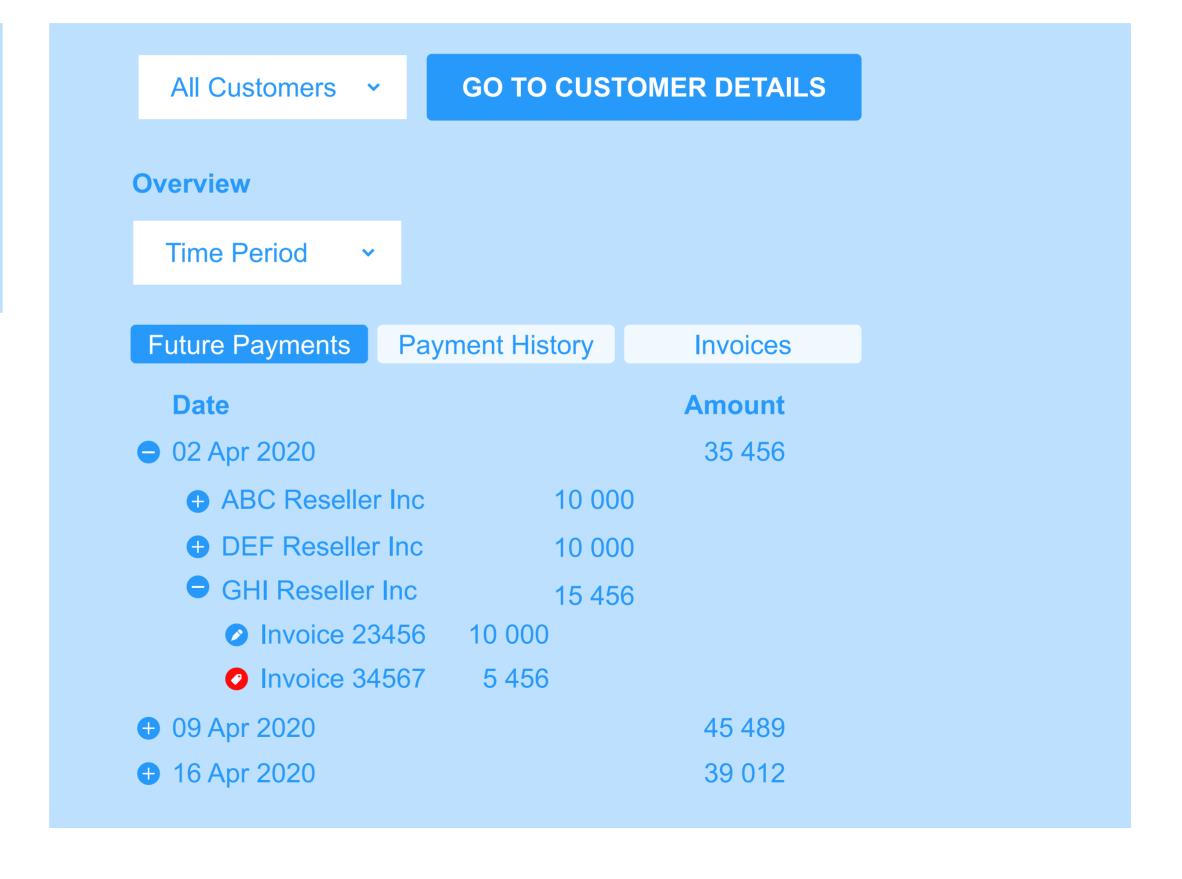
### **Selected Partner: Acme Partner Inc**

#### **Partner Credit Limit**

**Total** 500.000 TZS

**Used** 375.000 TZS

**Remaining** 125.000 TZS



## ABC Reseller Inc - Temporary Close Credit

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**CONFIRM CLOSE OF CREDIT** 

# Mtaji

**Actions:** 

**User Administration** 

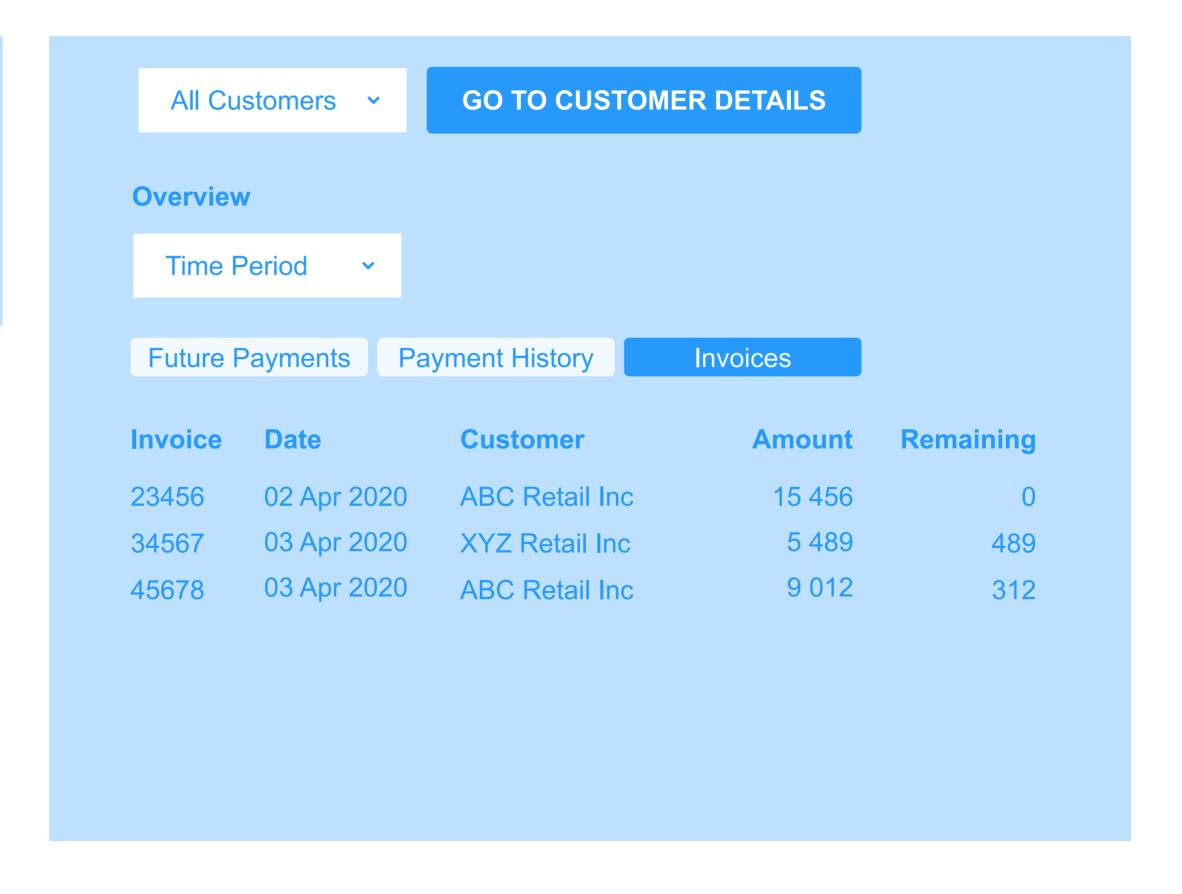
### Selected Partner: Acme Partner Inc

### **Partner Credit Limit**

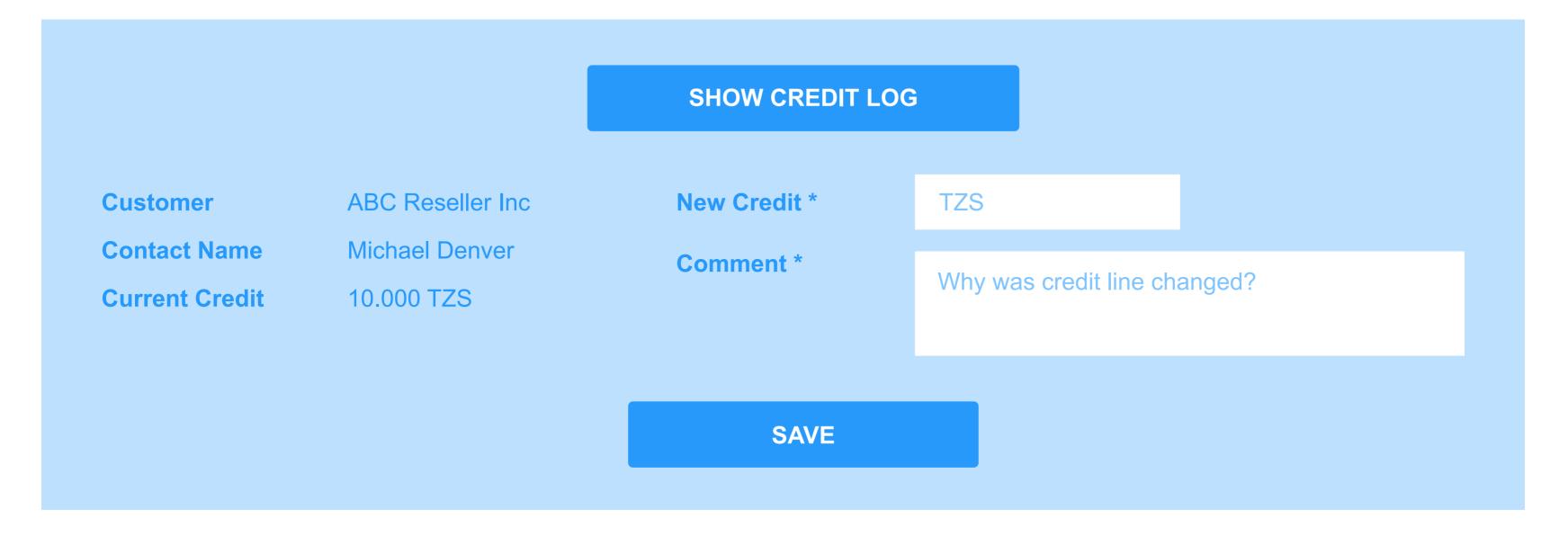
**Total** 500.000 TZS

**Used** 375.000 TZS

**Remaining** 125.000 TZS



# **ABC Reseller Inc – Change Credit**



# Customer Overview

### **Customer Overview: ABC Reseller Inc**

**SHOW CHANGE LOG** 

**REGISTER CUSTOMER SALES INVOICE** 

**REGISTER CUSTOMER PAYMENT** 

**TEMPORARY CLOSE OF CREDIT** 

**CHANGE CREDIT** 

Account Creation Partner Upload Documents
Customer

Sign Off Partner Pre Screening Mtaji Credit Evaluation Mtaji Credit Decision Mtaji Partner Decision Partner

Document Sign Partner Activate Credit Mtaji

Trading Name	ABC Reseller Inc	Client Since	March 2020
Customer Number	2345	Annual Sales	120.000 TZS
Contact Name	Michael Denver	Last 3 Months	34.000 TZS
Contact Email	michael.denver@email.com	Suggested Credit	20.000 TZS
	ED	IT	

# New Customer Application Process

Account Creation Partner

Upload Documents Customer

Sign Off Partner Pre Screening Mtaji Credit Evaluation Mtaji Credit Decision Mtaji Partner
Decision
Partner

Document Sign Partner

Activate Credit Mtaji

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**Trading Name ABC** Reseller Inc **Client Since** Month Year **Customer Number** 2345 **Annual Sales** Enter annual sales in TZS **Contact Name** Michael Denver **Last 3 Months** Enter last 3 month sales in TZS **Contact Email** michael.denver@email.com **Suggested Credit** Enter suggested credit line in TZS

**SAVE** 

### Welcome ABC Reseller Inc

Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est eopksio laborum. Sed ut perspiciatis unde omnis istpoe natus error sit voluptatem accusantium doloremque eopsloi laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunot explicabo. Nemo ernim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sedopk quia consequuntur magni dolores eos qui rationesopl voluptatem sequi nesciunt. Neque porro quisquameo est, qui dolorem ipsum quia dolor sit amet, eopsmiep consectetur, adipisci velit, seisud quia non numquam eius modi tempora incidunt ut labore et dolore wopeir magnam aliquam quaerat voluptatem eoplmuriquisqu

# Step 1 of 5 - Company Info

Registered Name *	Company Registered Name	City Area *	
Registration Number *	234567890	Street *	
TIN Number *	Tax Payers Identification Number	Block Number	
VAT Number	234567890	Plot Number	
		Company Phone	
		Company Email	
		Homepage	
	NEX	T STEP >	

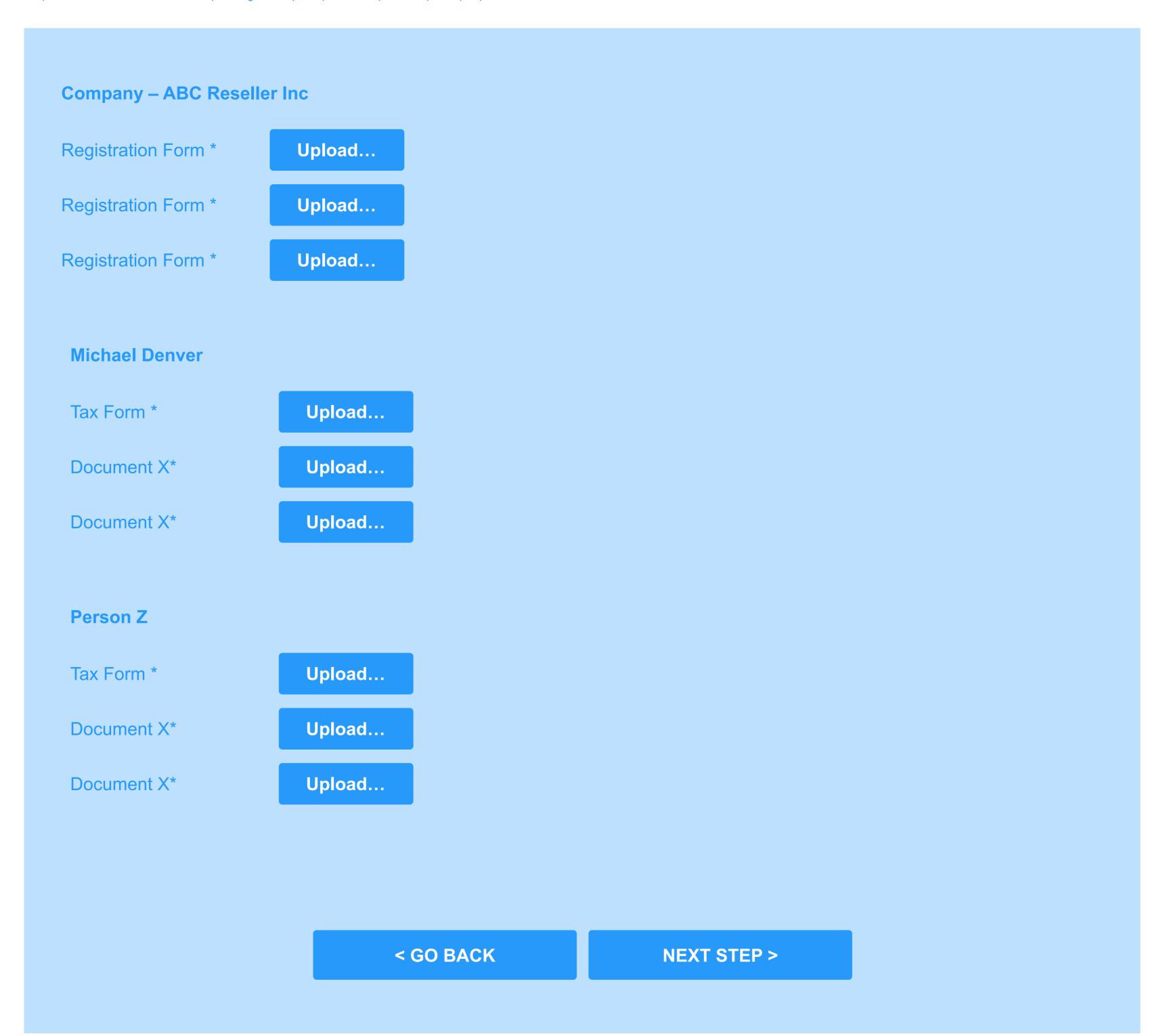
# Step 2 of 5 – Financial Info

Suggested Credit	10.000 TZS	S	Annual Purchases	54.300 TZS
Requested Credit *	Request	ed Credit in TZS	Last 3 Months	8.430 TZS
		Last Year	Current Year (Forecast)	
Annual Sales				
Annual Cost of Goods				
Annual Cost of Staff				
Annual Cost of Other				
		10.000 T70	40.000 T70	
Annual Result		10.000 TZS	10.000 TZS	
Company Assots				
Company Assets  No assets				
Company Assets  No assets  Asset		Value	Details	
No assets	•	Value TZS	Details  Enter Details About A	Asset
No assets Asset				Asset
No assets Asset Select Asset				Asset × +
No assets Asset Select Asset Company Loans				Asset
No assets  Asset  Select Asset  Company Loans  No loans		TZS	Enter Details About A	
No assets  Asset  Select Asset  Company Loans  No loans  Loan Type		TZS  Current Value	Enter Details About A  Lender and Details	

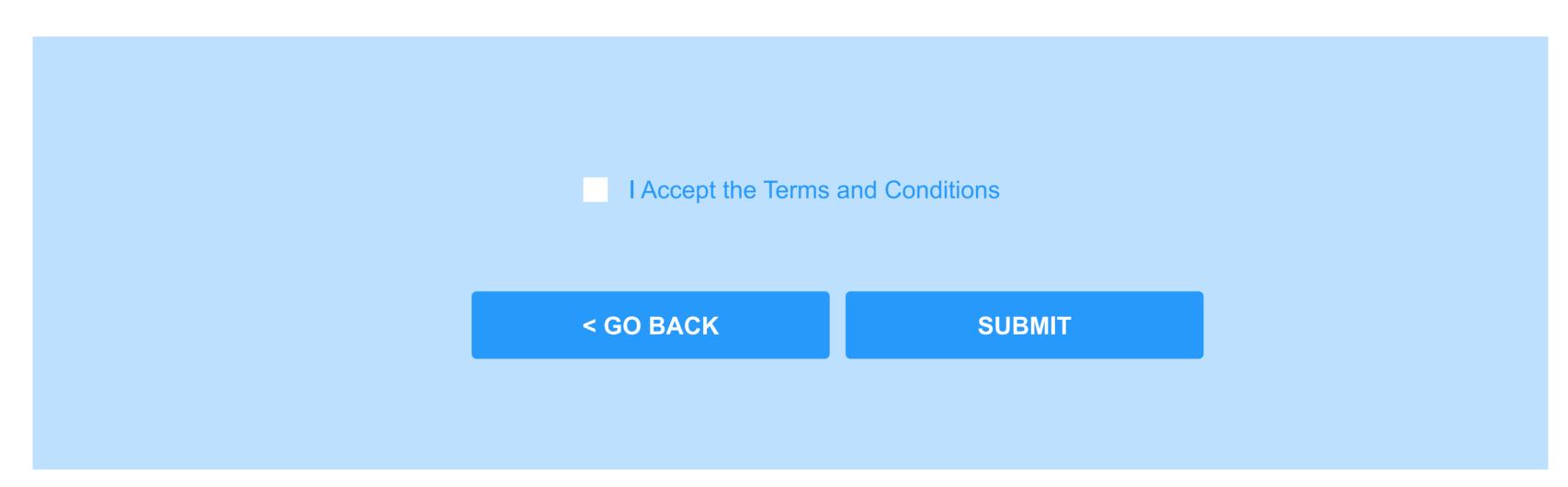
# Step 3 of 5 - Persons

Role *	Owner				
	Board M	lember			
	Manage	r			
Ownership Share *	Ownership	o in percent			
First Name *	Company	Registered Name	City Area *		
Last Name *	23456789	0	Street *		
National ID *	Tax Payer	s Identification Number	Block Number		
Email *	23456789	0	Plot Number		
Phone Number(s) *	23456789	0 × 4			
n Case of Emergency	Enter eme	rgency contact informati	ion		
Personal Assets (Cars,	Properties, E	Bank Accounts)			
No assets					
Asset		Value	Details		
Select Asset	~	TZS	Enter Details Ab	oout Asset	× +

# Step 4 of 5 – Documents



# Step 5 of 5 – Submit Application



Logo ABC Reseller Inc Cartions Dashboard Reports Actions

# New Customer – Approve Application (Sign Off)

Account Creation Partner Upload Documents Customer Sign Off Partner Pre Screening Mtaji Credit Evaluation Mtaji Credit Decision Mtaji Partner
Decision
Partner

Document Sign Partner Activate Credit Mtaji

stomer	ABC Reseller Inc	Conf	tact Name	Michael Denver
Document Check *				
Document X				
Upload Signed Doo	cuments			
Signed T&C *	Upload			
Document Y	Upload			
Document Y	Upload			
Comments				
Enter any comme	nts			
	I, the Par	tner, approve Mtaji Fees ad	ccording to Ter	ms & Conditions
		APPROVE APPL	LICATION	

Logo ABC Reseller Inc Y Dashboard Reports Actions

# New Customer – Final Document Signing (Document Sign)

Account Creation Partner Upload Documents
Customer

Sign Off Partner Pre Screening Mtaji Credit Evaluation Mtaji Credit Decision Mtaji Partner Decision Partner

Document Sign Partner

Activate Credit Mtaji

Customer	ABC Reseller Inc
Company – ABC I	Reseller Inc
Loan Agreement *	Upload
Registration Form	* Upload
Registration Form	* Upload
Michael Denver	
Michael Denver	too *
Personal Guarant  Document X*	Upload Upload
Document X*	Upload
Document X	Opioau
Person Z	
Personal Guarant	tee * Upload
Document X*	Upload
Document X*	Upload

#### \_--5

## New Customer – Final Credit Line Decision (Activate Credit)

Account Creation Partner

Upload Documents
Customer

Sign Off Partner Pre Screening Mtaji Credit Evaluation Mtaji Credit Decision Mtaji Partner Decision Partner

Document Sign Partner Activate Credit Mtaji

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Customer ABC Reseller Inc

**Contact Name** Michael Denver

Credit 10.000 TZS

**ACTIVATE CREDIT LINE**