

Last Updated: 04May2020

What is updated: API

AN Tracker Mobile UI Requirements

Preface:

This is the requirements document for AN Tracker Mobile UI. This document provide the guidance and suggestion for development of andriod mobile app. The mobile app will only store data locally (on phone memory) which is required for interaction with backend. The backend of this app is cloud based service which will be available through REST API.

Please make sure to go through the UI Design Principal to understand the overall requirements.

The priority of the work in terms of UI develoment currently is to develop – all “create” related screens. The “view or list” screens may change.

UI Design Principal

- UI will be kept simple by showing only required field for creating various objects, if user want to add more details he can click on “Advanced” or similar link/button on the form.
- Frequently used data (e.g logged-in employee-id) will be stored in the mobile cache. The details given in the next section.
- Wherever date is applicable show the calendar menu and also populate the current date for data entry ease.
- All the UI labels/messages prompts should be internationalized, i.e. the UI should support multiple languages and for that, instead of actual label/message, a key will be used as a placeholders on the forms. The placeholders will be replaced with the language specific transalation.
- The mandatory field on the screen will be marked with *. This is not shown in the wireframes (mock screens given the document) .
- The field validation related errors/warning message should be shown inline with the field itself.
- The successful creation/failure (e.g Employee created successfully) message can be shown on the top of the form.
- Please make sure to use spell check during UI development for all menu/error/messages
- All list (i.e list customer, list invoice..) related pages should support pagination (10 items per page)
- Show fields which are not empty (e.g. if CGST,SGST,IGST, NetAmount is empty or 0 then do not show)
- Almost all search pages, the default date range would be 5 days to display records
-

Following Items will be cached:

Important / Global Object	Description/Design
LoggedInEmployeeID	<ul style="list-style-type: none"> EmployeeID of the logged-in user
CreatedById	<ul style="list-style-type: none"> Same as LoggedinEmployeeID Store in the mobile app cache. Hidden on Mobile UI Need to pass to almost all API
OrgID	<ul style="list-style-type: none"> Logged in user's Organization Id Store in the mobile app cache. Hidden on Mobile UI Need to pass to almost all API
City	<ul style="list-style-type: none"> List of Cities Store in the cache
Customer/Vendor	<ul style="list-style-type: none"> Customer/Vendor accounts which are needed on many screens are cached in the mobile app.
ExpenseCategory	<ul style="list-style-type: none"> List of Expense Category It will be cached.

UI Forms

Login

Requirements: User once entered the credentials, the app should not ask the information. It should be logged in already like Amazon, Paytm etc until it is logged out by the backend.

The wireframes illustrate the login process in five steps:

- #1 Login:** A screen with the title "Login" and a link "Not registered your business yet? click here". It contains a "Registered Mobile Number" input field and a "Login" button.
- #2 Login:** A screen with the title "Login" showing the "Registered Mobile Number" field filled with "9188000354". It has a "Login" button and an "OTP" input field. A message "Resend? after 60 sec" is visible next to the OTP field.
- #3 Login:** A screen with the title "Login" showing the "Registered Mobile Number" field filled with "9188000354". It has a "Login" button and an "OTP" input field filled with "620589". A "Verified" status is shown next to the OTP field.
- #4a Dashboard:** A simple screen with the title "Dashboard".
- #4b Select Business / Firm / Company For Login:** A screen with the title "Select Business / Firm / Company For Login" and a message "The entered mobile number is already registered". It lists two options: "ABC Business Ltd" and "XYZ Corporation".

Field	Validations	On Action
Registered Mobile Number	Not Empty and 10 digit mobile number	Login

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On Action	What to do	API to use
Login		

Login with Mobile Number Only with OTP (Please note that other fields are grayed-out)

Login

Registered Mobile Number
9158900354

Login with mobile only

OTP Sent ...
[Empty field]

OK

Password
[Grayed-out field]

Company ID
[Grayed-out field]

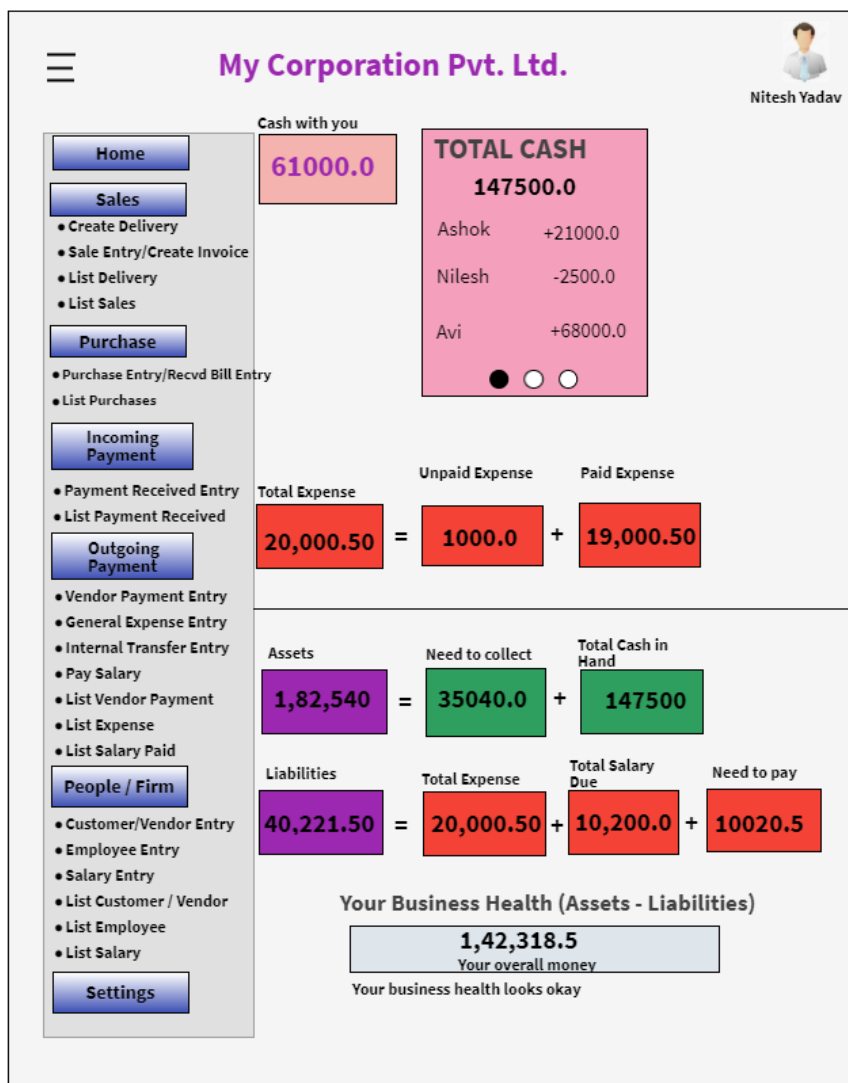
Full Login

On click

[Dashboard](#)

Special Instuction:

1. All the dashboard items should be developed independently. Meaning in future, we can set visibility for each boxes. The box should be visible to the logged-in user or not.



Create Customer

We will show basic form. If end-user wants to see more fields then he/she can click on “Advanced”. Its basically one screen only but we are not showing all the fields by-default to not to scare the end-user.

Create Customer / Vendor

Name

Firm

City/Village

Add City

Mobile

Save

Advanced

Create Customer / Vendor

Name

Firm

City/Village

Add City

Mobile

Mobile2

GST Number

Transporter

Billing Address

Initial Balance

State

Select

Save

Field	Validations	On Action
Name <u>or Firm</u> * (Any one of them is required)	Not Empty – atleast 2 characters	Save
City/Village *	Not Empty Auto Type Search – after two characters	
Mobile Number*	Not Empty – 10 digit number	
GST Number <u>(If entered)</u>	15 character	
Mobile2	10 digit number	

Deleted: *

On Action	What to do	API to use
City/Village Type 2 character – auto search	Search City/Village from the list	<u>/uolist/getCities</u>
Save	Create Customer	/customer/create
Add City	Open popup to add city	<u>/uolist/createCity</u>
State	Show UI level list of states	No need to call server for this

Deleted: /uolist/getCities

Deleted: /uolist/createCity

Add City

Add City/Village

Name

List Customer/Vendor

ABC Enterprises (9158900354)

Mhow Madhya Pradesh (23ASPXXXX)

Mr. Nitin Shewale

Balance with us: -11000.0

Send Payment Reminders ?

☒

Billing Address: 115 Lalbag Line INdore

Transport: Kesari Travels New Loha Mandi

Search Panel below:

Search Customer / Vendor

City

Firm

Name

Balance

Select

Payment Reminders ?

☐

Search

Balance: Positive / Negative

City/Firm/Name: Auto type search

List Panel Explanation below:

ABC Entrprise (9158900354)	"Firm Name" ("Mobile Number")
Mhow Madhya Pradesh	"City Name" "State"
Mr Nitin Shewale	"Name" only display when "firmname" and "name" different

On Action	What to do	API to use
Auto Search (FirmName, Name, City)	Auto type the available things	
Search	Do a customer/vendor search	/customer/listCustomerANDVendorWithBalancePaged
Mobile Number Update	Do mobile number update	

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Send Payment Reminder?	On/Off	
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Delivery Create

Delivery Create

Date12 May 2016

Customer

Details

Save

Default set to 'today'

Customer auto search form, customer information will be visible on the UI but in background, need to store/pass customerID

Field	Validations	On Action
Date*	Not Empty default "today"	Save
Customer *	Not Empty	

On Action	What to do	API to use
Customer	Search Customer Account s using text entered	accounting/getAccountsByNickName Display Logic: This API will give you List<AccountBean> You need to display "accountnickname" in the "Customer" SearchBox while you need to pass "OwnerID" for the selected field in the backend.
Save	Create Delivery	delivery/createDelivery

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Deleted: accounting/getAccountsByNickName

Deleted: delivery/createDelivery

List Delivery

ABC Enterprises Mhow (23ASPRXXXXXX12) Tue Mar 31, 2020 Details: 4 Computer, 2 mouse, 1 CPU	Customer Details Delivery date Details of the delivery
XYZ Corporation Pune (26ASPRXXXXXX12) Wed Apr 01, 2020 Details: 4kg Hypochloride , 2ltr Clorine	

Search Panel

City	<input type="text"/>	Firm Name	<input type="text"/>
Name	<input type="text"/>		
From	<input type="text" value="12 May 2016"/> <input type="button" value="Calendar"/>	TO	<input type="text" value="12 May 2016"/> <input type="button" value="Calendar"/>
<input type="button" value="Search"/>			

On Action	What to do	API to use
City, Firm Name, Name Type 2 character – auto search		
Default Search	Last 5 days (Set from and to Date accordingly)	/Delivery/listDeliveriesPaged

Deleted: </Delivery/listDeliveriesPaged>

Purchase Entry/Received-Bill Entry

The form will show basic form fields to create a bill, if a user wants to enter more details:- he can click on "Advanced"

Field	Validations	On Action
Date*	1. Not Empty 2. default "today"	Save
Customer *	Not Empty	
Total Amount (Gross)	1.Not Empty 2.Numbers only	
CGST,SGST,IGST, Extra Amount, Order Amount(Net)	If value is present, it is number.	

On Action	What to do	API to use
Customer Search Type 3 character – auto search	Search Customer's account (not customer actually)	accounting/getAccountsByNickName Display Logic: This API will give you List<AccountBean> You need to display "accountnickname" in the "Customer" List while you need to pass "OwnerId" for the select field.
Save	Create Purchase Entry	/accounting/createPurchaseEntry

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List Purchases

National Chemical Ltd. Ahmadabad	
Tue Mar 31, 2020	₹ 3300.0
Net: 3300.0, CGST: 0.0 , SGST: 0.0, IGST: 0.0, Extra:0.0	
Notes: 4kg Hypochloride , 2ltr Clorine	
Include in Calculation:	<input checked="" type="checkbox"/>
Include in CA Report:	<input checked="" type="checkbox"/>
Bill No: C103	
Aardhya Agro Ltd Pune	
Wed Apr 01, 2020	₹ 5810.5
Net: 5000.0 , CGST: 900.0 , SGST: 900.0, IGST: 0.0, Extra:10.5	
Notes : 4 Computer, 2 mouse, 1 CPU	
Include in Calculation:	<input checked="" type="checkbox"/>
Include in CA Report:	<input checked="" type="checkbox"/>
Bill No:	

Search Panel

Same as Delivery

Search Panel explanation below:

City	<input type="text"/>	Firm Name	<input type="text"/>
Name	<input type="text"/>		
From	<input type="text" value="12 May 2016"/> 	TO	<input type="text" value="12 May 2016"/> 
<input type="button" value="Search"/>			

On Action	What to do	API to use
Search	List Purchases	<u>/accounting/listPurchasesPaged</u>

Deleted: </accounting/listPurchasesPaged>

Create Expense

Create Expense

Date

12 May 2018

Total Amount (Gross)

To Party (Name)

Category

Select

Paid ?

Save

Create Expense

Date

12 May 2018

Total Amount (Gross)

To Party (Name)

Description

Paid ?

Category

Select

To Party (GST No)

To Party (Mobile No)

CGST

SGST

IGST

Extra Amount

Order Amount (Net)

Include in Calculation

Include in CA Report

Save

Field	Validations	On Action
Date	1. Not Empty 2. default "today"	Save
Total Amount (Gross)	1.Not Empty 2.Numbers only	
To Party (Name)	Not Empty Atleast 3 characters Auto Fill Type	
Category	Not Empty	
Include in calculation, Paid	Default "Yes/On"	
Include in CA Report	Default "False"	
ToParty GST No	<u>15 Digit Alphanumeric (If entered)</u> Auto Fill based on the result of ToPartyName Search	
ToParty Mobile No	<u>10 Digit Number (Entered)</u> Auto Fill based on the result of ToPartyName Search	

On Action	What to do	API to use
Category – List	Show Category list	/uiList/getExpenseCategories
Save	Create Sales Entry /Create Invoice	/accounting/createGeneralExpense
To Party : Auto Search 3 Characters	Search for already created expenses for the same OrgID	accounting /searchExpenseByToPartyName

Deleted: [/uiList/getExpenseCategories](#)

Deleted: [accounting /searchExpenseByToPartyName](#)

List Expense

Foo Enterprise Pune

Machine maintenace

Tue Mar 31, 2020 ₹ **1200.0**

Description: Machinery maintenance parts purchased

Include in Calculation: <On/off Switch>

Include in CA Report: <On/off Switch>

Net: 3300.0, CGST: 0.0 , SGST: 0.0, IGST: 0.0, Extra:0.0

To Party Mobile:**9158900354**

Bar Corporation Indore

Transportation

Wed Apr 01, 2020 ₹ **4200.5**

Description : Transporting of the material

Include in Calculation: <On/off Switch>

Include in CA Report: <On/off Switch>

Field explanation

Foo Enterprise Pune	To party Name
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Machine Maintenance	Category
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On Action	What to do	API to use
Include in CA Report?	Change	
Include in Calculation?	Change	
Search	List Expenses paged	/accounting/listExpensesPaged

Deleted: </accounting/listExpensesPaged>

Create Payment Received

Payment Received Entry

Received Date

12 May 2016

Customer / Vendor

Amount

Details

Include in Calculation

Save

Mandatory Fields: Received Date, Customer/Vendor, Amount,

Hidden Field:

CreatedById = Logged in User ID

Received By: Account ID

Populate UI fields:

Customer/Vendor :

Field	Validations	On Action
Received Date*	1. Not Empty 2. default "today"	Save
Customer/Vendor	Not Empty	
Amount	1.Not Empty 2.Numbers only	
Include in calculation	Default "Yes/On"	

On Action	What to do	API to use
Customer/Vendor – Search	User Type 3 characters and auto-search starts and shows the list of customer's accounts Search on Account instead of Customer/Vendor	<u>accounting/getAccountsByNickName</u> Display Logic: This API will give you List<AccountBean> You need to display "accountnickname" in the "Customer/Vendor" searchbox while you need to pass "OwnerID" and "AccountID" for the selected value to the backend.
Save	Create a Payment Received	/accounting/createPaymentReceived

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List Payment Received

Foo Enterprise Pune Tue Mar 31, 2020 ₹ 4200.0 Received By: Nilesh Yadav Details: Raw material
Bar Corporation Indore Wed Apr 01, 2020 ₹ 8200.5 Received By: Ashok Suradakar Details: Raw material

Sales Entry / Create Invoice

Sales Entry / Create Invoice

Invoice Date12 May 2016

Supplier / Vendor

Total Amount (Gross)

Save

Advanced

Sales Entry / Create Invoice

Invoice Date12 May 2016

Supplier / Vendor

Total Amount (Gross)

Actual Invoice Number

CGST

SGST

IGST

Extra Amount

Order Amount (Net)

Include in Calculation

Include in CA Report

Notes

Save

Field	Validations	On Action
Invoice Date*	3. Not Empty 4. default "today"	Save
Supplier/Vendor *	Not Empty	
Total Amount (Gross)	1.Not Empty 2.Numbers only	
CGST,SGST,IGST, Extra Amount, Order Amount(Net)	If value is present, it is number.	

On Action	What to do	API to use
Supplier/Vendor Search Type 3 character – auto search	Search Customer's account (not customer actually)	accounting/getAccountsByNickName Display Logic: This API will give you List<AccountBean> You need to display "accountnickname" in the "Supplier/Vendor" searchbox while you need to pass "OwnerID" and "AccountID" for the selected value to the backend.
Save	Create Sales Entry /Create Invoice	/accounting/createSalesEntry

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Deleted: [accounting/getAccountsByNickName](#)

Deleted: [/accounting/createSalesEntry](#)

List Sales

ABC Enterprises Mhow (23ASPRXXXXXX12)

Tue Mar 31, 2020 ₹ **3300.0**

CGST: 0.0 , SGST: 0.0, IGST: 0.0, Net: 3300.0 Extra:0.0

Notes: 4 Computer, 2 mouse, 1 CPU

Include in CA Report: ☒

Include in Calculation: ☒

Invoice No: **C102**

XYZ Corporation Pune (26ASPRXXXXXX12)

Wed Apr 01, 2020 ₹ **5810.5**

CGST: 900.0 , SGST: 900.0, IGST: 0.0, Net: 5000.0

Extra:10.5

Notes : 4kg Hypochloride , 2ltr Clorine

Include in CA Report: ☒

Include in Calculation: ☒

Invoice No:

[Pay To Vendor](#)

Payment to Vendor / Supplier

Payment Date

12 May 2016

Customer / Vendor

Amount

Details

Include in Calculation

Save

Field	Validations	On Action
Payment Date*	1. Not Empty 2. default "today"	Save
Customer/Vendor	Not Empty	
Amount	1.Not Empty 2.Numbers only	
Include in calculation	Default "Yes/On"	

On Action	What to do	API to use
Customer/Vendor – Search	User Type 3 characters and auto-	<u>accounting/getAccountsByNickName</u> Display Logic: This API will give you List<AccountBean>

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Deleted: accounting/getAccountsByNickName

	search starts and shows the list of customer's accounts Search on Account instead of Customer/Vendor	You need to display "accountnickname" in the "Customer/Vendor" searchbox while you need to pass "OwnerID" and "AccountID" for the selected value to the backend.
Save	Create PayToVendor	/accounting/createPayToVendor

List Pay To Vendor

National Chemical Ltd. Ahmadabad Tue Mar 31, 2020 ₹ 3300.0 Done By: Nilesh Yadav Details: Raw material
Aardhya Agro Ltd Pune Wed Apr 01, 2020 ₹ 5810.5 Done By: Ashok Suradakar Details: Raw material

Internal Transfer

Internal Transfer

Transfer Date

12 May 2016

Default "today"

To Person / Account

List of employee

Amount

Details

Include in Calculation

Default "Yes/On"

Save

Field	Validations	On Action
Transfer Date*	1. Not Empty 2. default "today"	Save
To Person/Account	Not Empty	
Amount	1.Not Empty 2.Numbers only	
Include in calculation	Default "Yes/On"	

On Action	What to do	API to use
To Person/Account – Search	User Type 3 characters and auto-search starts and shows the list of employee's accounts	employee/getEmployeeListByName

Deleted: [employee/getEmployeeListByName](#)

	Search on Account	
Save	Create Internal Transfer	/accounting/createInternalTransfer

List Internal Transfer


Tue Mar 31, 2020	₹ 4200.0
From: Nilesh Yadav To: Nilesh Yadav Details: Galla	
Wed Apr 01, 2020	₹ 8200.5
From: Ashok Suradakar To: Avinash Yadav Details: Galla	

Create Employee

Create Employee

First Name

Last Name


Mobile Number


Login Required ?
☒

Initial Balance

Field	Validations	On Action
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First Name*	Not Empty – atleast 2 characters	Save
Mobile Number*	Not Empty – 10 digit number	
Initial Balance	Number	

On Action	What to do	API to use
Save	Create Employee	/employee/createEmployee
 Address Book	Open the contacts of the user to select the mobile number	-

List Employee

Please note : The Company Balance field, Login Enabled Button, Attendance:Entry, Attendance:Exit are rendered based on the some condition. These are not visible to all user by default.

Prasad Uplenchar (9158900354)
Company balance: **-11000.0**
Salary to be Paid **90000.5**
Login Enabled? ☒

Attendance

Entry:Attendance
Exit:Attendnace
View:Attendance

Change Permission

Username: 9158900354

Editable Fields: Mobile Number, Login Enabled?

Name cannot be changed.

Search Employee Screen

Search Employee

First Name

Last Name

Balance

Select

LoginEnabled?

Search

On Action	What to do	API to use
Search	List Employees	/employee/listEmployeesWithBalancePaged
		-

Deleted: /employee/listEmployeesWithBalancePaged

Create Salary

Create Employee Salary

Note: This is not a salary payment, just an entry of monthly/weekly salary. To pay salary go to "Pay Salary" link "outgoing payments"

Employee Name

Amount

Description

Include in Calculation

☒

Save

Field	Validations	On Action
Employee Name*	1. Not Empty	Save
Amount	1.Not Empty 2.Numbers only	
Description	1.Not Empty	
Include in calculation	Default "Yes/On"	

On Action	What to do	API to use
Employee Name – Search	User Type 2 characters and auto-search	employee/getEmployeeListByName

Deleted: [employee/getEmployeeListByName](#)

	starts and shows the list of employee	
Save	Create an Employee Salary	/employee/createEmpSalary

Salary Transfer

Salary Transfer

Transfer Date

12 May 2016

To Person / Account

Amount

Details

Include in Calculation

Save

Field	Validations	On Action
Transfer Date*	1. Not Empty 2. default "today"	Save
To Person / Account*	Not Empty	
Amount*	1.Not Empty 2.Numbers only	
Include in calculation*	Default "Yes/On"	

On Action	What to do	API to use
To Person / Account – Search	User Type 2 characters and auto-search starts and shows the list of employee	employee/getEmployeeListByName
Save	Create a Salary Transfer	/employee/createEmpSalaryPayment

Deleted: ~~employee/getEmployeeListByName~~

List Salary

Prasad Uplenchar (9893012547)	
Date:	Tue April 3, 2020
Salary:	₹ 15000.0
Description: For Month of March 2020 IncludeInCalculation: Yes	
Nitesh Yadav (9158900658)	
Date:	Tue April 2, 2020
Salary:	₹ 15000.0
Description: For Month of March 2020 IncludeInCalculation: Yes	

On Action	What to do	API to use
Search	List Employee Salaries	/employee/listEmpSalariesPaged

Deleted: ~~/employee/listEmpSalariesPaged~~

List Salary Paid

Prasad Uplenchar (9893012547)	
Paid Date:	Tue April 3, 2020
Amount:	₹ 15000.0
Paid By: Nilesh Yadav	
Description: For Month of March 2020	
IncludeInCalculation: Yes	
Nitesh Yadav (9158900658)	
Paid Date:	Tue April 2, 2020
Paid Amount:	₹ 15000.0
Paid By: Nilesh Yadav	
Description: For Month of March 2020	
IncludeInCalculation: Yes	

Business Registration

Note: Gray-out (make it non-editable/view-only) when on the next screen.

#1

Register Your Business / Firm / Company
10 Digit Mobile Number (Without Country Code)

OTP will be sent to this number
You cannot change this later

#2

Register Your Business / Firm / Company
10 Digit Mobile Number (Without Country Code)

OTP
 [Resend! after 60 sec](#)
Enter 6 digit OTP received on the given mobile number

#3

Register Your Business / Firm / Company
10 Digit Mobile Number (Without Country Code)

OTP
 [Verified](#)

#4a

Register Your Business / Firm / Company
Please Enter Full Business/Firm/Company

Your Full Name

State

City/Village

Note: By registering here, you agree to the [Terms and Conditions](#)

#4b (Alternate Screen)

Multiple Business/Firm/Company Alert!
The entered mobile number is already registered with following business:

ABC Business Ltd

XYZ Corporation

Note: By registering here, you agree to the [Terms and Conditions](#)

Note: Please collect First Name and Last Name instead of "Your Full Name" on screen #4a.

Field	Validations	On Action
Business Name	<ol style="list-style-type: none"> Not Empty Three characters 	Save
Mobile Number	<ul style="list-style-type: none"> Not Empty 10 digit number 	
Your First Name	1. Not Empty	
	Default "Yes/On"	

On Action	What to do	API to use
State	Present a list of state	No remote search, simply show from UI.
Get OTP		
Verify OTP		
Register		

Attendance: Entry/Exit and Fingerprint Add

Please note that in two ways attendance can be recorded 1. Biometric 2. Manual

Both option will send the location as part that.

ENTRY

Attendance: Entry

Place finger of: Prasad Upenchar

[Add/Change Fingerprint](#)



Attendance: Entry

Place finger of: Prasad Upenchar

[Add/Change Fingerprint](#)



The attendance successful :Entry

Date & Time: 25 April 2020 : 07:20:00 PM

EXIT

Attendance: Exit

Place finger of: Prasad Upenchar

[Add/Change Fingerprint](#)



Attendance: Exit

Place finger of: Prasad Upenchar

[Add/Change Fingerprint](#)

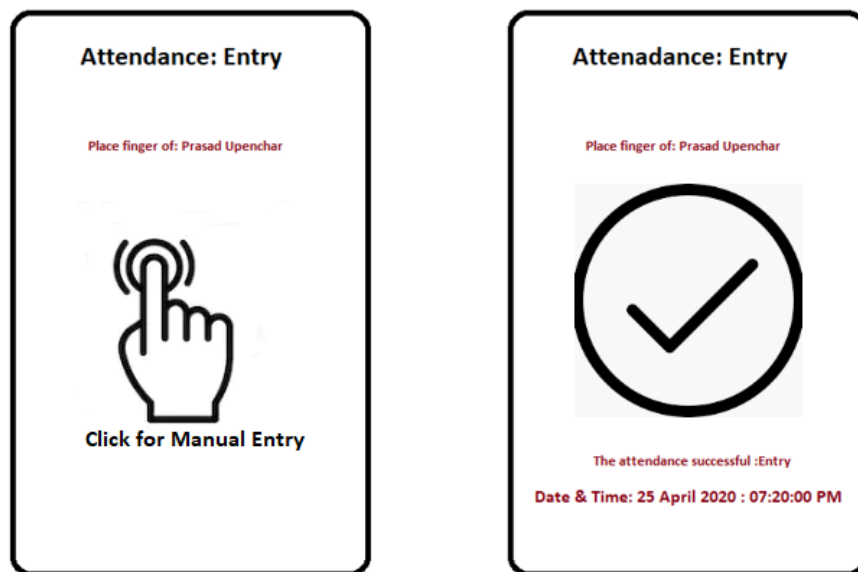


The attendance successful : Exit

Date & Time: 25 April 2020 : 07:20:00 PM

Fallback Attendance

In case FingerPrint Authentication Failure multiple times (configurable limit e.g 3), show alternate option of location based only attendance. In case of no-scanner device mobile, this settings can be organization wide.



Add Fingerprint



[View Attendance](#)

View Attendance

From Date

To Date

Search

Employee: Prasad Upenchar

Total Hours Worked: **11 Hours**

Entry Time	Exit Time	Hours Worked	Other Details
25/04/2020 1:32PM (Auto)	25/04/2020 3:32PM (Auto)	2	Scanned By : Navin Yadav Location: Rajendra Nagar Indore
26/04/2020 12:32PM (Auto)	26/04/2020 4:32PM (Auto)	4	Scanned By : Navin Yadav Location: Rajendra Nagar Indore
27/04/2020 12:01AM	27/04/2020 5:02AM	5	Scanned By : Navin Yadav

(Auto)	(Manual)		Location: Rajendra Nagar Indore

Retail Entry

Retail Entry

Date

12 May 2016

Amount

Notes

Save

Date and Amount mandatory

API to Use: </accounting/createRetailSale>

Retail List

Date: Tue April 3, 2020
Amount: ₹ 15000.0

Recived By: Nilesh Yadav

Notes: For Month of March 2020
IncludeInCalculation: Yes

Date: Tue April 2, 2020
Paid Amount: ₹ 15000.0

Recived By: Nilesh Yadav
IncludeInCalculation: Yes

Notes: For today's date

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Account View : Employee Company Balance Calculations

Employee Name: Ashok Shirodkar (Balance: 25,500.0 Rs)

<u>Type : Payment</u>	<u>Amount: 500.0</u>
<u>For What</u>	<u>: Vendor Payment</u>
<u>Other Party</u>	<u>: Nitesh Enterprises</u>
<u>Date</u>	<u>: Tue April 3, 2020</u>
<u>Current Balance</u>	<u>: 2500</u>
<u>Previous Balance</u>	<u>: 2000</u>
<u>Operation</u>	<u>: ADD</u>
<u>Type : Received</u>	<u>Amount: 200.0</u>
<u>For What</u>	<u>: Internal Transfer</u>
<u>Other Party</u>	<u>: Nitesh Enterprises</u>
<u>Date</u>	<u>: Tue April 3, 2020</u>
<u>Current Balance</u>	<u>: 2500</u>
<u>Previous Balance</u>	<u>: 2000</u>
<u>Operation</u>	<u>: SUBTRACT</u>

API TO USE

/accounting/listEmployeeAuditPaged

Employee Audit with org and EmployeeID (replace value E61 with actual passed from selected employee on the screen)

```
{
  "noOfRecordsToShow": 10,
  "orderBy": "desc",
  "orgID": 24,
  "searchParam": [
    {
      "condition": "AND",
      "fieldName": "e.id",
      "fieldType": "string",
      "operator": "=",
      "value": "E61"
    }
  ],
  "startIndex": 0
}
```

Account View : Customer Balance Calculations

Customer Name: ABC Enterprise Pune

Balance: -40000

Type : Sale	Amount: 500.0
Other Party	: Nitesh Enterprises
Date	: Tue April 3, 2020
Current Balance	: 2500
Previous Balance	: 2000
Operation	: ADD
Type : PayToVendor	Amount: 200.0
Other Party	: Nitesh Enterprises
Date	: Tue April 3, 2020
Current Balance	: 2500
Previous Balance	: 2000
Operation	: SUBTRACT

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API TO USE:

/accounting/listCustomerAuditPaged

For Org and Emp (You need to replace "value" from C58 to actual value from the selected customer)

```
=====
{
  "noOfRecordsToShow": 10,
  "orderBy": "desc",
  "orgID": 24,
  "searchParam": [
    {
      "condition": "AND",
      "fieldName": "c.id",
      "fieldType": "string",
      "operator": "=",
      "value": "C58"
    }
  ],
  "startIndex": 0
}
```

<u>Date</u>	<u>Pay / Received ?</u>	<u>Amount</u>	<u>Other Party</u>	<u>Current Balance</u>	<u>Previous Balance</u>
<u>02-June- 2020</u>	<u>Pay</u>	<u>2000</u>	<u>Nilesh Enterprise</u>	<u>25000</u>	<u>24000</u>
<u>02-June- 2020</u>	<u>Pay</u>	<u>1050.0</u>	<u>Nilesh Shukla</u>	<u>24000</u>	<u>23000</u>
<u>01-June- 2020</u>	<u>Pay</u>	<u>200</u>	<u>Yedurappa</u>	<u>23000</u>	<u>2000</u>
<u>01-June- 2020</u>	<u>Pay</u>	<u>10,000.0</u>	<u>Avinash</u>	<u>2000</u>	<u>1000</u>
<u>01-June- 2020</u>	<u>Receive</u>	<u>20,000.0</u>	<u>ABC Enterprises</u>	<u>1000</u>	<u>10000</u>
<u>01-June- 2020</u>	<u>Receive</u>	<u>8000.0</u>	<u>Nilesh Yadav</u>	<u>10000</u>	<u>0</u>
<u>01-June- 2020</u>	<u>Receive</u>	<u>2000</u>	<u>-</u>	<u>0</u>	<u>0</u>

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REST API

- All create methods are “post” only
- createdByID required by the APIs is the loggedInUser: EmployeeID
- “orgId” required by the APIs is the loggedInUser: orgId. This is required by almost all API (other than create organization)

/customer/create

API To create customer

API	THE FIELDS NEED CLARIFICATION
<pre>{ "billingaddress": "string", "city": "string", "customerID": "string", "firmname": "string", "gstIn": "string", "initialBalance": 0, "mobile1": "string", "mobile2": "string", "name": "string", "transporter": "string" }</pre>	<p>Do not pass (as you may not have): "customerID": "string", "mobile2": "string",</p> <p>Mapping (UI to API) Mobile → mobile1</p>

/accounting/createGeneralExpense

API	THE FIELDS NEED CLARIFICATION
<pre>{ "category": "string", "cgst": 0, "date": "2020-05-04T12:16:19.768Z", "description": "string", "expenseld": 0, "extra": 0, "fromAccountID": 0, "fromEmployeeID": "string", "igst": 0, "includeInCalc": true, "includeInReport": true, "orderAmount": 0, "sgst": 0, "toPartyName": "string", "totalAmount": 0 }</pre>	<p>Do not pass (as you may not have): “expenseld”</p> <p>Mapping (UI to API) LoggedInUser:AccountID →fromAccountID LoggedInUser:EmployeeID →fromEmployeeID</p>

[/accounting/createPurchaseEntry](#)

API	THE FIELDS NEED CLARIFICATION
<pre>{ "billNo": "string", "cgst": 0, "date": "2020-05-04T12:15:20.708Z", "extra": 0, "fromAccountID": 0, "fromCustomerID": "string", "igst": 0, "includeInCalc": true, "includeInReport": true, "note": "string", "orderAmount": 0, "purchaseID": 0, "sgst": 0, "totalAmount": 0 }</pre>	<p>Do not pass (as you may not have): "purchaseID"</p> <p>Mapping (UI to API) "customer" searchbox: AccountID → fromAccountID</p> <p>"Customer" SearchBox:OwnerID → fromCustomerID</p>

[/accounting/createInternalTransfer](#)

API	THE FIELDS NEED CLARIFICATION
<pre>{ "amount": 0, "details": "string", "fromAccountID": 0, "fromEmployeeID": "string", "includeInCalc": true, "internalTransferID": 0, "receivedDate": "2020-05-04T12:46:17.042Z", "toAccountID": 0, "toEmployeeID": "string" }</pre>	<p>Do not pass (as you may not have): "internalTransferID"</p> <p>Mapping (UI to API) LoggedInUser:AccountID → fromAccountID LoggedInUser:EmployeeID → fromEmployeeID</p> <p>"To Person/Account" searchbox: AccountID → toAccountID</p> <p>"To Person/Account" SearchBox:EmployeeID → toEmployeeID</p>

[/accounting/createPaymentReceived](#)

API	THE FIELDS NEED CLARIFICATION
<pre>{ "amount": 0, "details": "string", "fromAccountID": 0, "fromCustomerID": "string", "includeInCalc": true, </pre>	<p>Do not pass (as you may not have): "paymentReceivedID"</p> <p>Mapping (UI to API) LoggedInUser:AccountID → toAccountID LoggedInUser:EmployeeID → toEmployeeID</p>

<pre> "paymentReceivedID": 0, "paymentType": "string", "receivedDate": "2020-05-04T12:47:18.749Z", "toAccountID": 0, "toEmployeeID": "string" } </pre>	<p>"Customer / Vendor" searchbox: AccountID→fromAccountID</p> <p>"Customer / Vendor" SearchBox:OwnerID → fromCustomerID</p>
--	---

</accounting/createPayToVendor>

API	THE FIELDS NEED CLARIFICATION
<pre> { "amount": 0, "details": "string", "fromAccountID": 0, "fromEmployeeID": "string", "payToVendorID": 0, "paymentDate": "2020-05-04T12:42:01.372Z", "toAccountID": 0, "toCustomerID": "string" } </pre>	<p>Do not pass (as you may not have): "paymentReceivedID"</p> <p>Mapping (UI to API) LoggedInUser:AccountID →fromAccountID LoggedInUser:EmployeeID →fromEmployeeID</p> <p>"Customer / Vendor" searchbox: AccountID→toAccountID</p> <p>"Customer / Vendor" SearchBox:OwnerID → ToCustomerID</p>

</accounting/createSalesEntry>

API	THE FIELDS NEED CLARIFICATION
<pre> { "cgst": 0, "date": "2020-05-04T12:49:05.916Z", "extra": 0, "igst": 0, "includeInCalc": true, "includeInReport": true, "invoiceID": 0, "invoiceNo": "string", "note": "string", "orderAmount": 0, "sgst": 0, "toAccountID": 0, "toCustomerID": "string", "totalAmount": 0 } </pre>	<p>Do not pass (as you may not have): "invoiceID"</p> <p>Mapping (UI to API) "Supplier / Vendor" searchbox: AccountID→toAccountID</p> <p>"Supplier / Vendor" SearchBox:OwnerID → ToCustomerID</p>

/employee/createEmployee

API	THE FIELDS NEED CLARIFICATION	
{ "currentAccountBalance": 0, "currentSalaryBalance": 0, "employeeId": "string", "first": "string", "initialSalaryBalance": 0, "last": "string", "lastSalaryBalance": 0, "loginUsername": "string", "mobile": "string", "orgId": 0, "type": "string" }	Do not pass (as you may not have): "employeeId" "Type" "CurrentSalaryBalance" Mapping (UI to API) Initial Balance → currentAccountBalance Mobile Number → loginUsername	

/employee/createEmpSalary

API	THE FIELDS NEED CLARIFICATION
{ "amount": 0, "createdById": "string", "details": "string", "includeInCalc": true, "orgId": 0, "salaryID": 0, "toEmployeeID": "string" }	Do not pass (as you may not have): SalaryID Mapping (UI to API) EmployeeID from "Employee Name" Search box → toEmployeeId

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/dashboard/buildDashboard

API	THE FIELDS NEED CLARIFICATION
OrgId	

/employee/createEmpSalaryPayment

API	THE FIELDS NEED CLARIFICATION
{ "amount": 0, "createdById": "string", "details": "string", "fromAccountId": 0, "fromEmployeeId": "string", "orgId": 0, "salaryPaymentID": 0, "toEmployeeId": "string", "transferDate": "2020-05-04T17:29:31.254Z" }	Do not pass (as you may not have): "salaryPaymentID" Mapping (UI to API) "To Person / Account" Search: EmployeeID → ToEmployeeId LoggedInUser:EmployeeID → fromEmployeeID LoggedInUser:AccountID → fromAccountID

}	
---	--

/organization/createOrganization

API	THE FIELDS NEED CLARIFICATION
<pre>{ "employeeBean": { "currentAccountBalance": 0, "currentSalaryBalance": 0, "employeeId": "string", "first": "string", "initialSalaryBalance": 0, "last": "string", "lastSalaryBalance": 0, "loginUsername": "string", "mobile": "string", "orgId": 0, "type": "string" }, "orgBean": { "city": "string", "orgId": 0, "orgName": "string", "state": "string" } }</pre>	<p>Do not pass (as you may not have): "OrgID" "initialSalaryBalance" "currentAccountBalance" "LastSalaryBalance" "type" "employeeId"</p> <p>Mapping (UI to API) Full Business /Firm/Company Name → orgName Your First Name → First Your Last name → Last State → state City/Villag → city 10 Digit Mobile Number → mobile</p>

/uulist/getCities

API	THE FIELDS NEED CLARIFICATION
<pre>{ Nothing need to pass }</pre>	<p>You will get City names that you need to show directly into the City/Village list.</p>

/uulist/createCity

API	THE FIELDS NEED CLARIFICATION
<pre>{ "id": 0, "name": "string" }</pre>	<p>Only send "name"</p>

/uiList/getExpenseCategories

API	THE FIELDS NEED CLARIFICATION
No Parameter required	

delivery/createDelivery

API	THE FIELDS NEED CLARIFICATION
<pre>{ "createdbyId": "string", "date": "2020-05-09T17:38:07.112Z", "deliveryID": 0, "description": "string", "orgId": 0, "toCustomerId": "string" }</pre>	<p>Do not pass (as you may not have): "deliveryID"</p> <p>Mapping (UI to API) Customer: ownerid* → toCustomerId LoggedInUser:OrgID → orgId LoggedInUser:EmployeeID → createdbyId</p> <p>*ownerId you will get as part of "Customer" search, while you display "NickName", you need to pass "OwnerId" to the backend for that field.</p>

Commented [n2]: Add JSON

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Commented [n4]:

accounting/getAccountsByNickName

API	THE FIELDS NEED CLARIFICATION
<pre>{ "accountId": 0, "accountnickname": "string", "createdate": "string", "createdbyId": "string", "createdbyid": "string", "currentbalance": 0, "details": "string", "lastbalance": 0, "orgId": 0, "ownerid": "string", "type": "string" }</pre>	<p>Only Pass: Accountnickname orgId</p> <p>You will get a List of AccountBeans and only following fields will be present:</p> <ul style="list-style-type: none"> Accountnickname accountId ownerid

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Commented [n6]: Add JSON

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accounting /searchExpenseByToPartyName

API	THE FIELDS NEED CLARIFICATION
<pre>orgId:int toPartyname:String</pre>	<p>You will get a List of Expense and only following fields will be present:</p> <ul style="list-style-type: none"> toPartyGSTNO toPartyName toPartyMobileNO

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employee/getEmployeeListByName

API	THE FIELDS NEED CLARIFICATION
<pre>{ "createdbyld": "string", "currentAccountBalance": 0, "currentSalaryBalance": 0, "displayName": "string", "first": "string", "initialSalaryBalance": 0, "last": "string", "lastSalaryBalance": 0, "loginrequired": true, "loginusername": "string", "mobile": "string", "orgld": 0, "type": "string" }</pre>	<p>You need to only pass: LoggedinUser: orgld → OrgID Name on the search box → first</p> <p>You will only get following fields in the EmployeeBean List:</p> <p>First Last employeeeld</p>

Commented [n12]: Add JSON

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Commented [n14]:

/login/sendOTP

API	THE FIELDS NEED CLARIFICATION
String: mobileNumber String:otp	200 Response

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Commented [n16]:

Commented [n17]:

/login/verifyOTP

API	THE FIELDS NEED CLARIFICATION
String: mobileNumber String:otp	200 Response

Commented [n18]: Add JSON

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Commented [n20]:

/login/getUserRegistrationStatusOnVerifiedOTP

API	THE FIELDS NEED CLARIFICATION
String: mobileNumber	200 Response

Commented [n21]: Add JSON

Commented [n22]:

Commented [n23]:

/Delivery/listDeliveriesPaged

/accounting/listPurchasesPaged

/accounting/listExpensesPaged

/employee/listEmployeesWithBalancePaged

/employee/listEmpSalariesPaged

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/customer/listCustomerANDVendorWithBalancePaged

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/accounting/createRetailSale

JSON	mapping
JSON : Please see on the swagger	loggedinUser: account.accountId→ fromAccountID loggedinUser:employee.id→ fromemployeeID

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Task to Work On





Task	Comments
Login using existing device fingerprint.	
Work Hours tracking module	
Edit of some of the items	
Unpaid to Paid Expense	

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Appendix

List Salary Paid

<https://wireframepro.mockflow.com/editor.jsp?editor=on&bgcolor=white&perm=Create&ptitle=Test&category=form&projectId=M2842c70ddeae32ebe7ec3bebea90bc331585569701819&publicid=45c69ca06e1a4a2292e66f6ba5efac72#/page/D53ecf8202f75dfdff308076c6b85a1cf>

ABC Enterprises Mhow (23ASPRXXXXX12)	
 9158900354	₹ +10,256
 9157854698	
Transport: 166/8, New Loha Mandi Indore Billing: Galla No. 120, Industrial State, Wagholi Pune – 400124	
XYZ Corporation Pune (26ASPRXXXXX12)	
 9145900654	₹ -8,000
 9157854789	
Transport: 127/8, Trasnport Nagar Pimpri PCMC Billing: Shop 121, Industrial State, Chickli PCMC – 400258	

Delivery

ABC Enterprises Mhow	
Tue Mar 31, 2020	
Details: 4 Computer, 2 mouse, 1 CPU	
XYZ Corporation Pune	
Wed Apr 01, 2020	
Details: 4kg Hypochloride , 2ltr Clorine	

Bill

ABC Enterprises Mhow	
Tue Mar 31, 2020	₹ 3300.0
CGST: 0.0 , SGST: 0.0, IGST: 0.0, Net: 3300.0 Extra:0.0	
Notes: 4 Computer, 2 mouse, 1 CPU	
Include in CA Report: <Show On off Switch>	
Include in Calculation: <Show On off Switch>	
Invoice No: C102	

XYZ Corporation Pune
Wed Apr 01, 2020 ₹ **5810.5**
CGST: 900.0 , SGST: 900.0, IGST: 0.0, Net: 5000.0
Extra:10.5
Notes : 4kg Hypochloride , 2ltr Clorine
Include in CA Report: <Show On off Switch>
Include in Calculation: <Show On off Switch>
Invoice No:

Expense List:

Foo Enterprise Pune
Machine maintenace
Tue Mar 31, 2020 ₹ **1200.0**
Description: Machinery maintenance parts purchased
Include in Calculation: <On/off Switch>
Include in CA Report: <On/off Switch>

Net: 3300.0, CGST: 0.0 , SGST: 0.0, IGST: 0.0, Extra:0.0
To Party Mobile:**9158900354**

Bar Corporation Indore
Transportation
Wed Apr 01, 2020 ₹ **4200.5**
Description : Transporting of the material
Include in Calculation: <On/off Switch>
Include in CA Report: <On/off Switch>

Employee

Prasad Uplenchar (9893012547)

Company Balance : ₹ -11,000.0

LoginEnabled: Yes

loginUserName: 9893012547

Salary To be Paid: 9000.0

Nitesh Yadav (9158900658)

Company Balance: ₹ 1,9,0000.0

LoginEnabled: Yes

loginUserName: 9158900658

Salary To be Paid: 9000.0

Payments

Foo Enterprise Pune

Tue Mar 31, 2020 ₹ 4200.0

Received By: Nitesh Yadav

Details: Raw material

Bar Corporation Indore

Wed Apr 01, 2020 ₹ 8200.5

Received By: Ashok Suradakar

Details: Raw material

List Vendor Invoices

National Chemical Ltd. Ahmadabad Tue Mar 31, 2020 ₹ 3300.0 Net: 3300.0, CGST: 0.0 , SGST: 0.0, IGST: 0.0, Extra:0.0 Notes: 4kg Hypochloride , 2ltr Clorine Include in Calculation: No Include in CA Report: No e in CA Report: Yes Bill No: C103
Aardhya Agro Ltd Pune Wed Apr 01, 2020 ₹ 5810.5 Net: 5000.0 , CGST: 900.0 , SGST: 900.0, IGST: 0.0, Extra:10.5 Notes : 4 Computer, 2 mouse, 1 CPU Include in Calculation: Yes Include in CA Report: No Bill No:

List Vendor Payments

National Chemical Ltd. Ahmadabad Tue Mar 31, 2020 ₹ 3300.0 Done By: Nilesh Yadav Details: Raw material
Aardhya Agro Ltd Pune Wed Apr 01, 2020 ₹ 5810.5 Done By: Ashok Suradakar Details: Raw material

List Salary

Prasad Uplenchar (9893012547)
Date: Tue April 3, 2020 Salary: ₹ 15000.0 Description: For Month of March 2020

Nitesh Yadav (9158900658)

Date: Tue April 2, 2020
Salary: ₹ 15000.0

Description: For Month of March 2020

Attendance View

Entry: Tue Mar 31, 2020 (Auto)
Location: Rajendra Nagar Indore
Scanned By: Navin Yadav

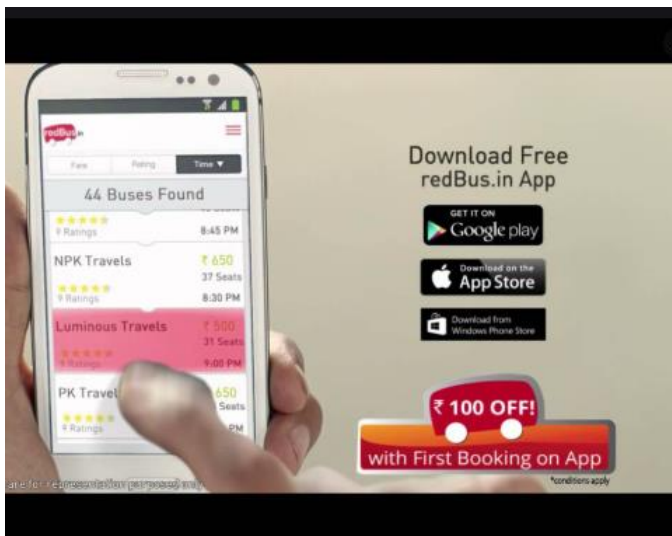
----- Hours Worked: 2

Exit : Tue Mar 31, 2020 (Auto)
Location: Rajendra Nagar Indore
Scanned By: Navin Yadav

Entry: Tue Mar 31, 2020 (Auto)
Location: Rajendra Nagar Indore
Scanned By: Navin Yadav

----- Hours Worked: 2

Exit : Tue Mar 31, 2020 (Manual)
Location: Rajendra Nagar Indore
Scanned By: Navin Yadav



8:37 PM

100%

My Risk Quality Ratings

Americas

International

Risk Category

Warehousing Protection

Pulp and Paper

122145

7.7

>

Heavy Manufacturing

122134

7.4

>

Officeway

406041

7.3

>

Retail

122137

4.7

>

Food Service

416808

4.2

>

Light Manufacturing

122163

7.0

>

Payment of 150

Date: Tue April 3, 2020

Amount: ₹ 150

Prev Balance	Operation	Transaction Amount	New Balance
200	+	150	350

Reason (For What) : Salary

Other Party: Nilesh Yadav

<u>Type : Payment Amount: 500.0</u> <u>For What : Vendor Payment</u> <u>Other Party : Nitesh Enterprises</u> <u>Date : Tue April 3, 2020</u> <u>Current Balance : 2500</u> <u>Previous Balance : 2000</u> <u>Operation : ADD (+)</u>	
<u>Type : Received Amount: 200.0</u> <u>For What : Internal Transfer</u> <u>Other Party : Nitesh Enterprises</u> <u>Date : Tue April 3, 2020</u> <u>Current Balance : 2500</u> <u>Previous Balance : 2000</u> <u>Operation : SUBTRACT (-)</u>	

<u>Date</u>	<u>Pay / Received ?</u>	<u>Amount</u>	<u>For What ?</u>	<u>Other Party</u>	<u>Current Balance</u>	<u>Previous Balance</u>
<u>02-June-2020</u>	<u>Pay</u>	<u>2000</u>	<u>Vendor Pay</u>	<u>Nilesh Enterprise</u>	<u>25000</u>	<u>24000</u>
<u>02-June-2020</u>	<u>Pay</u>	<u>1050.0</u>	<u>Salary Pay</u>	<u>Nilesh Shukla</u>	<u>24000</u>	<u>23000</u>
<u>01-June-2020</u>	<u>Pay</u>	<u>200</u>	<u>Expense Payment</u>	<u>Yedurappa</u>	<u>23000</u>	<u>2000</u>
<u>01-June-2020</u>	<u>Pay</u>	<u>10,000.0</u>	<u>Internal Transfer</u>	<u>Avinash</u>	<u>2000</u>	<u>1000</u>
<u>01-June-2020</u>	<u>Receive</u>	<u>20,000.0</u>	<u>Customer / Vendor</u>	<u>ABC Enterprises</u>	<u>1000</u>	<u>10000</u>
<u>01-June-2020</u>	<u>Receive</u>	<u>8000.0</u>	<u>Internal Transfer</u>	<u>Nilesh Yadav</u>	<u>10000</u>	<u>0</u>
<u>01-June-2020</u>	<u>Receive</u>	<u>2000</u>	<u>Retail</u>	<u>-</u>	<u>0</u>	<u>0</u>