

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 development 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 flow:

- #1 Login:** Initial login screen with a link for new users, a field for Registered Mobile Number, and a Login button.
- #2 Login:** Screen after successful login with a pre-filled Registered Mobile Number, a Login button, and an OTP field with a 'Resend? after 60 sec' link.
- #3 Login:** Screen after OTP verification with a pre-filled Registered Mobile Number, a Login button, and an OTP field showing '620589' and a 'Verified' status.
- #4a Dashboard:** A simple box representing the user's dashboard.
- #4b Select Business / Firm / Company For Login:** A screen showing a message 'The entered mobile number is already registered' and a list of businesses: 'ABC Business Ltd' and 'XYZ Corporation'.

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

--	--	--

On Action	What to do	API to use
Login		

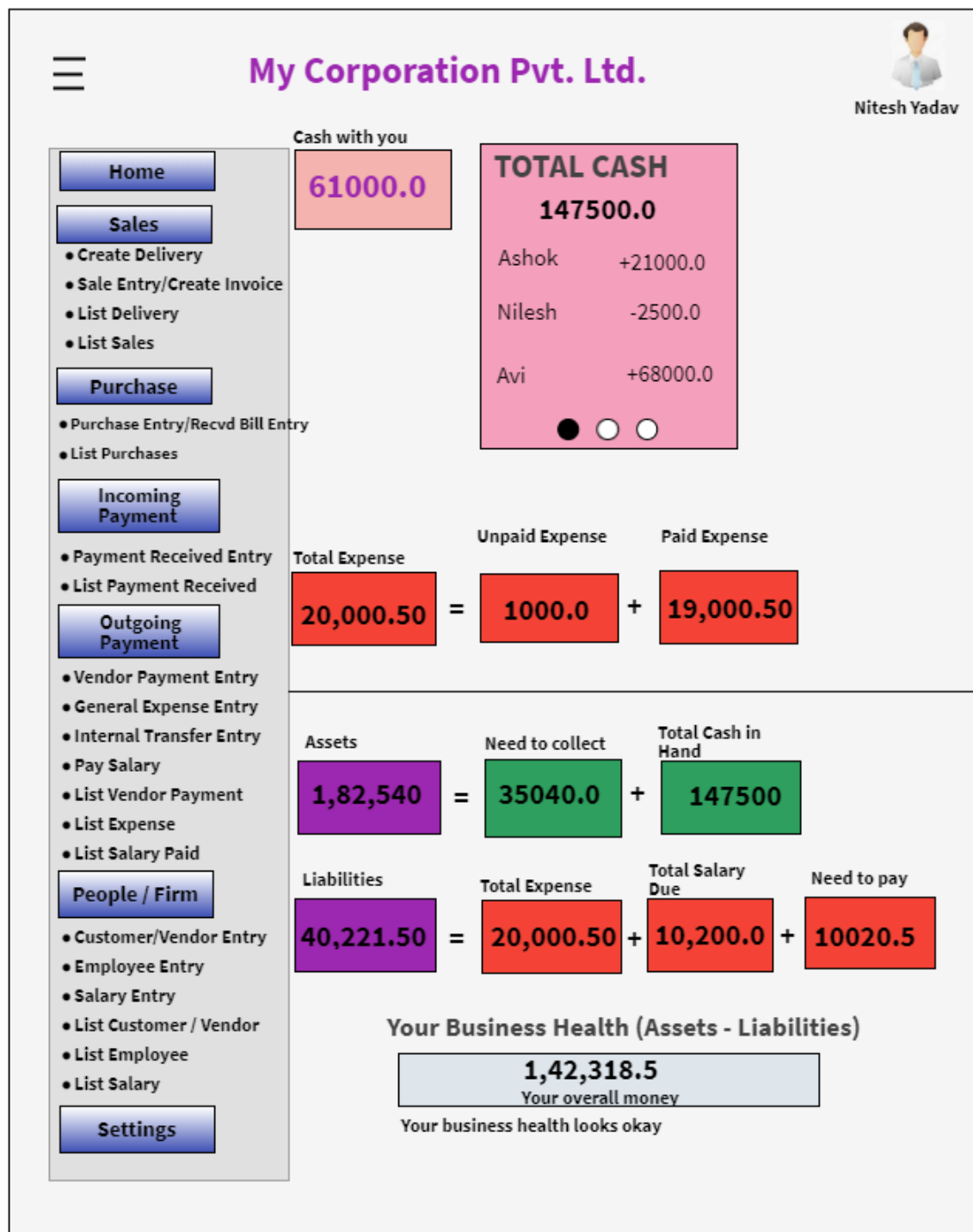
Login with Mobile Number Only with OTP (Please note that other fields are grayed-out)

The screenshot shows a login interface with the title "Login" in purple. It is divided into two main sections. The top section, titled "Registered Mobile Number", contains a text input field with the value "9158900354", a button labeled "Login with mobile only", and a label "OTP Sent ..." above a text input field. The bottom section contains a "Password" field, a "Company ID" field, and a "Full Login" button. A red arrow points from the text "On click" to the "OTP Sent ..." input field. The "Login with mobile only" button is also highlighted with a red outline.

[Dashboard](#)

Special Instruction:

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 or Firm * (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 (If entered)	15 character	
Mobile2	10 digit number	

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

Add City

Add City/Village

Name

List Customer/Vendor

ABC Enterprises (9158900354)
Mhow Madhya Pradesh (23ASPXXX)
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 ?

☒

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/	/customer/listCustomerANDVendorWithBalancePaged

	vendor search	
Mobile Number Update	Do mobile number update	
Send Payment Reminder?	On/Off	

Delivery Create

Delivery Create

Date: 12 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 Type 3 character – auto search	Search Customer Accounts 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

List Delivery

ABC Enterprises Mhow (23ASPRXXXXXX12) Tue Mar 31, 2020 Details: 4 Computer, 2 mouse, 1 CPU	
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"/> 	TO	<input type="text" value="12 May 2016"/> 
<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

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”

Purchase Entry / Received Bill Entry

Date: 12 May 2016

Customer: [Search]

Total Amount (Gross): []

Save

Advanced

Purchase Entry / Received Bill Entry

Date: 12 May 2016

Customer: [Search]

Total Amount (Gross): []

CGST: []

SGST: []

IGST: []

Extra Amount: []

Order Amount (Net): []

Include in Calculation: ☒ Default: Yes (On)

Include in CA Report: ☐ Default: No (Off)

Notes: []

Bill No. (Actual): []

Save

Click on Advanced will display full form

Default today

Auto Search, display customer information on the field while in back-end pass customerID

All are number fields

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

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 Chlorine	
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	/accounting/listPurchasesPaged

Create Expense

Create Expense

Date

12 May 2016

Total Amount (Gross)

To Party (Name)

Category

Select

Paid ?

Save

Create Expense

Date

12 May 2016

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	15 Digit Alphanumeric (If entered) Auto Fill based on the result of ToPartyName Search	
ToParty Mobile No	10 Digit Number (Entered) 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

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
Machine Maintenance	Category

On Action	What to do	API to use
Include in CA Report?	Change	

Include in Calculation?	Change	
Search	List Expenses paged	/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	accounting/getAccountsByNickName 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

List Payment Received

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

Sales Entry / Create Invoice

Sales Entry / Create Invoice

Invoice Date

12 May 2016

Supplier / Vendor

Total Amount (Gross)

Save

Advanced

Sales Entry / Create Invoice

Invoice Date

12 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

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

Customer / Vendor

Amount

Details

Include in Calculation

☒

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-	accounting/getAccountsByNickName Display Logic: This API will give you List<AccountBean>

	<p>search starts and shows the list of customer's accounts</p> <p>Search on Account instead of Customer/Vendor</p>	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

Default "today"

To Person / Account

List of employee

Amount

Details

Include in Calculation

☒

Default "Yes/On"

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

	Search on Account	
Save	Create InternalTransfer	/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
-------	-------------	-----------

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
		-

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

Salary Transfer

Salary Transfer


Transfer Date



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

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

List Salary Paid

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

Select ▼

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	1. Not Empty 2. Three characters	Save
Mobile Number	• Not Empty • 10 digit number	
Your First Name	1. Not Empty	
	Default “Yes/On”	

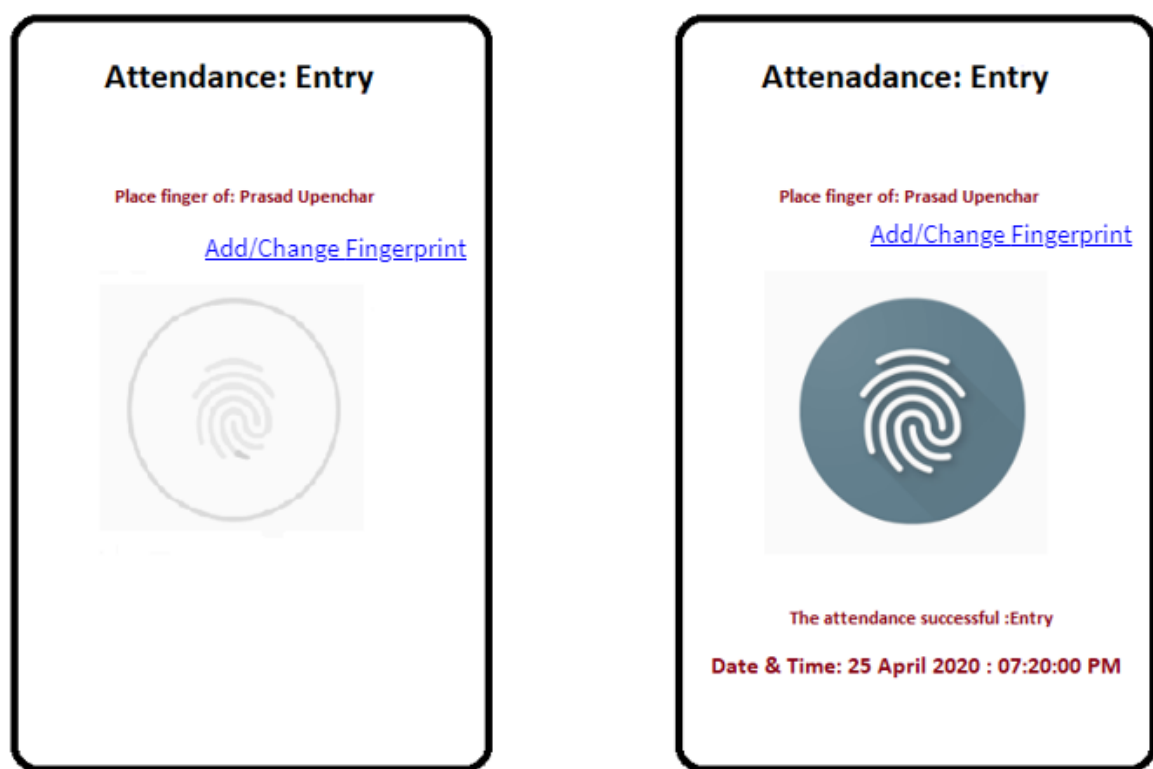
On Action	What to do	API to use
State	Present a list of state	No remote search, simply show from UI.
Get OTP		
Verify OTP		
Register		

Attendance:Entry/Exit and Fingerprint Add

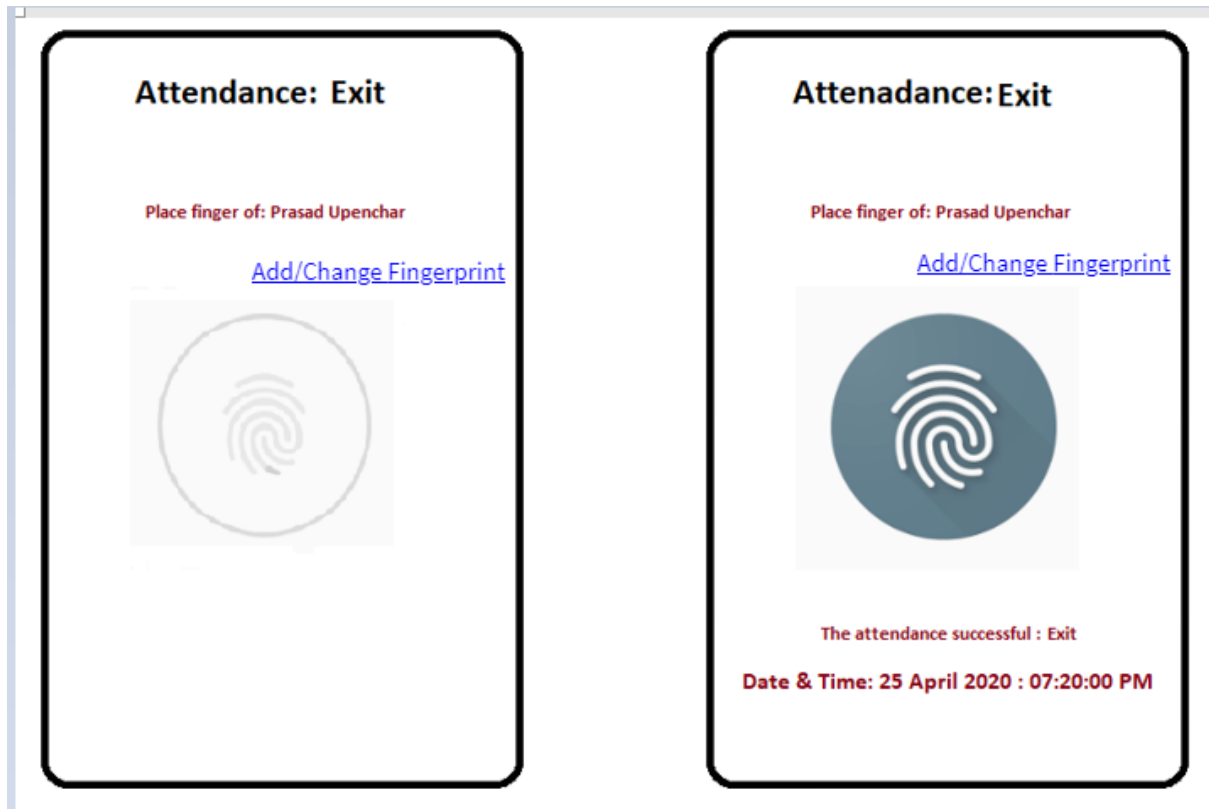
Please note that in two ways attendance can be recorded 1. Biometric 2. Manual

Both option will send the location as part that.

ENTRY

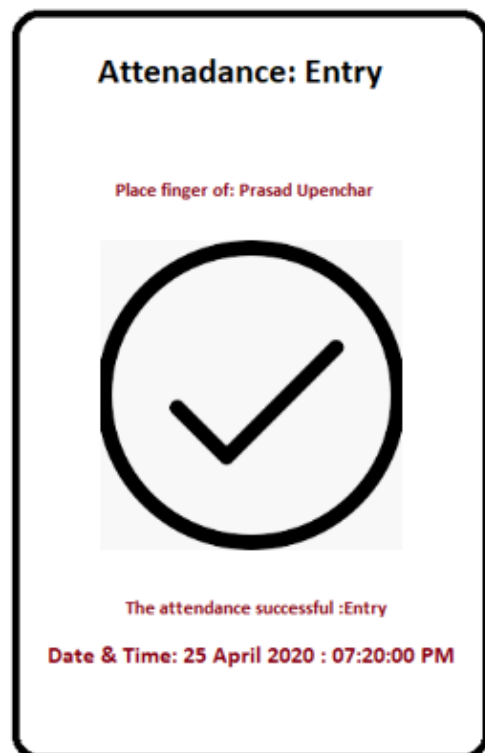
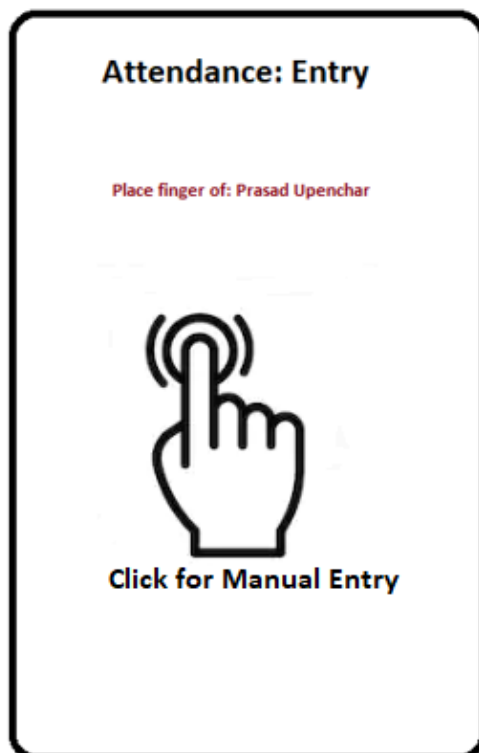


EXIT

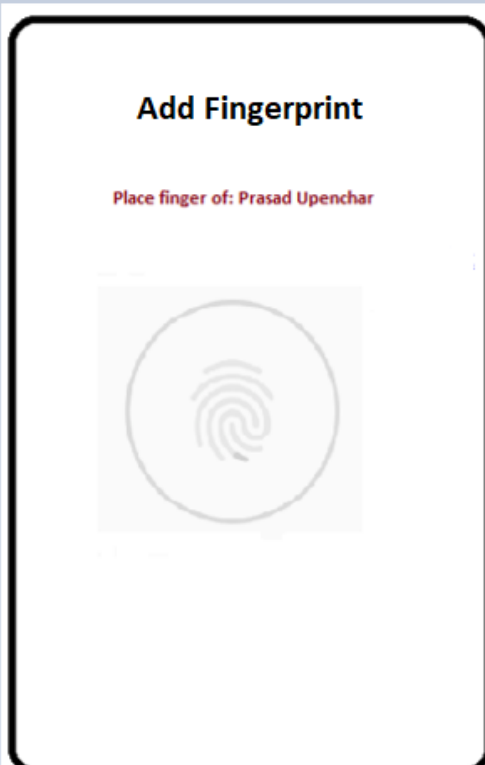


Fallback Attendance

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 (Auto)	27/04/2020 5:02AM (Manual)	5	Scanned By : Navin Yadav 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	

Account View : Employee Company Balance Calculations

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

Type : Payment	Amount: 500.0
For What	: Vendor Payment
Other Party	: Nitesh Enterprises
Date	: Tue April 3, 2020
Current Balance	: 2500
Previous Balance	: 2000
Operation	: ADD

Type : Received	Amount: 200.0
For What	: Internal Transfer
Other Party	: Nitesh Enterprises
Date	: Tue April 3, 2020
Current Balance	: 2500
Previous Balance	: 2000
Operation	: SUBTRACT

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

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
}
```

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

From Account Feature:

Currently the app assumes that always the money will be deducted from the logged-in user account. But, we are introducing the feature of from Account. So user can select which account.

It will be a search box that should be auto-populated by the logged-in user name. Currently you are sending logged in user employeeID and AccountID. By default you will populating with logged in user name and account details. If user select someone else then you need to do pass accountID and EmployeeID of that.

Display Impact on Forms

General Expense Entry

Paid By Account

Payment Received Entry

Received In Account

Vendor Payment Entry

Account Used for payment

Retail Entry

Received In Account

Pay Salary Entry

Paid By Account

API To Use for filling the Above Fields
employee/getEmployeeListByName

*Only orgId is mandatory

Other API Impact on Forms

Internal Transfer

In Internal Transfer, currently UI uses “employee/getEmployeeAccountsByName” instead use
“employee/getEmployeeListByName”

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>{ "billingadress": "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, </pre>	<p>Do not pass (as you may not have): “expenseld”</p>

<pre> "date": "2020-05-04T12:16:19.768Z", "description": "string", "expenseId": 0, "extra": 0, "fromAccountID": 0, "fromEmployeeID": "string", "igst": 0, "includeInCalc": true, "includeInReport": true, "orderAmount": 0, "sgst": 0, "toPartyName": "string", "totalAmount": 0 } </pre>	Mapping (UI to API) LoggedInUser:AccountID →fromAccountID LoggedInUser:EmployeeID →fromEmployeeID
---	--

[/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>	Do not pass (as you may not have): "purchaseID" Mapping (UI to API) "customer" searchbox: AccountID→fromAccountID "Customer" SearchBox:OwnerID → fromCustomerID

[/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", } </pre>	Do not pass (as you may not have): "internalTransferID" Mapping (UI to API) LoggedInUser:AccountID →fromAccountID LoggedInUser:EmployeeID →fromEmployeeID

<pre>"toAccountID": 0, "toEmployeeID": "string" }</pre>	<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, "paymentReceivedID": 0, "paymentType": "string", "receivedDate": "2020-05-04T12:47:18.749Z", "toAccountID": 0, "toEmployeeID": "string" }</pre>	<p>Do not pass (as you may not have): "paymentReceivedID"</p> <p>Mapping (UI to API) LoggedInUser:AccountID →toAccountID LoggedInUser:EmployeeID →toEmployeeID</p> <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
{	Do not pass (as you may not have):

<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>"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	
<pre> { "currentAccountBalance": 0, "currentsalarybalance": 0, "employeeId": "string", "first": "string", "initialSalaryBalance": 0, "last": "string", "lastsalarybalance": 0, "loginusername": "string", "mobile": "string", "orgid": 0, "type": "string" } </pre>	<p>Do not pass (as you may not have): "employeeId" "Type" "Currentsalarybalance"</p> <p>Mapping (UI to API) Initial Balance → currentAccountBalance Mobile Number → loginusername</p>	

[/employee/createEmpSalary](#)

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

[/dashboard/buildDashboard](#)

API	THE FIELDS NEED CLARIFICATION
OrgId	

[/employee/createEmpSalaryPayment](#)

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

[/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): <code>"OrgID"</code> <code>"initialSalaryBalance"</code> <code>"currentAccountBalance"</code> <code>"Lastsalarybalance"</code> <code>"type"</code> <code>"employeeId"</code></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>

[/uilst/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>

--	--

[/uilib/createCity](#)

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

[/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>

[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, }</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

<pre>"ownerid": "string", "type": "string" }</pre>	

[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

[employee/getEmployeeListByName](#)

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

[/login/sendOTP](#)

API	THE FIELDS NEED CLARIFICATION
<pre>String: mobileNumber String: otp</pre>	200 Response

[/login/verifyOTP](#)

API	THE FIELDS NEED CLARIFICATION
<pre>String: mobileNumber String: otp</pre>	200 Response

[/login/getUserRegistrationStatusOnVerifiedOTP](#)

API	THE FIELDS NEED CLARIFICATION
String: mobileNumber	200 Response

[/Delivery/listDeliveriesPaged](#)

[/accounting/listPurchasesPaged](#)

[/accounting/listExpensesPaged](#)

[/employee/listEmployeesWithBalancePaged](#)

[/employee/listEmpSalariesPaged](#)


[/customer/listCustomerANDVendorWithBalancePaged](#)

[/accounting/createRetailSale](#)

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

API Response Code and User Interface

HTTP Response Code	Meaning	What to do
200	OK	Display "Success" with a icon (of Correct)

500	Internal Server Error	Display “There is a problem with the server, please try after some time”
400	Bad Request	Display the message as it. This error should not happen, if it is happening meaning there is mismatch of basic validation between server / andriod UI. That is the reason, UI does not need any special handling and display the “message” directly (Only supports english)
417	EXPECTATION_FAILED	<p>You will receive “errorcode”. Please note here the error code will be in string format. An example is given below:</p>  <p>The part in the yellow is the “KEY” that you have to put in the language translation file. Currently you just need to focus only on English.</p>
409	Conflict	<p>Special Logic</p> <p>UI can receive this error code on create APIs only. This says that the entry being entered may be a duplicate entry. It may not be a duplicate entry. So a user consent is required. If user is fine continuining then call the same API with same data again with “forceCreate=true”</p> <p>For this error to be received, you need to call all the create API first time with “forceCreate=false”</p>





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	

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/D53ecf8202f75dfdf308076c6b85a1cf>

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 Chlorine 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: Nilesh 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

The advertisement features a hand holding a smartphone displaying the redBus.in app interface. The app shows a list of buses under the heading "44 Buses Found". The visible bus listings are as follows:

Bus Operator	Fare	Rating	Time	Seats
NPK Travels	₹ 650	9 Ratings	8:45 PM	37 Seats
Luminous Travels	₹ 500	9 Ratings	8:30 PM	31 Seats
PK Travel	₹ 650	9 Ratings	9:00 PM	31 Seats

To the right of the smartphone, the text "Download Free redBus.in App" is displayed. Below this, there are three download links: "GET IT ON Google play", "Download on the App Store", and "Download from Windows Phone Store". At the bottom right, a red banner with white text reads "₹ 100 OFF! with First Booking on App". A small asterisk and the text "*conditions apply" are visible at the bottom right of the banner.



8:37 PM100%

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

>

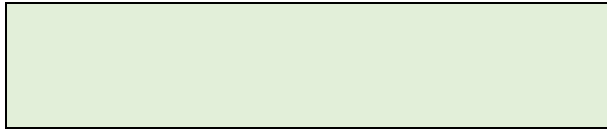
Payment of 150

Date: Tue April 3, 2020
Amount: ₹ 150

Prev Balance	Operation	Transaction Amount	New Balance
200	+	150	350

Reason (For What) : Salary

Other Party: Nilesch Yadav



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

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