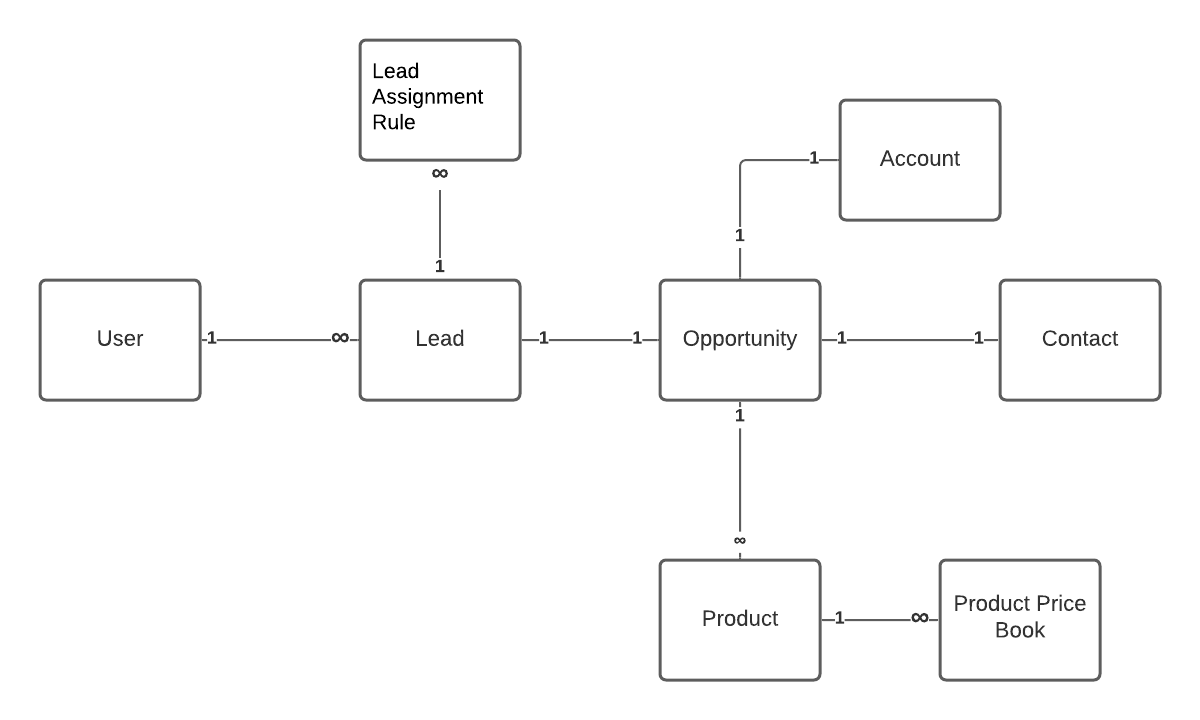
**THOR-CRM**

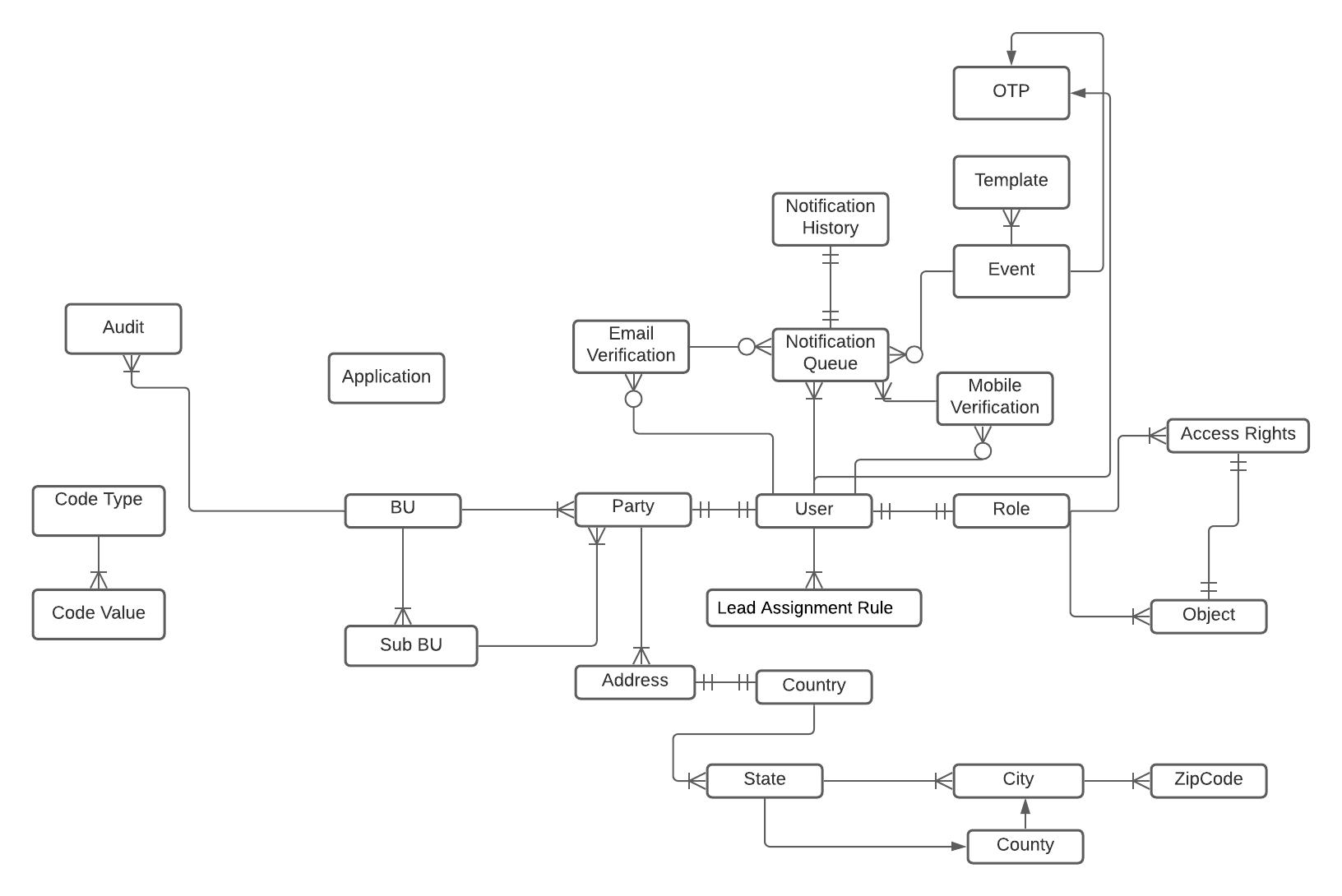
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**ERD DIAGRAM FOR CRM:**



**ERD DIAGRAM FOR CRM WITH THOR SERVICES:**



**DEVELOPMENT TECHNOLOGIES:**

FRONTEND: REACT, Redux

BACKEND: Python (version 3.8)

Database: PGAdmin (Postgres12)

Testing tool: Postman

|  |
| --- |
| **Entity: Specification** |
| **Lead** - To track all Leads generated for the business |
| **Contact** - Any contact relevant for the business. Could be tied to lead, opportunity or account |
| **Opportunity** - A qualified lead who has to be given a quote, some leads would get converted into opportunity. |
| **Account** - An opportunity who has paid and bought the service |
| **Product** - A list of goods and services offered by the business |
| **Product Price Book** - The product master price list |
| **Lead Assignment Rule** - A set of rules used to assign a new lead to the sales team |
| **Lead Management:**   |  |  | | --- | --- | | **Attribute Name** | **Purpose** | | First name | First name | | last name/company name | last name | | middle name | middle name | | salutation | Mr., Mrs.,etc. | | Lead display Name | name of the lead - for person lead it will be Salutation+First Name+Middle Name+Last Name | | lead Source | the source that generated this lead | | Lead rating | the rating of the lead - hot, warm, cold | | lead stage | lead stage - new, assigned, opportunity, converted, dropped | | Address |  | | OwnerID | The current owner of this lead (user id) | | lead Status | active, inactive | | lead capture datetime | Current Date | | lead assigned datetime | Current Date | | lead aging days | calculated value = lead capture date - current date in days | | lead last contact days | calculated value = action executed datetime - current date in days | | Next Lead Action | Call, Email, Visit | | Next Lead Action Assigned To | the user to which the action is assigned | | Next Lead Action datetime | the date on which action has to be executed,  Current Date | | Action Execution Status | scheduled, completed, cancelled | | Action Execution Datetime | the date on which action was executed,  Current Date | | Action Remarks | The note entered for the action executed | | Interested Product | the product in which lead is interested |   **Contact Management:**   |  |  | | --- | --- | | **Attribute Name** | **Purpose** | | First Name | First Name | | Middle Name | Middle Name | | Last Name | Last Name | | Salutation | Mr., Mrs.,etc. | | Display Name | calculated field based on above e.g. salutation+first+last | | contact no | 10 digit unique integer number | | alternate contact no | 10 digit integer number | | email id | Unique email ed | | department | the department to which the contact belongs in a company | | designation | the designation of the contact in the company | | Address | not mandatory | | status | Active , inactive |   **Account Management:**   |  |  | | --- | --- | | **Attribute Name** | **Purpose** | | Account Name | name of the account - for person account it will be Salutation+First Name+Middle Name+Last Name | | Account Number | a unique no given to the account. | | Account Source | the source that generated this account | | Annual Revenue | the revenue generated or forecast from this account | | Billing Address | the address on which the invoice will be generated | | Registered Address | the registered address of the account | | Shipping Address | the shipping address of the account where goods will be dispatched | | Industry | the industry to which the company account belongs e.g. healthcare, manufacturing | | NumberofEmployees | the count of employees working in company account | | OwnerID | The current owner of this account (user id) | | ParentAccountID | Parent account ID if this a child account | | Website URL | If account has a website, capture the URL | | Account Category | The category of the account e.g. platinum, silver, normal, VIP etc. | | Account Status | active, inactive | | Account Start Date | Current date | | Account End Date | Current date |   **Product Management:**   |  |  | | --- | --- | | **Attribute Name** | **Purpose** | | Product Name |  | | Product Category |  | | Product Unit | ltr, box, piece, feet etc. | | Product Description |  | | Product Code | the display code in the quotation | | Product Min Quantity | the minimun quantity that has to be purchased | | Status |  |   **Opportunity Management:**   |  |  | | --- | --- | | **Attribute Name** | **Purpose** | | Is Person or Company | the type of opportunity - person or company | | First name | First name | | last name/company name | last name | | middle name | middle name | | salutation | Mr., Mrs.,etc. | | opportunity display Name | name of the opportunity - for person opportunity it will be Salutation+First Name+Middle Name+Last Name | | opportunity stage | opportunity stage - new, assigned, quote, converted, lost | | Address |  | | OwnerID | The current owner of this opportunity (user id) | | opportunity Status | active, inactive | | opportunity capture datetime | Current date | | opportunity assigned datetime | Current date | | opportunity aging days | calculated value = opportunity capture date - current date in days | | opportunity last contact days | calculated value = action executed datetime - current date in days | | Next opportunity Action | Call, Email, Visit, Generate Quote | | Next opportunity Action Assigned To | the user to which the action is assigned | | Next opportunity Action datetime | the date on which action has to be executed | | Action Execution Status | scheduled, completed, cancelled | | Action Execution Datetime | the date on which action was executed | | Action Remarks | The note entered for the action executed | | Opportunity Amount | The total amount of the product and price and qty that can be sold to the opporunity | | Opportunity Closure Probablity | the percentage probablity of getting closure, max is 100% | | Is Quote Generated? | Yes, no | | Quotation Number | Integer number | | Quotation Date | Current date | | Quotation Amount | amount | | Quotation Given By | the user who generated and gave the quotation | | Product | the product the opportunity is interested in | | product description | 128 word text field | | quantity | Integer value | | unit price | price | | discount amount | Should be less than unit price | | discount percentage | Percentage value | | total price | calculated value = (unit price\*quantity) - discount amount or apply discount % | |

**Product Price Book:**

|  |  |
| --- | --- |
| **Attribute Name** | **Purpose** |
| product name |  |
| price start date | the date on which these prices are applicable |
| price end date |  |
| price start quantity | the range in which this price applies. Higher volumes can be at lesser price generally |
| price end quantity | the range in which this price applies. Higher volumes can be at lesser price generally |
| amount | amount |
| status |  |

**Assignment Rule:**

|  |  |
| --- | --- |
| **Attribute Name** | **Purpose** |
| Rule | Rule num |
| Rule Name | Rule name |
| Rule Sequence | Sequence |
| Rule Status | Active, Inactive |
| Rule Logic | the logic to execute to get the final value. This will be like a formula with variable values embedded |

**SQL Scripts**

**lead table:**

CREATE TABLE core.txn\_crm\_lead (

lead\_id BIGSERIAL PRIMARY KEY NOT NULL,

party\_id BIGSERIAL NOT NULL,

first\_name character varying(128) NOT NULL,

last\_name character varying(128) NOT NULL,

middle\_name character varying(128),

salutation character varying(32) NOT NULL,

lead\_display\_name character varying(32) ,

lead\_source bigint NOT NULL,

lead\_rating bigint NOT NULL,

lead\_stage bigint NOT NULL,

owner\_id bigint NOT NULL,

lead\_status boolean,

lead\_captured\_at timestamp without time zone,

lead\_assigned\_at timestamp without time zone,

lead\_aging bigint ,

lead\_last\_contact timestamp without time zone,

next\_lead\_action bigint ,

next\_lead\_action\_assignee character varying(32),

next\_lead\_action\_at timestamp without time zone,

action\_execution\_status bigint,

action\_execution\_at timestamp without time zone,

action\_remarks character varying(32) ,

interested\_product character varying(32),

CONSTRAINT fk\_partyid

FOREIGN KEY(party\_id)

REFERENCES core.txn\_party(partyid),

CONSTRAINT fk\_userid

FOREIGN KEY(owner\_id)

REFERENCES core.txn\_user(user\_id))

**contact management:**

CREATE TABLE core.txn\_crm\_contact (

contact\_id BIGSERIAL PRIMARY KEY NOT NULL,

owner\_id bigint NOT NULL,

first\_name character varying(128) NOT NULL,

last\_name character varying(128) NOT NULL,

middle\_name character varying(128),

salutation character varying(32) NOT NULL,

lead\_display\_name character varying(128) ,

contact bigint,

alternate\_contact bigint,

email\_id character varying(32) NOT NULL,

department character varying(32) NOT NULL,

designation character varying(32) NOT NULL,

contact\_status boolean,

CONSTRAINT fk\_userid

FOREIGN KEY(owner\_id)

REFERENCES core.txn\_user(user\_id))

**product management:**

CREATE TABLE core.txn\_crm\_product

(

product\_id BIGSERIAL PRIMARY KEY NOT NULL,

product\_name character varying(32) ,

product\_category character varying(32) ,

product\_unit character varying(32) ,

product\_discription character varying(128) ,

product\_code character varying(08) ,

product\_min\_quantity bigint NOT NULL,

status boolean,

owner\_id bigint NOT NULL,

CONSTRAINT fk\_partyid

FOREIGN KEY(party\_id)

REFERENCES core.txn\_party(partyid),

CONSTRAINT fk\_userid

FOREIGN KEY(owner\_id)

REFERENCES core.txn\_user(user\_id))

**opportunity management:**

CREATE TABLE core.txn\_crm\_opportunity (

opportunity\_id BIGSERIAL PRIMARY KEY NOT NULL,

opportunity\_type bigint NOT NULL,

first\_name character varying(128) NOT NULL,

last\_name character varying(128) NOT NULL,

middle\_name character varying(128),

salutation character varying(32) NOT NULL,

opportunity\_display\_name character varying(128) ,

opportunity\_stages bigint NOT NULL,

owner\_id bigint NOT NULL,

opportunity\_status boolean,

opportunity\_captured\_at timestamp without time zone,

opportunity\_assigned\_at timestamp without time zone,

opportunity\_aging\_days bigint NOT NULL,

opportunity\_last\_contact bigint NOT NULL,

next\_action bigint NOT NULL,

next\_action\_assignee bigint NOT NULL,

next\_opportunity\_action\_at timestamp without time zone,

action\_execution\_status bigint NOT NULL,

action\_execution\_at timestamp without time zone,

action\_remarks character varying(128) NOT NULL,

opportunity\_amount double precision,

opportunity\_closure\_probablity character varying(128) NOT NULL,

is\_quote\_generated boolean,

quotation\_number bigint NOT NULL,

quotation\_date timestamp without time zone,

quotation\_amount double precision,

quotation\_given\_by bigint NOT NULL,

product\_id bigint NOT NULL,

product\_description character varying(128) NOT NULL,

quantity bigint NOT NULL,

unit\_price double precision,

discount\_amount double precision,

discount\_percentage double precision,

total\_price double precision,

contact\_id bigint NOT NULL,

account\_id bigint NOT NULL,

CONSTRAINT fk\_userid

FOREIGN KEY(owner\_id)

REFERENCES core.txn\_user(user\_id))

**account management details:**

CREATE TABLE core.txn\_crm\_account

(

account\_id bigint NOT NULL ,

party\_id bigint NOT NULL ,

account\_name character varying(32) ,

account\_number bigint NOT NULL,

account\_source bigint NOT NULL,

annualrevenue character varying(32) ,

billingaddress character varying(32) ,

registeredaddress character varying(32),

shippingaddress character varying(32) ,

industry bigint NOT NULL,

numberofemployees bigint NOT NULL,

owner\_id bigint NOT NULL,

parentaccountid bigint NOT NULL,

websiteurl character varying(32) ,

accountcategory bigint NOT NULL,

accountstartdate timestamp without time zone,

accountenddate timestamp without time zone,

account\_type bigint,

accountstatus bigint,

CONSTRAINT fk\_partyid

FOREIGN KEY(party\_id)

REFERENCES core.txn\_party(partyid),

CONSTRAINT fk\_userid

FOREIGN KEY(owner\_id)

REFERENCES core.txn\_user(user\_id))

**Assignment rule management details:**

CREATE TABLE core.txn\_crm\_assignment\_rule (

rule\_id BIGSERIAL PRIMARY KEY NOT NULL,

owner\_id bigint,

rule\_name character varying(32) ,

rule\_sequence character varying(32) ,

rule\_status boolean,

rule\_logic character varying(32) ,

condition\_field bigint,

condition\_value bigint,

output\_field bigint,

output\_value bigint,

CONSTRAINT fk\_userid

FOREIGN KEY(owner\_id)

REFERENCES core.txn\_user(user\_id))

**Request Info:**

"applicationId": "11101"

"buId": "36"

"subBuId": "0"

"action": ""

"issuer": "epi"

"userLogin": "mayur@gmail.com"

"environment": "dev"

"userId": "1"

**Backend Requirements:**

* **Requirements for python backend**

**fastapi==0.70.0**

**icecream==2.1.1**

**importlib-metadata==4.8.1**

**psycopg2-binary==2.9.1**

**pydantic==1.8.2**

**Pygments==2.10.0**

**requests==2.26.0**

**SQLAlchemy==1.4.26**

**urllib3==1.26.7**

**uvicorn==0.15.0**

**FRONTEND SCREENS**

**User login:**

|  |  |  |
| --- | --- | --- |
| **Attribute Name** | **Field** | **Credantials** |
| Username | Text field | [nbelim@gmail.com](mailto:nbelim@gmail.com) |
| Password | Text field | [Admin@123](mailto:Admin@123) |

**Lead Management:**

|  |  |  |
| --- | --- | --- |
| **Attribute Name** | **Field** | **Validation** |
| First name | textfield | Field should not be empty |
| last name/company name | textfield | Field should not be empty |
| middle name | textfield | Not mendatory |
| salutation | dropdown | Field should not be empty |
| Lead display Name | textfield | Field should not be empty |
| lead Source | dropdown +lookupcall | Field should not be empty |
| Lead rating | dropdown +lookupcall | Field should not be empty |
| lead stage | dropdown +lookupcall | Field should not be empty |
| lead Status | dropdown +lookupcall | Field should not be empty |
| Next Lead Action | dropdown +lookupcall | Field should not be empty |
| Next Lead Action Assigned To | textfield | Field should not be empty |
| Action Execution Status | dropdown +lookupcall | Field should not be empty |
| Action Remarks | textfield | Field should not be empty |
| Interested Product | textfield | Field should not be empty |

**Address :**

|  |  |  |
| --- | --- | --- |
| **Attribute Name** | **Field** | **Validation** |
| address type | textfield | Field should not be empty |
| country | textfield | Field should not be empty |
| state | textfield | Field should not be empty |
| city | textfield | Field should not be empty |
| street | textfield | Field should not be empty |
| street2 | textfield | Field should not be empty |
| pin code | textfield | Field should not be empty |

**Contact Management:**

|  |  |  |
| --- | --- | --- |
| **Attribute Name** | **Field** | **Validations** |
| First Name | textfield | Field should not be empty |
| Middle Name | textfield | Not mendatory |
| Last Name | textfield | Field should not be empty |
| Salutation | Dropdown | Field should not be empty |
| Display Name | textfield | Field should not be empty |
| contact no | textfield | Should be Integer,10 digits only, Should not be blank |
| alternate contact no | textfield | Field should not be empty |
| email id | textfield | Should not be blank, should be unique |
| department | textfield | Field should not be empty |
| designation | textfield | Field should not be empty |

**Account management:**

|  |  |  |
| --- | --- | --- |
| **Attribute Name** | **Field** | **Validation** |
| Account Name | Text field | Field should not be empty, should be integer |
| Account Number | Text field | Field should not be empty, should be unique |
| Account Source | Text field | Field should not be empty |
| Annual Revenue | Text field | Field should not be empty |
| Billing Address | Text field | Field should not be empty |
| Registered Address | Text field | Field should not be empty |
| Shipping Address | Text field | Field should not be empty |
| Industry | dropdown | Field should not be empty |
| NumberofEmployees | Text field | Field should not be empty |
| ParentAccountID | Text field | Field should not be empty |
| Website URL | Text field | Field should not be empty |
| Account Category | dropdown | Field should not be empty |
| Account Start Date | Text field | Field should not be empty |
| Account End Date | Text field | Field should not be empty |

**Opportunity management:**

|  |  |  |
| --- | --- | --- |
| **Attribute Name** | **Field** | **Validation** |
| Is Person or Company | Dropdown | Field should not be empty |
| First name | Text field | Field should not be empty |
| last name/company name | Text field | Field should not be empty |
| middle name | Text field | Field should not be empty |
| salutation | Dropdown | Field should not be empty |
| opportunity display Name | Text field | Field should not be empty |
| opportunity stage | dropdown +lookup call | Field should not be empty |
| opportunity Status | dropdown +lookupcall | Field should not be empty |
| Next opportunity Action | dropdown +lookupcall | Field should not be empty |
| Next opportunity Action Assigned To | Text field | Field should not be empty |
| Action Execution Status | dropdown +lookup call | Field should not be empty |
| Action Remarks | Text field | Field should not be empty |
| Opportunity Amount | Text field | Field should not be empty |
| Opportunity Closure Probablity | Text field | Field should not be empty |
| Is Quote Generated? | dropdown +lookup call | Field should not be empty |
| Quotation Number | Text field | Field should not be empty |
| Quotation Amount | Text field | Field should not be empty |
| Quotation Given By | Text field | Field should not be empty |
| Product | dropdown +lookup call | Field should not be empty |
| product description | Text field | Field should not be empty |
| quantity | Text field | Field should not be empty |
| unit price | Text field | Field should not be empty |
| discount amount | Text field | Field should not be empty |
| discount percentage | Text field | Field should not be empty |
| total price | Text field | Field should not be empty |

**Product Details:**

|  |  |  |
| --- | --- | --- |
| **Attribute Name** | **Field** | **Validations** |
| Product Name | Text field | Field should not be empty, should be unique |
| Product Category | Dropdown+ lookup call | Field should not be empty |
| Product Unit | Text field | Field should not be empty |
| Product Description | Text field | Field should not be empty |
| Product Code | Text field | Field should not be empty, unique |
| Product Min Quantity | Text field | Field should not be empty |

**Product Price Book:**

|  |  |  |
| --- | --- | --- |
| **Attribute Name** | **Field** | **Validation** |
| product name | Text field | Field should not be empty, unique |
| price start date | Text field | Field should not be empty |
| price end date | Text field | Field should not be empty |
| price start quantity | Text field | Field should not be empty |
| price end quantity | Text field | Field should not be empty |
| amount | Text field | Field should not be empty |

**Backend Script**

**ENV:**DEV

[DEV]

HOST=0.0.0.0

PORT= { Lead Management=9001

Account Management=9002

Contact management=9004

Opportunity Management=9001

Product Details=9005

Product Price Book= 9006

Assignment Rule=9007 } }

DEBUGMODE=False

DATABASE\_URL=postgresql://postgres:VJoQTI19gi0DGJ3sGYpH2O4rL@175.31.12.151/crm\_db\_dev

SERVICE\_URL=https://ep-thor-frontend.extrapreneurs-india.com/zuul/

PARTY\_TYPE=100

[DOCKER]

HOST=127.0.0.1

PORT={ Lead Management=9001

Account Management=9002

Contact management=9004

Opportunity Management=9001

Product Details=9005

Product Price Book= 9006

Assignment Rule=9007 }

DEBUGMODE=True

DATABASE\_URL=postgresql://postgres:root@localhost/pds\_db\_dev

SERVICE\_URL=https://ep-thor-frontend.extrapreneurs-india.com/zuul/

[PROD]

HOST=0.0.0.0

PORT={ Lead Management=9001

Account Management=9002

Contact management=9004

Opportunity Management=9001

Product Details=9005

Product Price Book= 9006

Assignment Rule=9007 }

DEBUGMODE=True

DATABASE\_URL=postgresql://postgres:VJoQTI19gi0DGJ3sGYpH2O4rL@175.31.12.151/crm\_db\_dev

SERVICE\_URL=https://ep-thor-frontend.extrapreneurs-india.com/zuul/

PARTY\_TYPE=100

**Payload of postman**

**Zuulurl :**https://ep-thor-frontend.extrapreneurs-india.com/zuul/

**THOR-CRM-Lead management:** <https://www.getpostman.com/collections/7be73a80afd7241a7077>

**Thor- API Method Name:** Add Lead

**Method:** POST

**URL:** ({zuulurl})/thor-crm-leadmanagement/api/v1/lead/add

**Request Payload:** {  
 "requestInfo": {  
 "applicationId": "11101",  
 "buId": "36",  
 "subBuId": "0",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "leadDetails": {   
   
 "firstName": "rakhi",  
 "lastName": "dhengre",  
 "middleName": "y",  
 "salutation": "mr",  
 "leadSource": 1001,  
 "leadRating": 12001,  
 "leadStage": 14003,  
 "nextLeadAction": 16001,  
 "nextLeadActionAssignedTo": "20",  
 "actionExecutionStatus": 15001,  
 "actionRemarks": "WIP",  
 "interestedProduct": "crm"  
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Lead information Added successfully ",  
 "responseObject": {  
 "leadId": 14,  
 "partyId": 1500,  
 "firstName": "rakhi",  
 "lastName": "dhengre",  
 "middleName": "y",  
 "salutation": "mr",  
 "leadDisplayName": "mr rakhi dhengre",  
 "leadSourceValue": "Facebook",  
 "leadRatingValues": "Hot",  
 "leadStageValues": "Opportunity",  
 "OwnerID": 1,  
 "leadStatus": true,  
 "leadCaptureDate": "2021-12-29T11:03:27",  
 "leadAssigneDate": "2021-12-29T11:03:27",  
 "leadAging": 0,  
 "leadLastContact": "2021-12-29T11:03:27",  
 "nextLeadActionValues": "Email",  
 "nextLeadActionAssignedTo": "20",  
 "nextLeadActionDate": "2021-12-29T11:03:27",  
 "actionExecutionStatus": "Scheduled",  
 "actionExecutionDate": "2021-12-29T11:03:27",  
 "actionRemarks": "WIP",  
 "interestedProduct": "crm"  
 },  
 "totalRecords": "",  
 "responseListObject": ""  
}

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "first name is not valid",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
}

**Thor- API Method Name:** Get Lead

**Method:** POST

**Request Parameter:** {{zuulurl}}/thor-crm-leadmanagement/api/v1/lead/get

**Request Payload:** {   
 "requestInfo": requestbody,  
 "requestBody": {  
 "leadId": " "  
 }  
 }

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Lead information retrived successfully ",  
 "responseObject": "",  
 "totalRecords": 1,  
 "responseListObject": [  
 {  
 "leadId": 5,  
 "partyId": 1500,  
 "firstName": "ANAND",  
 "lastName": "s",  
 "middleName": "kapoor",  
 "salutation": "mr",  
 "leadDisplayName": "mr ANAND s",  
 "leadSourceValue": "Facebook",  
 "leadSource": 1001,  
 "leadRatingValue": "Hot",  
 "leadRating": 12001,  
 "leadStageValue": "New",  
 "leadStage": 14001,  
 "OwnerID": 1,  
 "leadStatus": true,  
 "leadCaptureDate": "2021-12-09T15:23:40",  
 "leadAssigneDate": "2021-12-09T15:23:40",  
 "leadAging": 0,  
 "leadLastContact": "2021-12-09T15:23:40",  
 "nextLeadActionValue": "Email",  
 "nextLeadAction": 16001,  
 "nextLeadActionAssignedTo": "20",  
 "nextLeadActionDate": "2021-12-09T15:23:40",  
 "actionExecutionStatusValue": "Scheduled",  
 "actionExecutionStatus": 15001,  
 "actionExecutionDate": "2021-12-09T15:23:40",  
 "actionRemarks": "WIP",  
 "interestedProduct": "crm" } ]}

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "Lead Id is not valid",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
 }

**Thor- API Method Name:** Update Lead

**Method :** POST

**URL** : {{zuulurl}}/thor-crm-leadmanagement/api/v1/lead/update

**Request Payload:** {   
 "requestInfo": requestbody,  
 "leadDetails": {  
 "partyId":1500,  
 "leadId":"str",   
 "firstName": "sai",  
 "lastName": "green",  
 "middleName": "ross",  
 "salutation": "mr",  
 "leadSource": 1004,  
 "leadRating": 12002,  
 "leadStage": 14003,  
 "nextLeadAction": 16002,  
 "nextLeadActionAssignedTo": "20",  
 "actionExecutionStatus": 15002,  
 "actionRemarks": "WIP",  
 "interestedProduct": "crm"  
 }  
 }

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Lead information Updated successfully ",  
 "responseObject": {  
 "leadId": 15,  
 "partyId": 1500,  
 "firstName": "ram",  
 "lastName": "abc",  
 "middleName": "y",  
 "salutation": "mr",  
 "leadDisplayName": "mr ram abc",  
 "leadSourceValue": "Facebook",  
 "leadRatingValues": "Hot",  
 "leadStageValues": "Opportunity",  
 "OwnerID": 1,  
 "leadStatus": true,  
 "leadCaptureDate": "2022-01-05T14:53:55",  
 "leadAssigneDate": "2022-01-05T14:53:55",  
 "leadAging": 0,  
 "leadLastContact": "2022-01-05T14:53:55",  
 "nextLeadActionValues": "Email",  
 "nextLeadActionAssignedTo": "20",  
 "nextLeadActionDate": "2022-01-05T14:53:55",  
 "actionExecutionStatus": "Scheduled",  
 "actionExecutionDate": "2022-01-05T14:53:55",  
 "actionRemarks": "WIP",  
 "interestedProduct": "crm"  
 },  
 "totalRecords": "",  
 "responseListObject": ""  
 }

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "data is not valid",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
 }

**Thor- API Method Name:** Delete Lead

**Method:** POST

**Request Parameter:** lead Id

**URL:** {{zuulurl}}/thor-crm-leadmanagement/api/v1/lead/delete

**Request Payload:** {   
 "requestInfo": requestbody,  
 "requestBody": {   
 "leadId":"12"   
 }  
 }

**Success Response:**

{  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Lead information successfully deleted",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
 }

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "data is not valid",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
 }

**Thor- API Method Name:** Get All

**Method:** POST

**Request Parameter:** lead Id

**URL:** {{zuulurl}}/thor-crm-leadmanagement/api/v1/lead/get

**Request Payload:** {   
 "requestInfo": requestbody,  
 "requestBody": {  
 "leadId": " "  
 }  
 }

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Lead information retrived successfully ",  
 "responseObject": "",  
 "totalRecords": 1,  
 "responseListObject": [  
 {  
 "leadId": 5,  
 "partyId": 1500,  
 "firstName": "ANAND",  
 "lastName": "s",  
 "middleName": "kapoor",  
 "salutation": "mr",  
 "leadDisplayName": "mr ANAND s",  
 "leadSourceValue": "Facebook",  
 "leadSource": 1001,  
 "leadRatingValue": "Hot",  
 "leadRating": 12001,  
 "leadStageValue": "New",  
 "leadStage": 14001,  
 "OwnerID": 1,  
 "leadStatus": true,  
 "leadCaptureDate": "2021-12-09T15:23:40",  
 "leadAssigneDate": "2021-12-09T15:23:40",  
 "leadAging": 0,  
 "leadLastContact": "2021-12-09T15:23:40",  
 "nextLeadActionValue": "Email",  
 "nextLeadAction": 16001,  
 "nextLeadActionAssignedTo": "20",  
 "nextLeadActionDate": "2021-12-09T15:23:40",  
 "actionExecutionStatusValue": "Scheduled",  
 "actionExecutionStatus": 15001,  
 "actionExecutionDate": "2021-12-09T15:23:40",  
 "actionRemarks": "WIP",  
 "interestedProduct": "crm"  
 }  
   
 ]}

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "Lead Id is not valid",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
 }

**THOR-CRM-Contact management:**

**Postman Collection:** https://www.getpostman.com/collections/eecdd3a4245ac6fe68aa

**Thor- API Method Name:** Add Contact

**Method:** POST

**URL:** {{zuulurl}}/thor-crm-contactmanagement/api/v1/contact/add

**Request Payload:** {  
 "requestInfo": {  
 "applicationId": "11101",  
 "buId": "36",  
 "subBuId": "0",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
"contactDetails": {  
"firstName": "abc",  
"middleName": "a",  
"lastName":"xyz",  
"salutation":"miss",  
"contact":1010101010123,  
"alternateContact" :null,  
"emailId":"abc12d.com",  
"department":"IT",  
"designation":"Manager"  
  
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Contact information Added successfully",  
 "responseObject": {  
 "contactId": 13,  
 "firstName": "abc",  
 "lastName": "xyz",  
 "middleName": "a",  
 "salutation": "miss",  
 "leadDisplayName": "miss abc xyz",  
 "contact": 1010101010123,  
 "alternateContact": null,  
 "emailId": "abc12d.com",  
 "department": "IT",  
 "designation": "Manager",  
 "status": true  
 },  
 "totalRecords": 1,  
 "responseListObject": ""  
}

**Fail Response:**

{  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "Field is not valid",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
}

**Thor- API Method Name:** Get Contact

**Method:** POST

**Request Parameter:** contactId

**URL:** {{zuulurl}}/thor-crm-contactmanagement/api/v1/contact/get

**Request Payload:** {  
 "requestInfo": {  
 "applicationId": "11101",  
 "buId": "36",  
 "subBuId": "0",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "requestBody": {  
 "contactId":"3"  
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Contact information retrived successfully",  
 "responseObject": "",  
 "totalRecords": 1,  
 "responseListObject": [  
 {  
 "contactId": 3,  
 "firstName": "123",  
 "lastName": "jones",  
 "middleName": "a",  
 "salutation": "miss",  
 "leadDisplayName": "miss 123 jones",  
 "contact": 1010101010,  
 "alternateContact": 1010101010,  
 "emailId": "monica2@gmail.com",  
 "department": "IT",  
 "designation": "Manager",  
 "status": true  
 }  
 ]  
}

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "This email id already used, Please try another email id",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
}

**Thor- API Method Name:** Delete Contact

**Method:** POST

**URL:** {{zuulurl}}/thor-crm-contactmanagement/api/v1/contact/delete

**Request Payload:** {  
 "requestInfo": {  
 "applicationId": "11101",  
 "buId": "36",  
 "subBuId": "0",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
"requestBody": {  
"contactId":"2"  
}  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Contact information deleted successfully",  
 "responseObject": "",  
 "totalRecords": 1,  
 "responseListObject": ""  
}

**Fail Response:** {  
 "reasonCode": "404",  
 "status": "fail",  
 "reasonText": "contact id not present. Try another contact id",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
}

**Thor- API Method Name:** Update Contact

**Method:** POST

**URL:** {{zuulurl}}/thor-crm-contactmanagement/api/v1/contact/update

**Request Payload:** {  
 "requestInfo": {  
 "applicationId": "11101",  
 "buId": "36",  
 "subBuId": "0",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1212",  
 "token": "",  
 "jtitoken": ""  
 },  
"contactDetails": {  
"contactId":"2",  
"firstName":"tara",  
"middleName": "a",  
"lastName":"jones",  
"salutation":"miss",  
"partyId":1500,  
"contact":2020202020,  
"alternateContact" :null,  
"emailId":"monica4@gmail.com",  
"department":"IT",  
"designation":"Manager"  
  
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Contact information updated successfully",  
 "responseObject": {  
 "contactId": 2,  
 "firstName": "tara",  
 "lastName": "jones",  
 "middleName": "a",  
 "salutation": "miss",  
 "leadDisplayName": "miss tara jones",  
 "contact": 2020202020,  
 "alternateContact": null,  
 "emailId": "monica4@gmail.com",  
 "department": "IT",  
 "designation": "Manager",  
 "status": true  
 },  
 "totalRecords": 1,  
 "responseListObject": ""  
}

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "contact id not present. Try another contact id",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
}

**Thor- API Method Name:** Get All

**Method:** POST

**Request Parameter:** conatctId

**URL:** {{zuulurl}}/thor-crm-contactmanagement/api/v1/contact/get

**Request Payload:** {  
 "requestInfo": {  
 "applicationId": "11101",  
 "buId": "36",  
 "subBuId": "0",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "requestBody": {  
 "contactId":""  
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Contact information retrived successfully",  
 "responseObject": "",  
 "totalRecords": 12,  
 "responseListObject": [  
 {  
 "contactId": 3,  
 "firstName": "123",  
 "lastName": "jones",  
 "middleName": "a",  
 "salutation": "miss",  
 "leadDisplayName": "miss 123 jones",  
 "contact": 1010101010,  
 "alternateContact": 1010101010,  
 "emailId": "monica2@gmail.com",  
 "department": "IT",  
 "designation": "Manager",  
 "status": true  
 },  
 {  
 "contactId": 4,  
 "firstName": "tara",  
 "lastName": "jones",  
 "middleName": "a",  
 "salutation": "miss",  
 "leadDisplayName": "miss tara jones",  
 "contact": 2020202020,  
 "alternateContact": 1010101010,  
 "emailId": "monica4@gmail.com",  
 "department": "IT",  
 "designation": "Manager",  
 "status": true  
 },  
 {  
 "contactId": 5,  
 "firstName": "123",  
 "lastName": "jones",  
 "middleName": "a",  
 "salutation": "miss",  
 "leadDisplayName": "miss 123 jones",  
 "contact": 1010101010,  
 "alternateContact": null,  
 "emailId": "monica5@gmail.com",  
 "department": "IT",  
 "designation": "Manager",  
 "status": true  
 },  
 {  
 "contactId": 6,  
 "firstName": "123",  
 "lastName": "jones",  
 "middleName": "a",  
 "salutation": "miss",  
 "leadDisplayName": "miss 123 jones",  
 "contact": 1010101010,  
 "alternateContact": null,  
 "emailId": "monica6@gmail.com",  
 "department": "IT",  
 "designation": "Manager",  
 "status": true  
 },  
 {  
 "contactId": 2,  
 "firstName": "tara",  
 "lastName": "jones",  
 "middleName": "a",  
 "salutation": "miss",  
 "leadDisplayName": "miss tara jones",  
 "contact": 2020202020,  
 "alternateContact": null,  
 "emailId": "monica4@gmail.com",  
 "department": "IT",  
 "designation": "Manager",  
 "status": true  
 },  
 {  
 "contactId": 7,  
 "firstName": "abc",  
 "lastName": "xyz",  
 "middleName": "a",  
 "salutation": "miss",  
 "leadDisplayName": "miss abc xyz",  
 "contact": 1010101010,  
 "alternateContact": null,  
 "emailId": "abcdef.com",  
 "department": "IT",  
 "designation": "Manager",  
 "status": true  
 },  
 {  
 "contactId": 8,  
 "firstName": "abc",  
 "lastName": "xyz",  
 "middleName": "a",  
 "salutation": "miss",  
 "leadDisplayName": "miss abc xyz",  
 "contact": 101010101010,  
 "alternateContact": null,  
 "emailId": "abcdefbc.com",  
 "department": "IT",  
 "designation": "Manager",  
 "status": true  
 },  
 {  
 "contactId": 9,  
 "firstName": "abc",  
 "lastName": "xyz",  
 "middleName": "a",  
 "salutation": "miss",  
 "leadDisplayName": "miss abc xyz",  
 "contact": 1010101010101010,  
 "alternateContact": null,  
 "emailId": "abcdefbcbvc.com",  
 "department": "IT",  
 "designation": "Manager",  
 "status": true  
 },  
 {  
 "contactId": 10,  
 "firstName": "abc",  
 "lastName": "xyz",  
 "middleName": "a",  
 "salutation": "miss",  
 "leadDisplayName": "miss abc xyz",  
 "contact": 1010101010,  
 "alternateContact": null,  
 "emailId": "abcdefbcbvcvcvcv.com",  
 "department": "IT",  
 "designation": "Manager",  
 "status": true  
 },  
 {  
 "contactId": 11,  
 "firstName": "abc",  
 "lastName": "xyz",  
 "middleName": "a",  
 "salutation": "miss",  
 "leadDisplayName": "miss abc xyz",  
 "contact": 1010101010123,  
 "alternateContact": null,  
 "emailId": "abcdhfgd123.com",  
 "department": "IT",  
 "designation": "Manager",  
 "status": true  
 },  
 {  
 "contactId": 12,  
 "firstName": "abc",  
 "lastName": "xyz",  
 "middleName": "a",  
 "salutation": "miss",  
 "leadDisplayName": "miss abc xyz",  
 "contact": 1010101010123,  
 "alternateContact": null,  
 "emailId": "abcdhfgd123456.com",  
 "department": "IT",  
 "designation": "Manager",  
 "status": true  
 },  
 {  
 "contactId": 13,  
 "firstName": "abc",  
 "lastName": "xyz",  
 "middleName": "a",  
 "salutation": "miss",  
 "leadDisplayName": "miss abc xyz",  
 "contact": 1010101010123,  
 "alternateContact": null,  
 "emailId": "abc12d.com",  
 "department": "IT",  
 "designation": "Manager",  
 "status": true  
 }  
 ]  
}

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "Contact Id is not valid",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
}

**THOR-CRM-Account Management:**

**Postman Collection:** https://www.getpostman.com/collections/d4dcafde9fef1b9f2d7f

**Thor- API Method Name:** Add Account

**Method:** POST

**URL:** {{zuulurl}}/thor-crm-accountmanagement/api/v1/account/add

**Request Payload:** {  
 "requestInfo": {  
 "buId": "36",  
 "subBuId": "0",  
 "applicationId": "11101",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "accountDetails": {  
 "accountType": "123456",  
 "accountName": "vghd",  
 "accountNumber": "2345678",  
 "accountSource": "1002",  
 "annualRevenue": "1213445",  
 "billingAddress": "pune",  
 "registeredAddress": "pune",  
 "shippingAddress": "pune",  
 "industry": "18003",  
 "numberOfEmployees": "3000",  
 "ownerId": "1",  
 "parentAccountId": "2",  
 "websiteUrl": "abcd",  
 "accountCategory": "17002",  
 "accountStatus": "71001"  
   
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Account Information Added",  
 "responseObject": [  
 {  
 "accountId": 28,  
 "accountName": "sfghjkl",  
 "accountType": null,  
 "accountNumber": 2345678,  
 "accountSource": "Instagram",  
 "annualRevenue": "1213445",  
 "billingAddress": "pune",  
 "registeredAddress": "pune",  
 "shippingAddress": "pune",  
 "industry": "Computer",  
 "numberOfEmployees": 3000,  
 "owenerId": 1,  
 "parentAccountId": 2,  
 "websiteUrl": "abcd",  
 "accountCategory": "Gold",  
 "accountStatus": "Open",  
 "accountStartDate": "2022-01-10T09:59:01",  
 "accountEndDate": "2022-01-10T09:59:01"  
 }  
 ],  
 "totalRecords": 1,  
 "responseListObject": ""  
 }

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "account name already exist. try other account name",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
 }

**Thor- API Method Name:** Get Account

**Method:** POST

**Request Parameter:** accountId

**URL:** {{zuulurl}}/thor-crm-accountmanagement/api/v1/account/get

**Request Payload:** {  
 "requestInfo": {  
 "buId": "36",  
 "subBuId": "0",  
 "applicationId": "11101",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "accountDetails": {  
 "accountId": "23"  
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Account Information Given Below",  
 "responseObject": "",  
 "totalRecords": 1,  
 "responseListObject": [  
 {  
 "accountId": 23,  
 "accountTypeValue": "Saving",  
 "acoountType": 76002,  
 "accountName": "Kamraj",  
 "accountNumber": 50100325697,  
 "accountSourceValue": "Linkedin",  
 "accountSource": 1003,  
 "annualRevenues": "2563214",  
 "industryValue": "Aerospace",  
 "industry": 18001,  
 "numberOfEmployees": 12,  
 "owenerId": 1,  
 "parentAccountId": 1231,  
 "billingAddress": "Test colony,test Nagar Test",  
 "registeredAddress": "ghfdig",  
 "shippingAddress": "fghniftry",  
 "websiteUrl": "www.testindia.com",  
 "accountCategoryValue": "Silver",  
 "accountCategory": 17001,  
 "accountStatusValue": "Open",  
 "accountStatus": 71001,  
 "accountStartDate": "2021-12-09T05:04:40",  
 "accountEndDate": "2021-12-09T05:04:40"  
 }  
 ]  
 }

**Fail Response:** "{  
 ""reasonCode"": ""400"",  
 ""status"": ""fail"",  
 ""reasonText"": ""account id not present. Try another contact id"",  
 ""responseObject"": """",  
 ""totalRecords"": """",  
 ""responseListObject"": """"  
}"

**Thor- API Method Name:** Update Account

**Method:** POST

**URL:** {{zuulurl}}/thor-crm-accountmanagement/api/v1/account/update

**Request Payload:** {  
 "requestInfo": {  
 "buId": "36",  
 "subBuId": "0",  
 "applicationId": "11101",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "accountDetails": {  
 "accountType": "76001",  
 "accountId":18,  
 "accountName":"epii",  
 "accountNumber": "345222",  
 "accountSource": "1003",  
 "annualRevenue": "80000",  
 "billingAddress": "pune",  
 "registeredAddress": "pune",  
 "shippingAddress": "pune",  
 "industry": "18004",  
 "numberOfEmployees": "6000",  
 "ownerId": "1",  
 "parentAccountId": "12",  
 "websiteUrl": "esww.com",  
 "accountCategory": "17003",  
 "accountStatus": "71001"  
   
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Account Information Added",  
 "responseObject": [  
 {  
 "accountId": 28,  
 "accountName": "sfghjkl",  
 "accountType": null,  
 "accountNumber": 2345678,  
 "accountSource": "Instagram",  
 "annualRevenue": "1213445",  
 "billingAddress": "pune",  
 "registeredAddress": "pune",  
 "shippingAddress": "pune",  
 "industry": "Computer",  
 "numberOfEmployees": 3000,  
 "owenerId": 1,  
 "parentAccountId": 2,  
 "websiteUrl": "abcd",  
 "accountCategory": "Gold",  
 "accountStatus": "Open",  
 "accountStartDate": "2022-01-10T09:59:01",  
 "accountEndDate": "2022-01-10T09:59:01"  
 }  
 ],  
 "totalRecords": 1,  
 "responseListObject": ""  
 }

**Fail Response:** "{  
 ""reasonCode"": ""400"",  
 ""status"": ""fail"",  
 ""reasonText"": ""account id not present. Try another contact id"",  
 ""responseObject"": """",  
 ""totalRecords"": """",  
 ""responseListObject"": """"  
}"

**Thor- API Method Name:** Delete Account

**Method:** POST

**Request Parameter:** accountId

**URL:** {{zuulurl}}/thor-crm-accountmanagement/api/v1/account/delete

**Request Payload:** {  
 "requestInfo": {  
 "buId": "36",  
 "subBuId": "0",  
 "applicationId": "11101",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "accountDetails": {  
 "accountId": "15"  
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "account information successfully deleted",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
 }

**Fail Response:** "{  
 ""reasonCode"": ""400"",  
 ""status"": ""fail"",  
 ""reasonText"": ""account id not present. Try another contact id"",  
 ""responseObject"": """",  
 ""totalRecords"": """",  
 ""responseListObject"": """"  
}"

**Thor- API Method Name:** Get All

**Method:** POST

**URL:** {{zuulurl}}/thor-crm-accountmanagement/api/v1/account/get

**Request Payload:** {  
 "requestInfo": {  
 "buId": "36",  
 "subBuId": "0",  
 "applicationId": "11101",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "accountDetails": {  
 "accountType": "76001",  
 "accountId":18,  
 "accountName":"epii",  
 "accountNumber": "345222",  
 "accountSource": "1003",  
 "annualRevenue": "80000",  
 "billingAddress": "pune",  
 "registeredAddress": "pune",  
 "shippingAddress": "pune",  
 "industry": "18004",  
 "numberOfEmployees": "6000",  
 "ownerId": "1",  
 "parentAccountId": "12",  
 "websiteUrl": "esww.com",  
 "accountCategory": "17003",  
 "accountStatus": "71001"  
   
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Account Information Given Below",  
 "responseObject": "",  
 "totalRecords": 1,  
 "responseListObject": [  
 {  
 "accountId": 15,  
 "accountTypeValue": "Checkings",  
 "acoountType": 76001,  
 "accountName": "mitra",  
 "accountNumber": 789456,  
 "accountSourceValue": "Linkedin",  
 "accountSource": 1003,  
 "annualRevenues": "258963",  
 "industryValue": "Pharmaceutical",  
 "industry": 18008,  
 "numberOfEmployees": 254,  
 "owenerId": 1,  
 "parentAccountId": 3256,  
 "billingAddress": "mitra billing Address",  
 "registeredAddress": "mitra ragistred address",  
 "shippingAddress": "mitra shipping address",  
 "websiteUrl": "www.mitra.com",  
 "accountCategoryValue": "Platinum",  
 "accountCategory": 17003,  
 "accountStatusValue": "Open",  
 "accountStatus": 71001,  
 "accountStartDate": "2021-11-30T13:37:53",  
 "accountEndDate": "2021-11-30T13:37:53"  
 }  
   
 ]}

**Fail Response:** "{  
 ""reasonCode"": ""400"",  
 ""status"": ""fail"",  
 ""reasonText"": ""account id not present. Try another contact id"",  
 ""responseObject"": """",  
 ""totalRecords"": """",  
 ""responseListObject"": """"  
}"

**THOR-CRM-Product Management:**

**Postman Collection:** https://www.getpostman.com/collections/d4dcafde9fef1b9f2d7f

**Thor- API Method Name:** Add Product

**Method:** POST

**URL:** {{zuulurl}}/thor-crm-productmanagement/api/v1/product/add

**Request Payload:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Product Information Added",  
 "responseObject": {  
 "productId": 5,  
 "productName": "MI",  
 "productCategory": null,  
 "productUnit": "BAGS (BAG)",  
 "productDiscription": "smartphone",  
 "productCode": "jh123",  
 "productMinquantity": 1,  
 "productStatus": true,  
 "ownerId": 1  
 },  
 "totalRecords": 1,  
 "responseListObject": ""  
}

**Success Response:**

{  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Product Information Added",  
 "responseObject": {  
 "productId": 5,  
 "productName": "MI",  
 "productCategory": null,  
 "productUnit": "BAGS (BAG)",  
 "productDiscription": "smartphone",  
 "productCode": "jh123",  
 "productMinquantity": 1,  
 "productStatus": true,  
 "ownerId": 1  
 },  
 "totalRecords": 1,  
 "responseListObject": ""  
}

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "Field is not valid",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
}

**Thor- API Method Name:** Get Product

**Method:** POST

**URL:** [{{zuulurl}}/thor-crm-productmanagement/api/v1/product/get](http://127.0.0.1:8000/thor-crm-productmanagement/api/v1/product/get)

**Request Payload:** {  
 "requestInfo": {  
 "buId": "36",  
 "subBuId": "0",  
 "applicationId": "11101",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "productDetails": {  
 "productId": "2"  
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Product Information Given Below",  
 "responseObject": "",  
 "totalRecords": 1,  
 "responseListObject": [  
 {  
 "productId": 2,  
 "productName": "kitkat",  
 "productCategoryValue": null,  
 "productCategory": null,  
 "productUnitValue": "BAGS (BAG)",  
 "productUnit": 23001,  
 "productDiscription": "nhjmki",  
 "productCode": "sb1234",  
 "productMinQuantity": 1,  
 "productStatus": true,  
 "ownerId": 1  
 }  
 ]  
}

**Fail Response:**

{  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "product id not present. Try another product id",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
}

**Thor- API Method Name:** Update Product

**Method:** POST

**URL:** [{{zuulurl}}/thor-crm-productmanagement/api/v1/product/update](http://127.0.0.1:8000/thor-crm-productmanagement/api/v1/product/update)

**Request Payload:** {  
 "requestInfo": {  
 "buId": "36",  
 "subBuId": "0",  
 "applicationId": "11101",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "productDetails": {  
 "productId": "2",  
 "productName": "loms",  
 "productCategory": 19001,  
 "productUnit": 23002,  
 "productDiscription": "stringsfddfd",  
 "productCode": "sts",  
 "productMinQuantity": 40,  
 "ownerid": "7"  
 }  
}

**Success Response:**

{  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Product Information Updated",  
 "responseObject": {  
 "productId": 2,  
 "productName": "loms",  
 "productCategory": "Manufacturing",  
 "productUnit": "BOTTLES (BTL)",  
 "productDescription": "stringsfddfd",  
 "productCode": "sts",  
 "productMinQuantity": 40,  
 "productStatus": true,  
 "ownerId": 1  
 },  
 "totalRecords": 1,  
 "responseListObject": ""  
}

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "product id not present. Try another product id",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
}

**Thor- API Method Name:** Delete Product

**Method:** POST

**URL:** {{zuulurl}}/thor-crm-productmanagement/api/v1/product/delete

**Request Payload:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Product Information Deleted",  
 "responseObject": "",  
 "totalRecords": 1,  
 "responseListObject": ""  
}

**Success Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "product id is already deleted",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
}

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "product id not present. Try another product id",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
}

**Thor- API Method Name:** Get All

**Method:** POST

**URL:** [{{zuulurl}}/thor-crm-productmanagement/api/v1/product/get](http://127.0.0.1:8000/thor-crm-productmanagement/api/v1/product/get)

**Request Payload:** {  
 "requestInfo": {  
 "buId": "36",  
 "subBuId": "0",  
 "applicationId": "11101",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "productDetails": {  
 "productId": ""  
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Product Information Given Below",  
 "responseObject": "",  
 "totalRecords": 5,  
 "responseListObject": [  
 {  
 "productId": 2,  
 "productName": "kitkat",  
 "productCategoryValue": null,  
 "productCategory": null,  
 "productUnitValue": "BAGS (BAG)",  
 "productUnit": 23001,  
 "productDiscription": "nhjmki",  
 "productCode": "sb1234",  
 "productMinQuantity": 1,  
 "productStatus": true,  
 "ownerId": 1  
 },  
 {  
 "productId": 3,  
 "productName": "kite",  
 "productCategoryValue": null,  
 "productCategory": null,  
 "productUnitValue": "BAGS (BAG)",  
 "productUnit": 23001,  
 "productDiscription": "nhjmki",  
 "productCode": "sb123423",  
 "productMinQuantity": 1,  
 "productStatus": true,  
 "ownerId": 1  
 },  
 {  
 "productId": 1,  
 "productName": "loms",  
 "productCategoryValue": null,  
 "productCategory": null,  
 "productUnitValue": "BOTTLES (BTL)",  
 "productUnit": 23002,  
 "productDiscription": "stringsfddfd",  
 "productCode": "sts",  
 "productMinQuantity": 40,  
 "productStatus": true,  
 "ownerId": 1  
 },  
 {  
 "productId": 4,  
 "productName": "ki",  
 "productCategoryValue": null,  
 "productCategory": null,  
 "productUnitValue": "BAGS (BAG)",  
 "productUnit": 23001,  
 "productDiscription": "nhjmki",  
 "productCode": "jhggui",  
 "productMinQuantity": 1,  
 "productStatus": true,  
 "ownerId": 1  
 },  
 {  
 "productId": 5,  
 "productName": "MI",  
 "productCategoryValue": null,  
 "productCategory": null,  
 "productUnitValue": "BAGS (BAG)",  
 "productUnit": 23001,  
 "productDiscription": "smartphone",  
 "productCode": "jh123",  
 "productMinQuantity": 1,  
 "productStatus": true,  
 "ownerId": 1  
 }  
 ]  
}

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "product id not present. Try another product id",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
}

**THOR-CRM-Product Price Book:**

**Postman Collection:** https://www.getpostman.com/collections/5bb930151594f0b6e139

**Thor- API Method Name:** Add Product Price

**Method:** POST

**URL:** [{{zuulurl}}/thor-crm-productpricemanagement/api/v1/productprice/add](http://127.0.0.1:8000/thor-crm-productpricemanagement/api/v1/productprice/add)

**Request Payload:** {  
 "requestInfo": {  
 "buId": "36",  
 "subBuId": "0",  
 "applicationId": "11101",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "priceDetails": {  
 "productName": "fgdhs1213",  
 "priceStartQuantity": "1",  
 "priceEndQuantity": "2",  
 "amount": "100000",  
 "ownerId": "1"  
   
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Product Price Added",  
 "responseObject": {  
 "productPriceId": 3,  
 "productName": "fgdhs1213",  
 "priceStartDate": "2022-01-12T19:19:03",  
 "priceEndDate": "2022-01-12T19:19:03",  
 "priceStartQuantity": 1,  
 "priceEndQuantity": 2,  
 "amount": 100000,  
 "status": true,  
 "ownerId": 1  
 },  
 "totalRecords": 1,  
 "responseListObject": ""  
}

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "product nname already exist. try other product name",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
}

**Thor- API Method Name:** Get Product Price

**Method:** POST

**URL:** [{{zuulurl}}/thor-crm-productpricemanagement/api/v1/productprice/get](http://127.0.0.1:8000/thor-crm-productpricemanagement/api/v1/productprice/get)

**Request Payload:** {  
 "requestInfo": {  
 "buId": "36",  
 "subBuId": "0",  
 "applicationId": "11101",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "priceDetails": {  
 "productPriceId": "1"  
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Product price information given below",  
 "responseObject": "",  
 "totalRecords": 1,  
 "responseListObject": [  
 {  
 "productPriceId": 1,  
 "productName": "kioln",  
 "priceStatDate": "2021-12-13T15:54:19",  
 "priceEndDate": "2021-12-13T15:54:19",  
 "priceStartQuantity": 1,  
 "priceEndQuantity": 2,  
 "amount": 20000,  
 "productPriceStatus": true,  
 "ownerId": 1  
 }  
 ]  
}

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "product price id not present. Try another product price id",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
}

**Thor- API Method Name:** Update Product Price

**Method:** POST

**URL:** {{zuulurl}}/thor-crm-productpricemanagement/api/v1/productprice/update

**Request Payload:** {  
 "requestInfo": {  
 "buId": "1",  
 "subBuId": "0",  
 "applicationId": "11101",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "priceDetails": {  
 "productPriceId": "1",  
 "productName": "kioln",  
 "priceStartDate": "string",  
 "priceEndDate": "string",  
 "priceStartQuantity": "1",  
 "priceEndQuantity": "2",  
 "amount": "20000",  
 "productPriceStatus": "true",  
 "ownerId": "1"  
   
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Product price information updated",  
 "responseObject": {  
 "productPriceId": 1,  
 "productName": "kioln",  
 "priceStartDate": "2022-01-12T20:46:49",  
 "priceEndDate": "2022-01-12T20:46:49",  
 "priceStartQuantity": 1,  
 "priceEndQuantity": 2,  
 "amount": 20000,  
 "status": true,  
 "ownerId": 1  
 },  
 "totalRecords": 1,  
 "responseListObject": ""  
}

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "product price id not present. Try another product price id",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
}

**Thor- API Method Name:** Delete Product Price

**Method:** POST

**URL:** [{{zuulurl}}/thor-crm-productpricemanagement/api/v1/productprice/delete](http://127.0.0.1:8000/thor-crm-productpricemanagement/api/v1/productprice/delete)

**Request Payload:** {  
 "requestInfo": {  
 "buId": "36",  
 "subBuId": "0",  
 "applicationId": "11101",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "priceDetails": {  
 "productPriceId": "1"  
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Product price information deleted",  
 "responseObject": "",  
 "totalRecords": 1,  
 "responseListObject": ""  
}

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "product price id not present. Try another product price id",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
}

**Thor- API Method Name:** Get All

**Method:** POST

**URL:** [{{zuulurl}}/thor-crm-productpricemanagement/api/v1/productprice/get](http://127.0.0.1:8000/thor-crm-productpricemanagement/api/v1/productprice/get)

**Request Payload:** {  
 "requestInfo": {  
 "buId": "36",  
 "subBuId": "0",  
 "applicationId": "11101",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "priceDetails": {  
 "productPriceId": ""  
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "Product price information given below",  
 "responseObject": "",  
 "totalRecords": 3,  
 "responseListObject": [  
 {  
 "productPriceId": 1,  
 "productName": "kioln",  
 "priceStatDate": "2021-12-13T15:54:19",  
 "priceEndDate": "2021-12-13T15:54:19",  
 "priceStartQuantity": 1,  
 "priceEndQuantity": 2,  
 "amount": 20000,  
 "productPriceStatus": true,  
 "ownerId": 1  
 },  
 {  
 "productPriceId": 2,  
 "productName": "fgdhs",  
 "priceStatDate": "2022-01-11T18:18:00",  
 "priceEndDate": "2022-01-11T18:18:00",  
 "priceStartQuantity": 1,  
 "priceEndQuantity": 2,  
 "amount": 100000,  
 "productPriceStatus": true,  
 "ownerId": 1  
 },  
 {  
 "productPriceId": 3,  
 "productName": "fgdhs1213",  
 "priceStatDate": "2022-01-12T19:19:03",  
 "priceEndDate": "2022-01-12T19:19:03",  
 "priceStartQuantity": 1,  
 "priceEndQuantity": 2,  
 "amount": 100000,  
 "productPriceStatus": true,  
 "ownerId": 1  
 }  
 ]  
}

**Fail Response:** {  
 "reasonCode": "400",  
 "status": "fail",  
 "reasonText": "product price id not present. Try another product price id",  
 "responseObject": "",  
 "totalRecords": "",  
 "responseListObject": ""  
}

**THOR-CRM-Opportunity Management:**

**Postman Collection:** https://www.getpostman.com/collections/6efc213a1b0a4dd752b6

**Thor- API Method Name:** Add Opportunity

**Method:** POST

**URL:** {{zuulurl}}/thor-crm-opportunitymanagement/api/v1/product/add

**Request Payload:** {  
 "requestInfo": {  
 "applicationId": "11101",  
 "buId": "36",  
 "subBuId": "0",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "opportunityDetails": {  
 "opportunityType":null,  
 "firstName":"harry",  
 "lastName":"Potter",  
 "middleName":"James",  
 "salutation":"Mr.",   
 "opportunityStages":null,   
 "nextAction":null,  
 "nextActionAssignee":null,  
 "actionExecutionStatus":null,   
 "actionRemarks":"",  
 "opportunityAmount" :"",   
 "quotationNumber" : "",  
 "quotationAmount" : "",  
 "quotationGivenBy" : "",  
 "productId":"",  
 "productDescription": "",  
 "quantity": "",  
 "unitPrice" : "",  
 "discountAmount" : "",  
 "discountPercentage":"",  
 "contactId":"",  
 "accountId":""  
}  
}

**Success Response:** {  
 "reasonCode": " ",  
 "status": "success",  
 "reasonText": "opportunity information Added successfully ",  
 "responseObject": {  
 "opportunityType": null,  
 "opportunityId": 4,  
 "firstName": "harry",  
 "lastName": "Potter",  
 "middleName": "James",  
 "salutation": "Mr.",  
 "opportunityDisplayName": "Mr. harry Potter",  
 "opportunityStages": null,  
 "opportunityStatus": true,  
 "OwnerID": 1,  
 "opportunityCapturedat": "2022-01-13T15:26:56",  
 "opportunityAssignedat": "2022-01-13T15:26:56",  
 "opportunityAgingdays": 0,  
 "opportunityLastContact": 0,  
 "nextAction": null,  
 "nextActionAssignee": null,  
 "nextopportunityActionat": "2022-01-13T15:26:56",  
 "actionExecutionStatus": null,  
 "actionExecutionat": "2022-01-13T15:26:56",  
 "actionRemarks": "",  
 "opportunityAmount": "",  
 "opportunityClosureProbablity": "0",  
 "isQuoteGenerated": true,  
 "quotationNumber": "",  
 "quotationDate": "2022-01-13T15:26:56",  
 "quotationAmount": "",  
 "quotationGivenBy": "",  
 "productId": "",  
 "productDescription": "",  
 "quantity": "",  
 "unitPrice": "",  
 "discountAmount": "",  
 "discountPercentage": "",  
 "totalPrice": 0.0,  
 "contactId": "",  
 "accountId": ""  
 },  
 "totalRecords": 1,  
 "responseListObject": ""  
}

**Fail Response:** "{  
 ""reasonCode"": ""400"",  
 ""status"": ""fail"",  
 ""reasonText"": ""Field is not valid"",  
 ""responseObject"": """",  
 ""totalRecords"": """",  
 ""responseListObject"": """"  
}"

**Thor- API Method Name:** Get Opportunity

**Method:** POST

**URL:** {{zuulurl}}/thor-crm-opportunitymanagement/api/v1/product/get

**Request Payload:**   
{  
 "requestInfo": {  
 "applicationId": "11101",  
 "buId": "36",  
 "subBuId": "0",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "requestBody": {   
 "opportunityId":"1"  
   
 }  
}

**Success Response:** {  
 "reasonCode": " ",  
 "status": "success",  
 "reasonText": "opportunity information retrived successfully ",  
 "responseObject": "",  
 "totalRecords": 1,  
 "responseListObject": [  
 {  
 "opportunityTypeValue": null,  
 "opportunityType": null,  
 "opportunityId": 1,  
 "firstName": "harry",  
 "lastName": "Potter",  
 "middleName": "James",  
 "salutation": "Mr.",  
 "opportunityDisplayName": "Mr. harry Potter",  
 "opportunityStagesValue": "New",  
 "opportunityStages": 14001,  
 "opportunityStatus": true,  
 "OwnerID": 1,  
 "opportunityCapturedat": "2021-12-13T17:54:36",  
 "opportunityAssignedat": "2021-12-13T17:54:36",  
 "opportunityAgingdays": 0,  
 "opportunityLastContact": 0,  
 "nextActionValue": "Email",  
 "nextAction": 16001,  
 "nextActionAssignee": 20,  
 "nextopportunityActionat": "2021-12-13T17:54:36",  
 "actionExecutionStatusValue": "Scheduled",  
 "actionExecutionStatus": 15001,  
 "actionExecutionat": "2021-12-13T17:54:36",  
 "actionRemarks": "WIP",  
 "opportunityAmount": "14000",  
 "opportunityClosureProbablity": "0",  
 "isQuoteGenerated": true,  
 "quotationNumber": "10001",  
 "quotationDate": "2021-12-13T17:54:36",  
 "quotationAmount": "200000",  
 "quotationGivenBy": "10",  
 "productId": "1",  
 "productDescription": "custumer relation app",  
 "quantity": "",  
 "unitPrice": "",  
 "discountAmount": "",  
 "discountPercentage": "",  
 "totalPrice": 0.0,  
 "contactId": "1",  
 "accountId": "1"  
 }  
 ]  
}

**Fail Response:** "{  
 ""reasonCode"": ""400"",  
 ""status"": ""fail"",  
 ""reasonText"": ""Field is not valid"",  
 ""responseObject"": """",  
 ""totalRecords"": """",  
 ""responseListObject"": """"  
}"

**Thor- API Method Name:** Upadte Opportunity

**Method:** POST

**URL:** [{{zuulurl}}/thor-crm-opportunitymanagement/api/v1/product/update](http://127.0.0.1:8000/thor-crm-opportunitymanagement/api/v1/product/update)

**Request Payload:**

{  
 "requestInfo": {  
 "applicationId": "11101",  
 "buId": "36",  
 "subBuId": "0",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "opportunityDetails": {  
 "opportunityId":"1",  
 "opportunityType":null,  
 "firstName":"harry",  
 "lastName":"Potter",  
 "middleName":"James",  
 "salutation":"Mr.",   
 "opportunityStages":14001,   
 "nextAction":16001,  
 "nextActionAssignee":"20",  
 "actionExecutionStatus":15001,   
 "actionRemarks":"WIP",  
 "opportunityAmount" :"14000",   
 "quotationNumber" : "10001",  
 "quotationAmount" : "200000",  
 "quotationGivenBy" : "10",  
 "productId":"1",  
 "productDescription": "custumer relation app",  
 "quantity": "",  
 "unitPrice" : "",  
 "discountAmount" : "",  
 "discountPercentage":"",  
 "contactId":"1",  
 "accountId":"1"  
}  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "opportunity information updated successfully ",  
 "responseObject": {  
 "opportunityType": null,  
 "opportunityId": 1,  
 "firstName": "harry",  
 "lastName": "Potter",  
 "middleName": "James",  
 "salutation": "Mr.",  
 "opportunityDisplayName": "Mr. harry Potter",  
 "opportunityStages": "New",  
 "opportunityStatus": true,  
 "OwnerID": 1,  
 "opportunityCapturedat": "2022-01-13T15:29:59",  
 "opportunityAssignedat": "2022-01-13T15:29:59",  
 "opportunityAgingdays": 0,  
 "opportunityLastContact": 0,  
 "nextAction": "Email",  
 "nextActionAssignee": 20,  
 "nextopportunityActionat": "2022-01-13T15:29:59",  
 "actionExecutionStatus": "Scheduled",  
 "actionExecutionat": "2022-01-13T15:29:59",  
 "actionRemarks": "WIP",  
 "opportunityAmount": "14000",  
 "opportunityClosureProbablity": "0",  
 "isQuoteGenerated": true,  
 "quotationNumber": "10001",  
 "quotationDate": "2022-01-13T15:29:59",  
 "quotationAmount": "200000",  
 "quotationGivenBy": "10",  
 "productId": "1",  
 "productDescription": "custumer relation app",  
 "quantity": "",  
 "unitPrice": "",  
 "discountAmount": "",  
 "discountPercentage": "",  
 "totalPrice": 0.0,  
 "accountId": "1",  
 "contactId": "1"  
 },  
 "totalRecords": 1,  
 "responseListObject": ""  
}

**Fail Response:**

"{  
 ""reasonCode"": ""400"",  
 ""status"": ""fail"",  
 ""reasonText"": ""Field is not valid"",  
 ""responseObject"": """",  
 ""totalRecords"": """",  
 ""responseListObject"": """"  
}"

**Thor- API Method Name:** Delete Opportunity

**Method:** POST

**URL:** [{{zuulurl}}/thor-crm-opportunitymanagement/api/v1/product/delete](http://127.0.0.1:8000/thor-crm-opportunitymanagement/api/v1/product/delete)

**Request Payload:**   
{  
 "requestInfo": {  
 "applicationId": "11101",  
 "buId": "36",  
 "subBuId": "0",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "requestBody": {   
 "opportunityId":"1"  
   
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "opportunity information successfully deleted",  
 "responseObject": "",  
 "totalRecords": 1,  
 "responseListObject": ""  
}

**Fail Response:** "{  
 ""reasonCode"": ""400"",  
 ""status"": ""fail"",  
 ""reasonText"": ""Field is not valid"",  
 ""responseObject"": """",  
 ""totalRecords"": """",  
 ""responseListObject"": """"  
}"

**Thor- API Method Name:** Get All

**Method:** POST

**URL:** {{zuulurl}}/thor-crm-opportunitymanagement/api/v1/product/get

**Request Payload:**   
{  
 "requestInfo": {  
 "applicationId": "11101",  
 "buId": "36",  
 "subBuId": "0",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
 "requestBody": {   
 "opportunityId":""  
   
 }  
}

**Success Response:** {  
 "reasonCode": " ",  
 "status": "success",  
 "reasonText": "opportunity information retrived successfully ",  
 "responseObject": "",  
 "totalRecords": 4,  
 "responseListObject": [  
 {  
 "opportunityTypeValue": null,  
 "opportunityType": null,  
 "opportunityId": 1,  
 "firstName": "harry",  
 "lastName": "Potter",  
 "middleName": "James",  
 "salutation": "Mr.",  
 "opportunityDisplayName": "Mr. harry Potter",  
 "opportunityStagesValue": "New",  
 "opportunityStages": 14001,  
 "opportunityStatus": true,  
 "OwnerID": 1,  
 "opportunityCapturedat": "2021-12-13T17:54:36",  
 "opportunityAssignedat": "2021-12-13T17:54:36",  
 "opportunityAgingdays": 0,  
 "opportunityLastContact": 0,  
 "nextActionValue": "Email",  
 "nextAction": 16001,  
 "nextActionAssignee": 20,  
 "nextopportunityActionat": "2021-12-13T17:54:36",  
 "actionExecutionStatusValue": "Scheduled",  
 "actionExecutionStatus": 15001,  
 "actionExecutionat": "2021-12-13T17:54:36",  
 "actionRemarks": "WIP",  
 "opportunityAmount": "14000",  
 "opportunityClosureProbablity": "0",  
 "isQuoteGenerated": true,  
 "quotationNumber": "10001",  
 "quotationDate": "2021-12-13T17:54:36",  
 "quotationAmount": "200000",  
 "quotationGivenBy": "10",  
 "productId": "1",  
 "productDescription": "custumer relation app",  
 "quantity": "",  
 "unitPrice": "",  
 "discountAmount": "",  
 "discountPercentage": "",  
 "totalPrice": 0.0,  
 "contactId": "1",  
 "accountId": "1"  
 },  
 {  
 "opportunityTypeValue": null,  
 "opportunityType": null,  
 "opportunityId": 3,  
 "firstName": "harry",  
 "lastName": "Potter",  
 "middleName": "James",  
 "salutation": "Mr.",  
 "opportunityDisplayName": "Mr. harry Potter",  
 "opportunityStagesValue": null,  
 "opportunityStages": null,  
 "opportunityStatus": true,  
 "OwnerID": 1,  
 "opportunityCapturedat": "2022-01-12T11:36:40",  
 "opportunityAssignedat": "2022-01-12T11:36:40",  
 "opportunityAgingdays": 0,  
 "opportunityLastContact": 0,  
 "nextActionValue": null,  
 "nextAction": null,  
 "nextActionAssignee": null,  
 "nextopportunityActionat": "2022-01-12T11:36:40",  
 "actionExecutionStatusValue": null,  
 "actionExecutionStatus": null,  
 "actionExecutionat": "2022-01-12T11:36:40",  
 "actionRemarks": "",  
 "opportunityAmount": "",  
 "opportunityClosureProbablity": "0",  
 "isQuoteGenerated": true,  
 "quotationNumber": "",  
 "quotationDate": "2022-01-12T11:36:40",  
 "quotationAmount": "",  
 "quotationGivenBy": "",  
 "productId": "",  
 "productDescription": "",  
 "quantity": "",  
 "unitPrice": "",  
 "discountAmount": "",  
 "discountPercentage": "",  
 "totalPrice": 0.0,  
 "contactId": "",  
 "accountId": ""  
 },  
 {  
 "opportunityTypeValue": null,  
 "opportunityType": null,  
 "opportunityId": 2,  
 "firstName": "harry",  
 "lastName": "Potter",  
 "middleName": "James",  
 "salutation": "Mr.",  
 "opportunityDisplayName": "Mr. harry Potter",  
 "opportunityStagesValue": "New",  
 "opportunityStages": 14001,  
 "opportunityStatus": true,  
 "OwnerID": 1,  
 "opportunityCapturedat": "2022-01-12T12:36:25",  
 "opportunityAssignedat": "2022-01-12T12:36:25",  
 "opportunityAgingdays": 0,  
 "opportunityLastContact": 0,  
 "nextActionValue": "Email",  
 "nextAction": 16001,  
 "nextActionAssignee": 20,  
 "nextopportunityActionat": "2022-01-12T12:36:25",  
 "actionExecutionStatusValue": "Scheduled",  
 "actionExecutionStatus": 15001,  
 "actionExecutionat": "2022-01-12T12:36:25",  
 "actionRemarks": "WIP",  
 "opportunityAmount": "14000",  
 "opportunityClosureProbablity": "0",  
 "isQuoteGenerated": true,  
 "quotationNumber": "10001",  
 "quotationDate": "2022-01-12T12:36:25",  
 "quotationAmount": "200000",  
 "quotationGivenBy": "10",  
 "productId": "1",  
 "productDescription": "custumer relation app",  
 "quantity": "",  
 "unitPrice": "",  
 "discountAmount": "",  
 "discountPercentage": "",  
 "totalPrice": 0.0,  
 "contactId": "1",  
 "accountId": "1"  
 },  
 {  
 "opportunityTypeValue": null,  
 "opportunityType": null,  
 "opportunityId": 4,  
 "firstName": "harry",  
 "lastName": "Potter",  
 "middleName": "James",  
 "salutation": "Mr.",  
 "opportunityDisplayName": "Mr. harry Potter",  
 "opportunityStagesValue": null,  
 "opportunityStages": null,  
 "opportunityStatus": true,  
 "OwnerID": 1,  
 "opportunityCapturedat": "2022-01-13T15:26:56",  
 "opportunityAssignedat": "2022-01-13T15:26:56",  
 "opportunityAgingdays": 0,  
 "opportunityLastContact": 0,  
 "nextActionValue": null,  
 "nextAction": null,  
 "nextActionAssignee": null,  
 "nextopportunityActionat": "2022-01-13T15:26:56",  
 "actionExecutionStatusValue": null,  
 "actionExecutionStatus": null,  
 "actionExecutionat": "2022-01-13T15:26:56",  
 "actionRemarks": "",  
 "opportunityAmount": "",  
 "opportunityClosureProbablity": "0",  
 "isQuoteGenerated": true,  
 "quotationNumber": "",  
 "quotationDate": "2022-01-13T15:26:56",  
 "quotationAmount": "",  
 "quotationGivenBy": "",  
 "productId": "",  
 "productDescription": "",  
 "quantity": "",  
 "unitPrice": "",  
 "discountAmount": "",  
 "discountPercentage": "",  
 "totalPrice": 0.0,  
 "contactId": "",  
 "accountId": ""  
 }  
 ]  
}

**Fail Response:** "{  
 ""reasonCode"": ""400"",  
 ""status"": ""fail"",  
 ""reasonText"": ""Field is not valid"",  
 ""responseObject"": """",  
 ""totalRecords"": """",  
 ""responseListObject"": """"  
}"

**THOR-CRM-Assignment Rule:**

**Postman Collection:** https://www.getpostman.com/collections/b9cc335e47f40b2659e6

**Thor- API Method Name:** Add Rule

**Method:** POST

**URL:** [{{zuulurl}}/thor-crm-assignmentrule/api/v1/rule/add](http://127.0.0.1:8000/thor-crm-assignmentrule/api/v1/rule/add)

**Request Payload:** {  
 "requestInfo": {  
 "applicationId": "11101",  
 "buId": "36",  
 "subBuId": "0",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
"ruleDetails":{   
"ruleName":"abcf",  
"ruleSequence":"1",  
"conditionField":"10",  
"conditionValue":"1001",  
"outputField":"12",  
"outputValue":"12001"  
  
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "rule information Added successfully",  
 "responseObject": {  
 "ruleId": 1,  
 "ruleSequence": "1",  
 "ruleStatus": true,  
 "ownerId": 1,  
 "ruleLogic": {  
 "conditionField": "source",  
 "conditionValue": "Facebook",  
 "outputField": "ratings",  
 "outputValue": "Hot"  
 }  
 },  
 "totalRecords": 1,  
 "responseListObject": ""  
}

**Fail Response:** {  
  
 "reasonCode": "400",  
  
 "status": "fail",  
  
 "reasonText": "Field is not valid",  
  
 "responseObject": "",  
  
 "totalRecords": "",  
  
 "responseListObject": ""  
  
}

**Thor- API Method Name:** Get Rule

**Method:** POST

**URL:** [{{zuulurl}}/thor-crm-assignmentrule/api/v1/rule/update](http://127.0.0.1:8000/thor-crm-assignmentrule/api/v1/rule/update)

**Request Payload:** {  
 "requestInfo": {  
 "applicationId": "11101",  
 "buId": "36",  
 "subBuId": "0",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
"requestBody":{   
"ruleId":"1"  
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "rule information retrived successfully",  
 "responseObject": "",  
 "totalRecords": 1,  
 "responseListObject": [  
 {  
 "ruleId": 2,  
 "ruleName": "abcd",  
 "lastSequence": "1",  
 "status": true,  
 "ruleLogic": {  
 "conditionField": "source",  
 "conditionValue": "Instagram",  
 "outputField": "ratings",  
 "outputValue": "Hot"  
 }  
 }  
 ]  
}

**Fail Response:** "{  
 ""reasonCode"": ""400"",  
 ""status"": ""fail"",  
 ""reasonText"": ""rule id not present. Try another contact id"",  
 ""responseObject"": """",  
 ""totalRecords"": """",  
 ""responseListObject"": """"  
}"

**Thor- API Method Name:** Update Rule

**Method:** POST

**URL:** [{{zuulurl]}/thor-crm-assignmentrule/api/v1/rule/update](http://127.0.0.1:8000/thor-crm-assignmentrule/api/v1/rule/update)

**Request Payload:**   
{  
 "requestInfo": {  
 "applicationId": "11101",  
 "buId": "36",  
 "subBuId": "0",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
"ruleDetails":{   
"ruleId":"2",   
"ruleName":"abcd",  
"ruleSequence":"1",  
"conditionField":"10",  
"conditionValue":"1002",  
"outputField":"12",  
"outputValue":"12001"  
  
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "rule information updated successfully",  
 "responseObject": {  
 "ruleId": 2,  
 "ruleName": "abcd",  
 "ruleSequence": "1",  
 "ruleStatus": true,  
 "ruleLogic": {  
 "conditionField": "source",  
 "conditionValue": "Instagram",  
 "outputField": "ratings",  
 "outputValue": "Hot"  
 }  
 },  
 "totalRecords": 1,  
 "responseListObject": ""  
}

**Fail Response;** "{  
 ""reasonCode"": ""400"",  
 ""status"": ""fail"",  
 ""reasonText"": ""rule id not present. Try another contact id"",  
 ""responseObject"": """",  
 ""totalRecords"": """",  
 ""responseListObject"": """"  
}"

**Thor- API Method Name:** Delete Rule

**Method:** POST

**URL:** [{{zuulurl}}/thor-crm-assignmentrule/api/v1/rule/delete](http://127.0.0.1:8000/thor-crm-assignmentrule/api/v1/rule/delete)

**Request Payload:** {  
 "requestInfo": {  
 "applicationId": "11101",  
 "buId": "36",  
 "subBuId": "0",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
"requestBody":{   
"ruleId":"1"  
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "rule information deleted successfully",  
 "responseObject": "",  
 "totalRecords": 1,  
 "responseListObject": ""  
}

**Fail Response:** "{  
 ""reasonCode"": ""400"",  
 ""status"": ""fail"",  
 ""reasonText"": ""rule id not present. Try another contact id"",  
 ""responseObject"": """",  
 ""totalRecords"": """",  
 ""responseListObject"": """"  
}"

**Thor- API Method Name:** Get All

**Method:** POST

**URL:** [{{zuulurl}}/thor-crm-assignmentrule/api/v1/rule/get](http://127.0.0.1:8000/thor-crm-assignmentrule/api/v1/rule/get)

**Request Payload:** {  
 "requestInfo": {  
 "applicationId": "11101",  
 "buId": "36",  
 "subBuId": "0",  
 "action": "",  
 "issuer": "epi",  
 "userLogin": "mayur@gmail.com",  
 "environment": "dev",  
 "userId": "1",  
 "token": "",  
 "jtitoken": ""  
 },  
"requestBody":{   
"ruleId":""  
 }  
}

**Success Response:** {  
 "reasonCode": "200",  
 "status": "success",  
 "reasonText": "rule information retrived successfully",  
 "responseObject": "",  
 "totalRecords": 1,  
 "responseListObject": [  
 {  
 "ruleId": 1,  
 "ruleName": "ghth",  
 "lastSequence": "1",  
 "status": true,  
 "ruleLogic": {  
 "conditionField": "source",  
 "conditionValue": "Facebook",  
 "outputField": "ratings",  
 "outputValue": "Hot"  
 }  
 }  
 ]  
}

**Fail Response:** "{  
 ""reasonCode"": ""400"",  
 ""status"": ""fail"",  
 ""reasonText"": ""rule id not present. Try another contact id"",  
 ""responseObject"": """",  
 ""totalRecords"": """",  
 ""responseListObject"": """"  
}"

**Payloads for Validations**

Lead Management:

**Test\_add\_lead:**

#test for empty first name

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"firstName": "",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "First name is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty last name

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"firstName": "ram",

"lastName": "",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "last name is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty salutation

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "salutation is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty lead source

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": null,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "lead source is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty lead source rating

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": null,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "lead rating is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty lead stage

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": null,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "lead stage is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty next lead action

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": null,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "next lead action is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty next lead action assigned to

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "next lead action assigned to is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty acton execution status

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": null,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "action execution status is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty action remark

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "action remark is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty interested product

def test\_createlead\_empty\_interestedproducts(test\_app, monkeypatch):

Request=RequestInfo(requestbody)

lead=CustomerRelation(Request)

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "wip",

"interestedProduct": ""

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "interested product is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for adding lead

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Lead information Added successfully ",

"responseObject": {

"leadId": 15,

"partyId": 1500,

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadDisplayName": "mr ram abc",

"leadSourceValue": "Facebook",

"leadRatingValues": "Hot",

"leadStageValues": "Opportunity",

"OwnerID": 1,

"leadStatus": true,

"leadCaptureDate": "2022-01-05T14:53:55",

"leadAssigneDate": "2022-01-05T14:53:55",

"leadAging": 0,

"leadLastContact": "2022-01-05T14:53:55",

"nextLeadActionValues": "Email",

"nextLeadActionAssignedTo": "20",

"nextLeadActionDate": "2022-01-05T14:53:55",

"actionExecutionStatus": "Scheduled",

"actionExecutionDate": "2022-01-05T14:53:55",

"actionRemarks": "WIP",

"interestedProduct": "crm"

},

"totalRecords": "",

"responseListObject": ""

}

**test\_get\_lead:**

#test for input string lead id

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"leadId": "srt"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "Lead Id is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty lead id

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"leadId": ""

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Lead information retrived successfully ",

"responseObject": "",

"totalRecords": 1,

"responseListObject": [

{

"leadId": 5,

"partyId": 1500,

"firstName": "ANAND",

"lastName": "s",

"middleName": "kapoor",

"salutation": "mr",

"leadDisplayName": "mr ANAND s",

"leadSourceValue": "Facebook",

"leadSource": 1001,

"leadRatingValue": "Hot",

"leadRating": 12001,

"leadStageValue": "New",

"leadStage": 14001,

"OwnerID": 1,

"leadStatus": true,

"leadCaptureDate": "2021-12-09T15:23:40",

"leadAssigneDate": "2021-12-09T15:23:40",

"leadAging": 0,

"leadLastContact": "2021-12-09T15:23:40",

"nextLeadActionValue": "Email",

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"nextLeadActionDate": "2021-12-09T15:23:40",

"actionExecutionStatusValue": "Scheduled",

"actionExecutionStatus": 15001,

"actionExecutionDate": "2021-12-09T15:23:40",

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

]}

#test for input correct lead id

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"leadId": "5"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Lead information retrived successfully ",

"responseObject": "",

"totalRecords": 1,

"responseListObject": [

{

"leadId": 5,

"partyId": 1500,

"firstName": "ANAND",

"lastName": "s",

"middleName": "kapoor",

"salutation": "mr",

"leadDisplayName": "mr ANAND s",

"leadSourceValue": "Facebook",

"leadSource": 1001,

"leadRatingValue": "Hot",

"leadRating": 12001,

"leadStageValue": "New",

"leadStage": 14001,

"OwnerID": 1,

"leadStatus": true,

"leadCaptureDate": "2021-12-09T15:23:40",

"leadAssigneDate": "2021-12-09T15:23:40",

"leadAging": 0,

"leadLastContact": "2021-12-09T15:23:40",

"nextLeadActionValue": "Email",

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"nextLeadActionDate": "2021-12-09T15:23:40",

"actionExecutionStatusValue": "Scheduled",

"actionExecutionStatus": 15001,

"actionExecutionDate": "2021-12-09T15:23:40",

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

]

}

**test\_update\_lead:**

#test for non integer lead id

def test\_updatelead\_string\_leadid(test\_app, monkeypatch):

Request=RequestInfo(requestbody)

lead=CustomerRelation(Request)

test\_json = {

"requestInfo": requestbody,

"leadDetails": {

"partyId":1500,

"leadId":"str",

"firstName": "sai",

"lastName": "green",

"middleName": "ross",

"salutation": "mr",

"leadSource": 1004,

"leadRating": 12002,

"leadStage": 14003,

"nextLeadAction": 16002,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15002,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "data is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty first name

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"partyId":1500,

"leadId":"14",

"firstName": "",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "First name is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty last name

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"partyId":1500,

"leadId":"14",

"firstName": "ram",

"lastName": "",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "last name is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty salutation

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"partyId":1500,

"leadId":"14",

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "salutation is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty lead source

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"partyId":1500,

"leadId":"14",

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": null,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "lead source is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty lead source rating

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"partyId":1500,

"leadId":"14",

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": null,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "lead rating is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty lead stage

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"partyId":1500,

"leadId":"14",

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": null,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "lead stage is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty next lead action

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"partyId":1500,

"leadId":"14",

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": null,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "next lead action is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty next lead action assigned to

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"partyId":1500,

"leadId":"14",

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "next lead action assigned to is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty acton execution status

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"partyId":1500,

"leadId":"14",

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": null,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "action execution status is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty action remark

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"partyId":1500,

"leadId":"14",

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "action remark is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty interested product

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"partyId":1500,

"leadId":"14",

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "wip",

"interestedProduct": ""

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "interested product is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for updating lead

test\_json = {

"requestInfo": requestbody,

"userDetails":

{

"partyId":1500,

"leadId":"14",

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadSource": 1001,

"leadRating": 12001,

"leadStage": 14003,

"nextLeadAction": 16001,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15001,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Lead information Updated successfully ",

"responseObject": {

"leadId": 15,

"partyId": 1500,

"firstName": "ram",

"lastName": "abc",

"middleName": "y",

"salutation": "mr",

"leadDisplayName": "mr ram abc",

"leadSourceValue": "Facebook",

"leadRatingValues": "Hot",

"leadStageValues": "Opportunity",

"OwnerID": 1,

"leadStatus": true,

"leadCaptureDate": "2022-01-05T14:53:55",

"leadAssigneDate": "2022-01-05T14:53:55",

"leadAging": 0,

"leadLastContact": "2022-01-05T14:53:55",

"nextLeadActionValues": "Email",

"nextLeadActionAssignedTo": "20",

"nextLeadActionDate": "2022-01-05T14:53:55",

"actionExecutionStatus": "Scheduled",

"actionExecutionDate": "2022-01-05T14:53:55",

"actionRemarks": "WIP",

"interestedProduct": "crm"

},

"totalRecords": "",

"responseListObject": ""

}

#test for lead converted into opportunity:

test\_json = {

"requestInfo": requestbody,

"leadDetails": {

"partyId":1500,

"leadId":"15",

"firstName": "sai",

"lastName": "green",

"middleName": "ross",

"salutation": "mr",

"leadSource": 1004,

"leadRating": 12002,

"leadStage": 14003,

"nextLeadAction": 16002,

"nextLeadActionAssignedTo": "20",

"actionExecutionStatus": 15002,

"actionRemarks": "WIP",

"interestedProduct": "crm"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "add details in opportunity service",

"responseObject": 482,

"totalRecords": "",

"responseListObject": ""

}

**test\_delete\_lead:**

#test for non integer lead id

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"leadId":"fg"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "data is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for integer lead id

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"leadId":"12"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Lead information successfully deleted",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

**Contact Management:**

#test for repeated email id

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"firstName": 123,

"middleName": "a",

"lastName":"jones",

"salutation":"miss",

"contact":1010101010,

"alternateContact" :null,

"emailId":"monica6@gmail.com",

"department":"IT",

"designation":"Manager"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "This email id already used, Please try another email id",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty first name

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"firstName": "",

"middleName": "a",

"lastName":"jones",

"salutation":"miss",

"contact":1010101010,

"alternateContact" :null,

"emailId":"monica6@gmail.com",

"department":"IT",

"designation":"Manager"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "first name is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty last name

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"firstName": "abc",

"middleName": "a",

"lastName":"",

"salutation":"miss",

"contact":1010101010,

"alternateContact" :null,

"emailId":"monica2356@gmail.com",

"department":"IT",

"designation":"Manager"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "last name is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty salutation

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"firstName": "abc",

"middleName": "a",

"lastName":"xyz",

"salutation":"",

"contact":1010101010,

"alternateContact" :null,

"emailId":"monica2356@gmail.com",

"department":"IT",

"designation":"Manager"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "salutation is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty contact

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"firstName": "abc",

"middleName": "a",

"lastName":"xyz",

"salutation":"mr",

"contact":null,

"alternateContact" :null,

"emailId":"monica2356@gmail.com",

"department":"IT",

"designation":"Manager"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "contact is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty department

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"firstName": "abc",

"middleName": "a",

"lastName":"xyz",

"salutation":"miss",

"contact":1010101010,

"alternateContact" :null,

"emailId":"monica2356@gmail.com",

"department":"",

"designation":"Manager"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "departmentis not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty designation

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"firstName": "abc",

"middleName": "a",

"lastName":"xyz",

"salutation":"miss",

"contact":1010101010,

"alternateContact" :null,

"emailId":"monica2356@gmail.com",

"department":"IT",

"designation":""

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "designation is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty email id

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"firstName": "abc",

"middleName": "a",

"lastName":"xyz",

"salutation":"miss",

"contact":1010101010,

"alternateContact" :null,

"emailId":"",

"department":"IT",

"designation":"Manager"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "email id is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for create contact

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"firstName": "abc",

"middleName": "a",

"lastName":"xyz",

"salutation":"miss",

"contact":1010101010,

"alternateContact" :null,

"emailId":"abcdef.com",

"department":"IT",

"designation":"Manager"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Contact information Added successfully",

"responseObject": {

"contactId": 7,

"firstName": "abc",

"lastName": "xyz",

"middleName": "a",

"salutation": "miss",

"leadDisplayName": "miss abc xyz",

"contact": 1010101010,

"alternateContact": null,

"emailId": "abcdef.com",

"department": "IT",

"designation": "Manager",

"status": true

},

"totalRecords": 1,

"responseListObject": ""

}

**Test\_get\_contact:**

#test for input string contact id

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"contactId": "srt"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "contact Id is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty contact id

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"contactId": ""

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Contact information retrived successfully",

"responseObject": "",

"totalRecords": 1,

"responseListObject": [

{

"contactId": 3,

"firstName": "123",

"lastName": "jones",

"middleName": "a",

"salutation": "miss",

"leadDisplayName": "miss 123 jones",

"contact": 1010101010,

"alternateContact": 1010101010,

"emailId": "monica2@gmail.com",

"department": "IT",

"designation": "Manager",

"status": true

}

]}

#test for input correct contact id

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"contactId": "3"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Contact information retrived successfully",

"responseObject": "",

"totalRecords": 1,

"responseListObject": [

{

"contactId": 3,

"firstName": "123",

"lastName": "jones",

"middleName": "a",

"salutation": "miss",

"leadDisplayName": "miss 123 jones",

"contact": 1010101010,

"alternateContact": 1010101010,

"emailId": "monica2@gmail.com",

"department": "IT",

"designation": "Manager",

"status": true

}

]

}

**Test\_update\_contact:**

#test for repeated email id

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"firstName": 123,

"middleName": "a",

"lastName":"jones",

"salutation":"miss",

"contact":1010101010,

"alternateContact" :null,

"emailId":"monica6@gmail.com",

"department":"IT",

"designation":"Manager"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "This email id already used, Please try another email id",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty first name

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"contactId":"2",

"firstName": "",

"middleName": "a",

"lastName":"jones",

"salutation":"miss",

"contact":1010101010,

"alternateContact" :null,

"emailId":"monica6@gmail.com",

"department":"IT",

"designation":"Manager"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "first name is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty last name

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"contactId":"2",

"firstName": "abc",

"middleName": "a",

"lastName":"",

"salutation":"miss",

"contact":1010101010,

"alternateContact" :null,

"emailId":"monica2356@gmail.com",

"department":"IT",

"designation":"Manager"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "last name is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty salutation

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"contactId":"2",

"firstName": "abc",

"middleName": "a",

"lastName":"xyz",

"salutation":"",

"contact":1010101010,

"alternateContact" :null,

"emailId":"monica2356@gmail.com",

"department":"IT",

"designation":"Manager"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "salutation is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty contact

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"contactId":"2",

"firstName": "abc",

"middleName": "a",

"lastName":"xyz",

"salutation":"mr",

"contact":null,

"alternateContact" :null,

"emailId":"monica2356@gmail.com",

"department":"IT",

"designation":"Manager"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "contact is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty department

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"contactId":"2",

"firstName": "abc",

"middleName": "a",

"lastName":"xyz",

"salutation":"miss",

"contact":1010101010,

"alternateContact" :null,

"emailId":"monica2356@gmail.com",

"department":"",

"designation":"Manager"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "departmentis not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty designation

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"contactId":"2",

"firstName": "abc",

"middleName": "a",

"lastName":"xyz",

"salutation":"miss",

"contact":1010101010,

"alternateContact" :null,

"emailId":"monica2356@gmail.com",

"department":"IT",

"designation":""

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "designation is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty email id

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"contactId":"2",

"firstName": "abc",

"middleName": "a",

"lastName":"xyz",

"salutation":"miss",

"contact":1010101010,

"alternateContact" :null,

"emailId":"",

"department":"IT",

"designation":"Manager"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "email id is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for update contact

test\_json = {

"requestInfo": requestbody,

"contactDetails": {

"contactId":"2",

"firstName": "abc",

"middleName": "a",

"lastName":"xyz",

"salutation":"miss",

"contact":1010101010,

"alternateContact" :null,

"emailId":"abcdef.com",

"department":"IT",

"designation":"Manager"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Contact information updateed successfully",

"responseObject": {

"contactId": 7,

"firstName": "abc",

"lastName": "xyz",

"middleName": "a",

"salutation": "miss",

"leupdateisplayName": "miss abc xyz",

"contact": 1010101010,

"alternateContact": null,

"emailId": "abcdef.com",

"department": "IT",

"designation": "Manager",

"status": true

},

"totalRecords": 1,

"responseListObject": ""

}

**Test\_delete\_contact:**

#test for non integer contact id

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"contactId":"fg"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "Contact Id is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for integer contact id

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"contactId":"3"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "contact information successfully deleted",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

**Account Management:**

**Test\_add\_account:**

#test for acc name already exist

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountType": "76002",

"accountName": "epii",

"accountNumber": "1208795",

"accountSource": "1002",

"annualRevenue": "50000",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account name already exist. try other account name",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty acc type

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountType": "",

"accountName": "abcdefgh",

"accountNumber": "1208795",

"accountSource": "1002",

"annualRevenue": "50000",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account type is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for string acc type

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountType": "abcf",

"accountName": "abcdefgh",

"accountNumber": "1208795",

"accountSource": "1002",

"annualRevenue": "50000",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account type is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty acc name

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountType": "123456",

"accountName": "",

"accountNumber": "1208795",

"accountSource": "1002",

"annualRevenue": "50000",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account name cant be empty",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty account number

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "",

"accountSource": "1002",

"annualRevenue": "50000",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account number is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for string account number

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "abcd",

"accountSource": "1002",

"annualRevenue": "50000",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account number is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty account source

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "2345678",

"accountSource": "",

"annualRevenue": "50000",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account source is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty annual reveue

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "2345678",

"accountSource": "1002",

"annualRevenue": "",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "annual revenue is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty billing address

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "2345678",

"accountSource": "1002",

"annualRevenue": "1213445",

"billingAddress": "",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "billing address is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty shipping address

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "2345678",

"accountSource": "1002",

"annualRevenue": "1213445",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "shipping address is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty registered address

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "2345678",

"accountSource": "1002",

"annualRevenue": "1213445",

"billingAddress": "pune",

"registeredAddress": "",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "registered address is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty industry

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "2345678",

"accountSource": "1002",

"annualRevenue": "1213445",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "industry is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty account category

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "2345678",

"accountSource": "1002",

"annualRevenue": "1213445",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account category is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty account status

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "2345678",

"accountSource": "1002",

"annualRevenue": "1213445",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": ""

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account status is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for adding account

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountType": "123456",

"accountName": "sfghjkl",

"accountNumber": "2345678",

"accountSource": "1002",

"annualRevenue": "1213445",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "abcd",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Account Information Added",

"responseObject": [

{

"accountId": 28,

"accountName": "sfghjkl",

"accountType": null,

"accountNumber": 2345678,

"accountSource": "Instagram",

"annualRevenue": "1213445",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "Computer",

"numberOfEmployees": 3000,

"owenerId": 1,

"parentAccountId": 2,

"websiteUrl": "abcd",

"accountCategory": "Gold",

"accountStatus": "Open",

"accountStartDate": "2022-01-10T09:59:01",

"accountEndDate": "2022-01-10T09:59:01"

}

],

"totalRecords": 1,

"responseListObject": ""

}

**Test\_get\_account:**

#test for input string account id

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId": "abc"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account Id is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty account id

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId": ""

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Account Information Given Below",

"responseObject": "",

"totalRecords": 1,

"responseListObject": [

{

"accountId": 15,

"accountTypeValue": "Checkings",

"acoountType": 76001,

"accountName": "mitra",

"accountNumber": 789456,

"accountSourceValue": "Linkedin",

"accountSource": 1003,

"annualRevenues": "258963",

"industryValue": "Pharmaceutical",

"industry": 18008,

"numberOfEmployees": 254,

"owenerId": 1,

"parentAccountId": 3256,

"billingAddress": "mitra billing Address",

"registeredAddress": "mitra ragistred address",

"shippingAddress": "mitra shipping address",

"websiteUrl": "www.mitra.com",

"accountCategoryValue": "Platinum",

"accountCategory": 17003,

"accountStatusValue": "Open",

"accountStatus": 71001,

"accountStartDate": "2021-11-30T13:37:53",

"accountEndDate": "2021-11-30T13:37:53"

}

]}

#test for input correct account id

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId": "23"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Account Information Given Below",

"responseObject": "",

"totalRecords": 1,

"responseListObject": [

{

"accountId": 23,

"accountTypeValue": "Saving",

"acoountType": 76002,

"accountName": "Kamraj",

"accountNumber": 50100325697,

"accountSourceValue": "Linkedin",

"accountSource": 1003,

"annualRevenues": "2563214",

"industryValue": "Aerospace",

"industry": 18001,

"numberOfEmployees": 12,

"owenerId": 1,

"parentAccountId": 1231,

"billingAddress": "Test colony,test Nagar Test",

"registeredAddress": "ghfdig",

"shippingAddress": "fghniftry",

"websiteUrl": "www.testindia.com",

"accountCategoryValue": "Silver",

"accountCategory": 17001,

"accountStatusValue": "Open",

"accountStatus": 71001,

"accountStartDate": "2021-12-09T05:04:40",

"accountEndDate": "2021-12-09T05:04:40"

}

]

}

**Test\_Update\_account:**

#test for acc name already exist

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId":18,

"accountType": "76002",

"accountName": "epii",

"accountNumber": "1208795",

"accountSource": "1002",

"annualRevenue": "50000",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account name already exist. try other account name",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty acc type

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId":18,

"accountType": "",

"accountName": "abcdefgh",

"accountNumber": "1208795",

"accountSource": "1002",

"annualRevenue": "50000",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account type is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for string acc type

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId":18,

"accountType": "abcf",

"accountName": "abcdefgh",

"accountNumber": "1208795",

"accountSource": "1002",

"annualRevenue": "50000",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account type is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty acc name

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId":18,

"accountType": "123456",

"accountName": "",

"accountNumber": "1208795",

"accountSource": "1002",

"annualRevenue": "50000",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account name cant be empty",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty account number

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId":18,

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "",

"accountSource": "1002",

"annualRevenue": "50000",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account number is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for string account number

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId":18,

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "abcd",

"accountSource": "1002",

"annualRevenue": "50000",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account number is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty next account source

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId":18,

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "2345678",

"accountSource": "",

"annualRevenue": "50000",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account source is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty annual reveue

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId":18,

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "2345678",

"accountSource": "1002",

"annualRevenue": "",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "annual revenue is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty billing address

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId":18,

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "2345678",

"accountSource": "1002",

"annualRevenue": "1213445",

"billingAddress": "",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "billing address is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty shipping address

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId":18,

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "2345678",

"accountSource": "1002",

"annualRevenue": "1213445",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "shipping address is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty registered address

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId":18,

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "2345678",

"accountSource": "1002",

"annualRevenue": "1213445",

"billingAddress": "pune",

"registeredAddress": "",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "registered address is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty industry

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId":18,

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "2345678",

"accountSource": "1002",

"annualRevenue": "1213445",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "industry is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty account category

def test\_updateaccount\_empty\_accountcategory(test\_app, monkeypatch):

Request=RequestInfo(requestbody)

account=CustomerRelation(Request)

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId":18,

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "2345678",

"accountSource": "1002",

"annualRevenue": "1213445",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account category is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty account status

def test\_updateaccount\_empty\_accountstatus(test\_app, monkeypatch):

Request=RequestInfo(requestbody)

account=CustomerRelation(Request)

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId":18,

"accountType": "123456",

"accountName": "xyzsbfs",

"accountNumber": "2345678",

"accountSource": "1002",

"annualRevenue": "1213445",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "epi.com",

"accountCategory": "17002",

"accountStatus": ""

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "account status is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for updating account

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId":18,

"accountType": "123456",

"accountName": "sfghjkl",

"accountNumber": "2345678",

"accountSource": "1002",

"annualRevenue": "1213445",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "18003",

"numberOfEmployees": "3000",

"ownerId": "1",

"parentAccountId": "2",

"websiteUrl": "abcd",

"accountCategory": "17002",

"accountStatus": "71001"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Account Information Added",

"responseObject": [

{

"accountId": 28,

"accountName": "sfghjkl",

"accountType": null,

"accountNumber": 2345678,

"accountSource": "Instagram",

"annualRevenue": "1213445",

"billingAddress": "pune",

"registeredAddress": "pune",

"shippingAddress": "pune",

"industry": "Computer",

"numberOfEmployees": 3000,

"owenerId": 1,

"parentAccountId": 2,

"websiteUrl": "abcd",

"accountCategory": "Gold",

"accountStatus": "Open",

"accountStartDate": "2022-01-10T09:59:01",

"accountEndDate": "2022-01-10T09:59:01"

}

],

"totalRecords": 1,

"responseListObject": ""

}

**Test\_delete\_account:**

#test for non integer account id

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId": "abc"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "data is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for integer account id

test\_json = {

"requestInfo": requestbody,

"accountDetails": {

"accountId": "15"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "account information successfully deleted",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

**Opportunity Management:**

**Test\_add\_opportunity:**

#test for empty first name

test\_json = {

"requestInfo": requestbody,

"opportunityDetails": {

"opportunityType":22001,

"firstName":"",

"lastName":"Potter",

"middleName":"James",

"salutation":"Mr.",

"opportunityStages":null,

"nextAction":null,

"nextActionAssignee":null,

"actionExecutionStatus":null,

"actionRemarks":"",

"opportunityAmount" :"",

"quotationNumber" : "",

"quotationAmount" : "",

"quotationGivenBy" : "",

"productId":"",

"productDescription": "",

"quantity": "",

"unitPrice" : "",

"discountAmount" : "",

"discountPercentage":"",

"contactId":"",

"accountId":""

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "first name is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty last name

test\_json = {

"requestInfo": requestbody,

"opportunityDetails": {

"opportunityType":22001,

"firstName":"harry",

"lastName":"",

"middleName":"James",

"salutation":"Mr.",

"opportunityStages":null,

"nextAction":null,

"nextActionAssignee":null,

"actionExecutionStatus":null,

"actionRemarks":"",

"opportunityAmount" :"",

"quotationNumber" : "",

"quotationAmount" : "",

"quotationGivenBy" : "",

"productId":"",

"productDescription": "",

"quantity": "",

"unitPrice" : "",

"discountAmount" : "",

"discountPercentage":"",

"contactId":"",

"accountId":""

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "last name is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty salutation

test\_json = {

"requestInfo": requestbody,

"opportunityDetails": {

"opportunityType":22001,

"firstName":"harry",

"lastName":"Potter",

"middleName":"James",

"salutation":"",

"opportunityStages":null,

"nextAction":null,

"nextActionAssignee":null,

"actionExecutionStatus":null,

"actionRemarks":"",

"opportunityAmount" :"",

"quotationNumber" : "",

"quotationAmount" : "",

"quotationGivenBy" : "",

"productId":"",

"productDescription": "",

"quantity": "",

"unitPrice" : "",

"discountAmount" : "",

"discountPercentage":"",

"contactId":"",

"accountId":""

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "sautation is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for medatory fields

test\_json = {

"requestInfo": requestbody,

"opportunityDetails": {

"opportunityType":null,

"firstName":"harry",

"lastName":"Potter",

"middleName":"James",

"salutation":"Mr.",

"opportunityStages":null,

"nextAction":null,

"nextActionAssignee":null,

"actionExecutionStatus":null,

"actionRemarks":"",

"opportunityAmount" :"",

"quotationNumber" : "",

"quotationAmount" : "",

"quotationGivenBy" : "",

"productId":"",

"productDescription": "",

"quantity": "",

"unitPrice" : "",

"discountAmount" : "",

"discountPercentage":"",

"contactId":"",

"accountId":""

}

}

test\_response={

"reasonCode": " ",

"status": "success",

"reasonText": "opportunity information Added successfully ",

"responseObject": {

"opportunityType": null,

"opportunityId": 3,

"firstName": "harry",

"lastName": "Potter",

"middleName": "James",

"salutation": "Mr.",

"opportunityDisplayName": "Mr. harry Potter",

"opportunityStages": null,

"opportunityStatus": true,

"OwnerID": 1,

"opportunityCapturedat": "2022-01-12T11:36:40",

"opportunityAssignedat": "2022-01-12T11:36:40",

"opportunityAgingdays": 0,

"opportunityLastContact": 0,

"nextAction": null,

"nextActionAssignee": null,

"nextopportunityActionat": "2022-01-12T11:36:40",

"actionExecutionStatus": null,

"actionExecutionat": "2022-01-12T11:36:40",

"actionRemarks": "",

"opportunityAmount": "",

"opportunityClosureProbablity": "0",

"isQuoteGenerated": true,

"quotationNumber": "",

"quotationDate": "2022-01-12T11:36:40",

"quotationAmount": "",

"quotationGivenBy": "",

"productId": "",

"productDescription": "",

"quantity": "",

"unitPrice": "",

"discountAmount": "",

"discountPercentage": "",

"totalPrice": 0.0,

"contactId": "",

"accountId": ""

},

"totalRecords": 1,

"responseListObject": ""

}

**Test\_get\_opportunity:**

#test for input string opportunity id

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"opportunityId": "srt"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "opportunity Id is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty opportunity id

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"opportunityId": ""

}

}

test\_response={

"reasonCode": " ",

"status": "success",

"reasonText": "opportunity information retrived successfully ",

"responseObject": "",

"totalRecords": 3,

"responseListObject": [

{

"opportunityTypeValue": null,

"opportunityType": null,

"opportunityId": 1,

"firstName": "harry",

"lastName": "Potter",

"middleName": "James",

"salutation": "Mr.",

"opportunityDisplayName": "Mr. harry Potter",

"opportunityStagesValue": "New",

"opportunityStages": 14001,

"opportunityStatus": true,

"OwnerID": 1,

"opportunityCapturedat": "2021-12-13T17:54:36",

"opportunityAssignedat": "2021-12-13T17:54:36",

"opportunityAgingdays": 0,

"opportunityLastContact": 0,

"nextActionValue": "Email",

"nextAction": 16001,

"nextActionAssignee": 20,

"nextopportunityActionat": "2021-12-13T17:54:36",

"actionExecutionStatusValue": "Scheduled",

"actionExecutionStatus": 15001,

"actionExecutionat": "2021-12-13T17:54:36",

"actionRemarks": "WIP",

"opportunityAmount": "14000",

"opportunityClosureProbablity": "0",

"isQuoteGenerated": true,

"quotationNumber": "10001",

"quotationDate": "2021-12-13T17:54:36",

"quotationAmount": "200000",

"quotationGivenBy": "10",

"productId": "1",

"productDescription": "custumer relation app",

"quantity": "",

"unitPrice": "",

"discountAmount": "",

"discountPercentage": "",

"totalPrice": 0.0,

"contactId": "1",

"accountId": "1"

}

]}

#test for input correct opportunity id

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"opportunityId": "1"

}

}

test\_response={

"reasonCode": " ",

"status": "success",

"reasonText": "opportunity information retrived successfully ",

"responseObject": "",

"totalRecords": 1,

"responseListObject": [

{

"opportunityTypeValue": null,

"opportunityType": null,

"opportunityId": 1,

"firstName": "harry",

"lastName": "Potter",

"middleName": "James",

"salutation": "Mr.",

"opportunityDisplayName": "Mr. harry Potter",

"opportunityStagesValue": "New",

"opportunityStages": 14001,

"opportunityStatus": true,

"OwnerID": 1,

"opportunityCapturedat": "2021-12-13T17:54:36",

"opportunityAssignedat": "2021-12-13T17:54:36",

"opportunityAgingdays": 0,

"opportunityLastContact": 0,

"nextActionValue": "Email",

"nextAction": 16001,

"nextActionAssignee": 20,

"nextopportunityActionat": "2021-12-13T17:54:36",

"actionExecutionStatusValue": "Scheduled",

"actionExecutionStatus": 15001,

"actionExecutionat": "2021-12-13T17:54:36",

"actionRemarks": "WIP",

"opportunityAmount": "14000",

"opportunityClosureProbablity": "0",

"isQuoteGenerated": true,

"quotationNumber": "10001",

"quotationDate": "2021-12-13T17:54:36",

"quotationAmount": "200000",

"quotationGivenBy": "10",

"productId": "1",

"productDescription": "custumer relation app",

"quantity": "",

"unitPrice": "",

"discountAmount": "",

"discountPercentage": "",

"totalPrice": 0.0,

"contactId": "1",

"accountId": "1"

}

]

}

**Test\_update\_opportunity:**

#test for empty first name

test\_json = {

"requestInfo": requestbody,

"opportunityDetails": {

"opportunityId":"2",

"opportunityType":22001,

"firstName":"",

"lastName":"Potter",

"middleName":"James",

"salutation":"Mr.",

"opportunityStages":null,

"nextAction":null,

"nextActionAssignee":null,

"actionExecutionStatus":null,

"actionRemarks":"",

"opportunityAmount" :"",

"quotationNumber" : "",

"quotationAmount" : "",

"quotationGivenBy" : "",

"productId":"",

"productDescription": "",

"quantity": "",

"unitPrice" : "",

"discountAmount" : "",

"discountPercentage":"",

"contactId":"",

"accountId":""

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "first name is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty last name

test\_json = {

"requestInfo": requestbody,

"opportunityDetails": {

"opportunityId":"2",

"opportunityType":22001,

"firstName":"harry",

"lastName":"",

"middleName":"James",

"salutation":"Mr.",

"opportunityStages":null,

"nextAction":null,

"nextActionAssignee":null,

"actionExecutionStatus":null,

"actionRemarks":"",

"opportunityAmount" :"",

"quotationNumber" : "",

"quotationAmount" : "",

"quotationGivenBy" : "",

"productId":"",

"productDescription": "",

"quantity": "",

"unitPrice" : "",

"discountAmount" : "",

"discountPercentage":"",

"contactId":"",

"accountId":""

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "last name is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty salutation

test\_json = {

"requestInfo": requestbody,

"opportunityDetails": {

"opportunityId":"2",

"opportunityType":22001,

"firstName":"harry",

"lastName":"Potter",

"middleName":"James",

"salutation":"",

"opportunityStages":null,

"nextAction":null,

"nextActionAssignee":null,

"actionExecutionStatus":null,

"actionRemarks":"",

"opportunityAmount" :"",

"quotationNumber" : "",

"quotationAmount" : "",

"quotationGivenBy" : "",

"productId":"",

"productDescription": "",

"quantity": "",

"unitPrice" : "",

"discountAmount" : "",

"discountPercentage":"",

"contactId":"",

"accountId":""

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "sautation is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for medatory fields

test\_json = {

"requestInfo": requestbody,

"opportunityDetails": {

"opportunityId":"2",

"opportunityType":null,

"firstName":"harry",

"lastName":"Potter",

"middleName":"James",

"salutation":"Mr.",

"opportunityStages":null,

"nextAction":null,

"nextActionAssignee":null,

"actionExecutionStatus":null,

"actionRemarks":"",

"opportunityAmount" :"",

"quotationNumber" : "",

"quotationAmount" : "",

"quotationGivenBy" : "",

"productId":"",

"productDescription": "",

"quantity": "",

"unitPrice" : "",

"discountAmount" : "",

"discountPercentage":"",

"contactId":"",

"accountId":""

}

}

test\_response={

"reasonCode": " ",

"status": "success",

"reasonText": "opportunity information updateed successfully ",

"responseObject": {

"opportunityType": null,

"opportunityId": 3,

"firstName": "harry",

"lastName": "Potter",

"middleName": "James",

"salutation": "Mr.",

"opportunityDisplayName": "Mr. harry Potter",

"opportunityStages": null,

"opportunityStatus": true,

"OwnerID": 1,

"opportunityCapturedat": "2022-01-12T11:36:40",

"opportunityAssignedat": "2022-01-12T11:36:40",

"opportunityAgingdays": 0,

"opportunityLastContact": 0,

"nextAction": null,

"nextActionAssignee": null,

"nextopportunityActionat": "2022-01-12T11:36:40",

"actionExecutionStatus": null,

"actionExecutionat": "2022-01-12T11:36:40",

"actionRemarks": "",

"opportunityAmount": "",

"opportunityClosureProbablity": "0",

"isQuoteGenerated": true,

"quotationNumber": "",

"quotationDate": "2022-01-12T11:36:40",

"quotationAmount": "",

"quotationGivenBy": "",

"productId": "",

"productDescription": "",

"quantity": "",

"unitPrice": "",

"discountAmount": "",

"discountPercentage": "",

"totalPrice": 0.0,

"contactId": "",

"accountId": ""

},

"totalRecords": 1,

"responseListObject": ""

}

**Test\_delete\_opportuity:**

#test for non integer opportunity id

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"opportunityId":"fg"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "data is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for integer opportunity id

opportunity=CustomerRelation(Request)

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"opportunityId":"12"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "opportunity information successfully deleted",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

**Product Management:**

**Test\_add\_product:**

#test for empty product name

test\_json = {

"requestInfo": requestbody,

"productDetails": {

"productName": "",

"productCategory": null,

"productUnit": 23001,

"productDiscription": "nhjmki",

"productCode": "jh12",

"productMinQuantity": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "product name is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for unique product name

test\_json = {

"requestInfo": requestbody,

"productDetails": {

"productName": "nivia",

"productCategory": null,

"productUnit": 23001,

"productDiscription": "",

"productCode": "jh123",

"productMinQuantity": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "product name already exist. try other product name",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for unique product code

test\_json = {

"requestInfo": requestbody,

"productDetails": {

"productName": "nivia",

"productCategory": null,

"productUnit": 23001,

"productDiscription": "new",

"productCode": "jh123",

"productMinQuantity": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "product code already exist. try other product name",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty product description

test\_json = {

"requestInfo": requestbody,

"productDetails": {

"productName": "nivia",

"productCategory": null,

"productUnit": 23001,

"productDiscription": "",

"productCode": "jh12",

"productMinQuantity": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "product description is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty product code

test\_json = {

"requestInfo": requestbody,

"productDetails": {

"productName": "",

"productCategory": null,

"productUnit": 23001,

"productDiscription": "nhjmki",

"productCode": "",

"productMinQuantity": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "product code is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty product min quantity

test\_json = {

"requestInfo": requestbody,

"productDetails": {

"productName": "nivia",

"productCategory": null,

"productUnit": 23001,

"productDiscription": "nhjmki",

"productCode": "jh12",

"productMinQuantity": ""

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "product min quantiy is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for adding product

test\_json = {

"requestInfo": requestbody,

"productDetails": {

"productName": "MI",

"productCategory": null,

"productUnit": 23001,

"productDiscription": "smartphone",

"productCode": "jh123",

"productMinQuantity": "1"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Product Information Added",

"responseObject": {

"productId": 8,

"productName": "MI",

"productCategory": null,

"productUnit": "BAGS (BAG)",

"productDiscription": "smartphone",

"productCode": "jh123",

"productMinquantity": 1,

"productStatus": true,

"ownerId": 1

},

"totalRecords": 1,

"responseListObject": ""

}

**Test\_get\_product:**

#test for input string product id

test\_json = {

"requestInfo": requestbody,

"productDetails": {

"productId": "srt"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "product Id is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty product id

test\_json = {

"requestInfo": requestbody,

"productDetails": {

"productId": ""

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Product Information Given Below",

"responseObject": "",

"totalRecords": 1,

"responseListObject": [

{

"productId": 2,

"productName": "hp",

"productCategoryValue": "Manufacturing",

"productCategory": 19001,

"productUnitValue": "BAGS (BAG)",

"productUnit": 23001,

"productDiscription": "bags are unique",

"productCode": "hp123",

"productMinQuantity": 1,

"productStatus": true,

"ownerId": 1

}

]}

#test for input correct product id

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"productId": "2"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Product Information Given Below",

"responseObject": "",

"totalRecords": 1,

"responseListObject": [

{

"productId": 2,

"productName": "hp",

"productCategoryValue": "Manufacturing",

"productCategory": 19001,

"productUnitValue": "BAGS (BAG)",

"productUnit": 23001,

"productDiscription": "bags are unique",

"productCode": "hp123",

"productMinQuantity": 1,

"productStatus": true,

"ownerId": 1

}

]

}

**Test\_update\_product**:

#test for empty product name

test\_json = {

"requestInfo": requestbody,

"productDetails": {

"productId": "2",

"productName": "",

"productCategory": null,

"productUnit": 23001,

"productDiscription": "nhjmki",

"productCode": "jh12",

"productMinQuantity": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "product name is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for unique product name

"requestInfo": requestbody,

"productDetails": {

"productId": "2",

"productName": "nivia",

"productCategory": null,

"productUnit": 23001,

"productDiscription": "",

"productCode": "jh123",

"productMinQuantity": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "product name already exist. try other product name",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for unique product code

test\_json = {

"requestInfo": requestbody,

"productDetails": {

"productId": "2",

"productName": "nivia",

"productCategory": null,

"productUnit": 23001,

"productDiscription": "new",

"productCode": "jh123",

"productMinQuantity": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "product code already exist. try other product name",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty product description

test\_json = {

"requestInfo": requestbody,

"productDetails": {

"productId": "2",

"productName": "nivia",

"productCategory": null,

"productUnit": 23001,

"productDiscription": "",

"productCode": "jh12",

"productMinQuantity": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "product description is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty product code

test\_json = {

"requestInfo": requestbody,

"productDetails": {

"productName": "",

"productCategory": null,

"productUnit": 23001,

"productDiscription": "nhjmki",

"productCode": "",

"productMinQuantity": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "product code is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty product min quantity

test\_json = {

"requestInfo": requestbody,

"productDetails": {

"productId": "2",

"productName": "nivia",

"productCategory": null,

"productUnit": 23001,

"productDiscription": "nhjmki",

"productCode": "jh12",

"productMinQuantity": ""

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "product min quantiy is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for updateing product

test\_json = {

"requestInfo": requestbody,

"productDetails": {

"productId": "2",

"productName": "MI",

"productCategory": null,

"productUnit": 23001,

"productDiscription": "smartphone",

"productCode": "jh123",

"productMinQuantity": "1"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Product Information updateed",

"responseObject": {

"productId": 8,

"productName": "MI",

"productCategory": null,

"productUnit": "BAGS (BAG)",

"productDiscription": "smartphone",

"productCode": "jh123",

"productMinquantity": 1,

"productStatus": true,

"ownerId": 1

},

"totalRecords": 1,

"responseListObject": ""

}

**Test\_delete\_product:**

#test for non integer product id

test\_json = {

"requestInfo": requestbody,

"productDetails": {

"productId":"fg"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "data is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for integer product id

test\_json = {

"requestInfo": requestbody,

"productDetails": {

"productId":"8"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "product information successfully deleted",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

**Product Price Book:**

**Test\_add\_product\_price:**

#test for empty product name

test\_json = {

"requestInfo": requestbody,

"priceDetails": {

"productName": "",

"priceStartQuantity": "2",

"priceEndQuantity": "10",

"amount": "10000",

"ownerId": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "Product name is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty price start quantity

test\_json = {

"requestInfo": requestbody,

"priceDetails": {

"productName": "fgdhs",

"priceStartQuantity": "",

"priceEndQuantity": "10",

"amount": "10000",

"ownerId": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "Price Start Quantity is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty price end quantity

test\_json = {

"requestInfo": requestbody,

"priceDetails": {

"productName": "fgdhs",

"priceStartQuantity": "1",

"priceEndQuantity": "",

"amount": "10000",

"ownerId": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "Price end Quantity is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty amount

test\_json = {

"requestInfo": requestbody,

"priceDetails": {

"productName": "fgdhs",

"priceStartQuantity": "1",

"priceEndQuantity": "10",

"amount": "",

"ownerId": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "amount should be number",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for unique product name

test\_json = {

"requestInfo": requestbody,

"priceDetails": {

"productName": "fgdhs",

"priceStartQuantity": "1",

"priceEndQuantity": "10",

"amount": "10000",

"ownerId": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "product nname already exist. try other product name",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for adding productprice

test\_json = {

"requestInfo": requestbody,

"priceDetails": {

"productName": "fgdhs",

"priceStartQuantity": "1",

"priceEndQuantity": "2",

"amount": "100000",

"ownerId": "1"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Product Price Added",

"responseObject": {

"productPriceId": 2,

"productName": "fgdhs",

"priceStartDate": "2022-01-11T18:18:00",

"priceEndDate": "2022-01-11T18:18:00",

"priceStartQuantity": 1,

"priceEndQuantity": 2,

"amount": 100000,

"status": true,

"ownerId": 1

},

"totalRecords": 1,

"responseListObject": ""

}

**Test\_get\_product\_price:**

#test for input string productpirce id

test\_json = {

"requestInfo": requestbody,

"priceDetails": {

"productPriceId": ""

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "product price Id is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty productpirce id

test\_json = {

"requestInfo": requestbody,

"priceDetails": {

"productPriceId": ""

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Product price information given below",

"responseObject": "",

"totalRecords": 2,

"responseListObject": [

{

"productPriceId": 1,

"productName": "kioln",

"priceStatDate": "2021-12-13T15:54:19",

"priceEndDate": "2021-12-13T15:54:19",

"priceStartQuantity": 1,

"priceEndQuantity": 2,

"amount": 20000,

"productPriceStatus": true,

"ownerId": 1

},

{

"productPriceId": 2,

"productName": "fgdhs",

"priceStatDate": "2022-01-11T18:18:00",

"priceEndDate": "2022-01-11T18:18:00",

"priceStartQuantity": 1,

"priceEndQuantity": 2,

"amount": 100000,

"productPriceStatus": true,

"ownerId": 1

}

]

}

#test for input correct productpirce id

test\_json = {

"requestInfo": requestbody,

"priceDetails": {

"productPriceId": "2"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Product price information given below",

"responseObject": "",

"totalRecords": 1,

"responseListObject": [

{

"productPriceId": 2,

"productName": "fgdhs",

"priceStatDate": "2022-01-11T18:18:00",

"priceEndDate": "2022-01-11T18:18:00",

"priceStartQuantity": 1,

"priceEndQuantity": 2,

"amount": 100000,

"productPriceStatus": true,

"ownerId": 1

}

]

}

**Test\_update\_product\_price:**

#test for empty product name

test\_json = {

"requestInfo": requestbody,

"priceDetails": {

"productPriceId": "1",

"productName": "",

"priceStartQuantity": "2",

"priceEndQuantity": "10",

"amount": "10000",

"ownerId": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "Product name is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty price start quantity

test\_json = {

"requestInfo": requestbody,

"priceDetails": {

"productPriceId": "1",

"productName": "fgdhs",

"priceStartQuantity": "",

"priceEndQuantity": "10",

"amount": "10000",

"ownerId": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "Price Start Quantity is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty price end quantity

test\_json = {

"requestInfo": requestbody,

"priceDetails": {

"productPriceId": "1",

"productName": "fgdhs",

"priceStartQuantity": "1",

"priceEndQuantity": "",

"amount": "10000",

"ownerId": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "Price end Quantity is not Invalid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for empty amount

test\_json = {

"requestInfo": requestbody,

"priceDetails": {

"productPriceId": "1",

"productName": "fgdhs",

"priceStartQuantity": "1",

"priceEndQuantity": "10",

"amount": "",

"ownerId": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "amount should be number",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for unique product name

test\_json = {

"requestInfo": requestbody,

"priceDetails": {

"productPriceId": "1",

"productName": "fgdhs",

"priceStartQuantity": "1",

"priceEndQuantity": "10",

"amount": "10000",

"ownerId": "1"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "product nname already exist. try other product name",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for updateing productprice

test\_json = {

"requestInfo": requestbody,

"priceDetails": {

"productPriceId": "1",

"productName": "fgdhs",

"priceStartQuantity": "1",

"priceEndQuantity": "2",

"amount": "100000",

"ownerId": "1"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "Product Price updateed",

"responseObject": {

"productPriceId": 1,

"productName": "fgdhs",

"priceStartDate": "2022-01-11T18:18:00",

"priceEndDate": "2022-01-11T18:18:00",

"priceStartQuantity": 1,

"priceEndQuantity": 2,

"amount": 100000,

"status": true,

"ownerId": 1

},

"totalRecords": 1,

"responseListObject": ""

}

**Test\_delete\_product\_price:**

#test for non integer productprice id

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"productpriceId":"fg"

}

}

test\_response={

"reasonCode": "400",

"status": "fail",

"reasonText": "data is not valid",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

#test for integer productprice id

test\_json = {

"requestInfo": requestbody,

"requestBody": {

"productpriceId":"12"

}

}

test\_response={

"reasonCode": "200",

"status": "success",

"reasonText": "productprice information successfully deleted",

"responseObject": "",

"totalRecords": "",

"responseListObject": ""

}

**THOR-services used in CRM**

* Add Party:

SERVICE\_URL+"/thor-partyservices/api/v1/party

* Get party:

SERVICE\_URL+"thor-partyservices/api/v1/party/\_get

* Get code value:

SERVICE\_URL+"/thor-lookupmanagement/api/v1/codeValue/\_get

* Get code type:

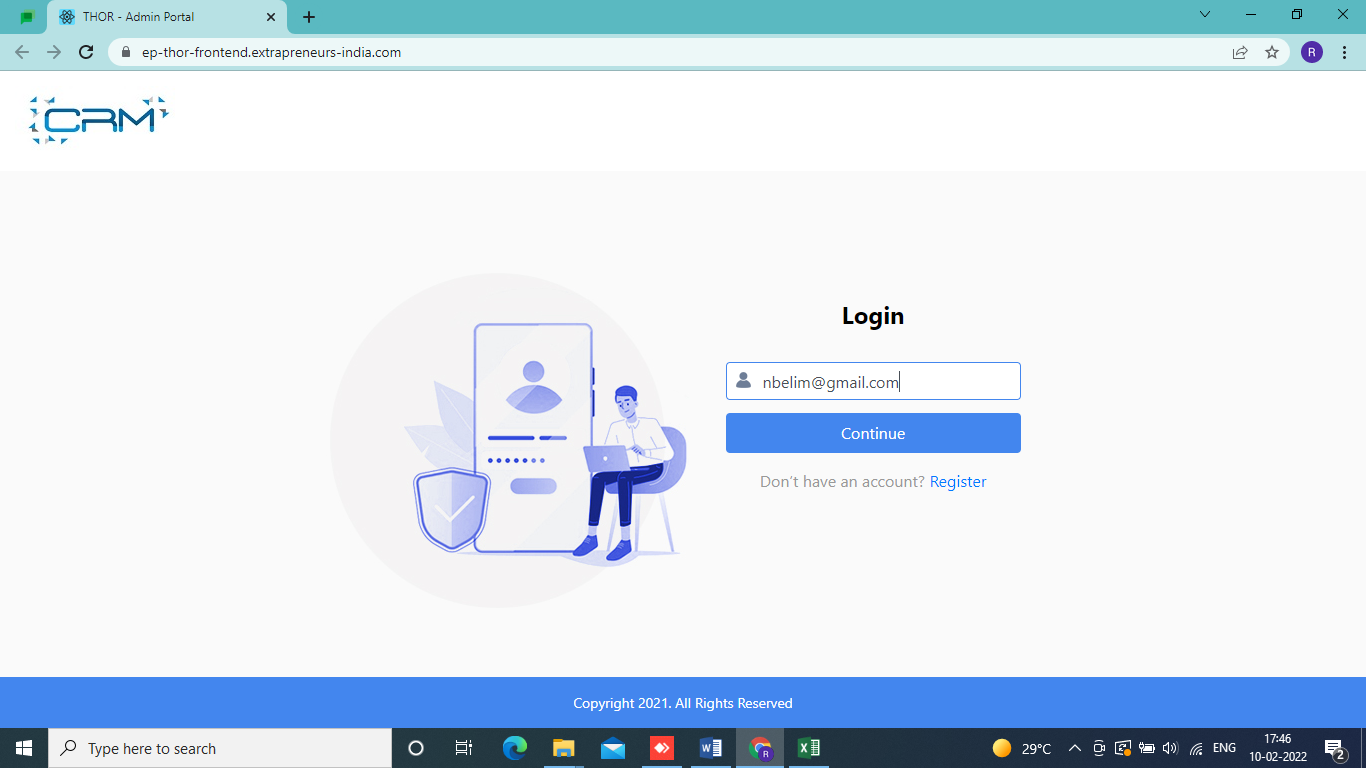
SERVICE\_URL+"/thor-lookupmanagement/api/v1/codeType/\_get

* Get token:

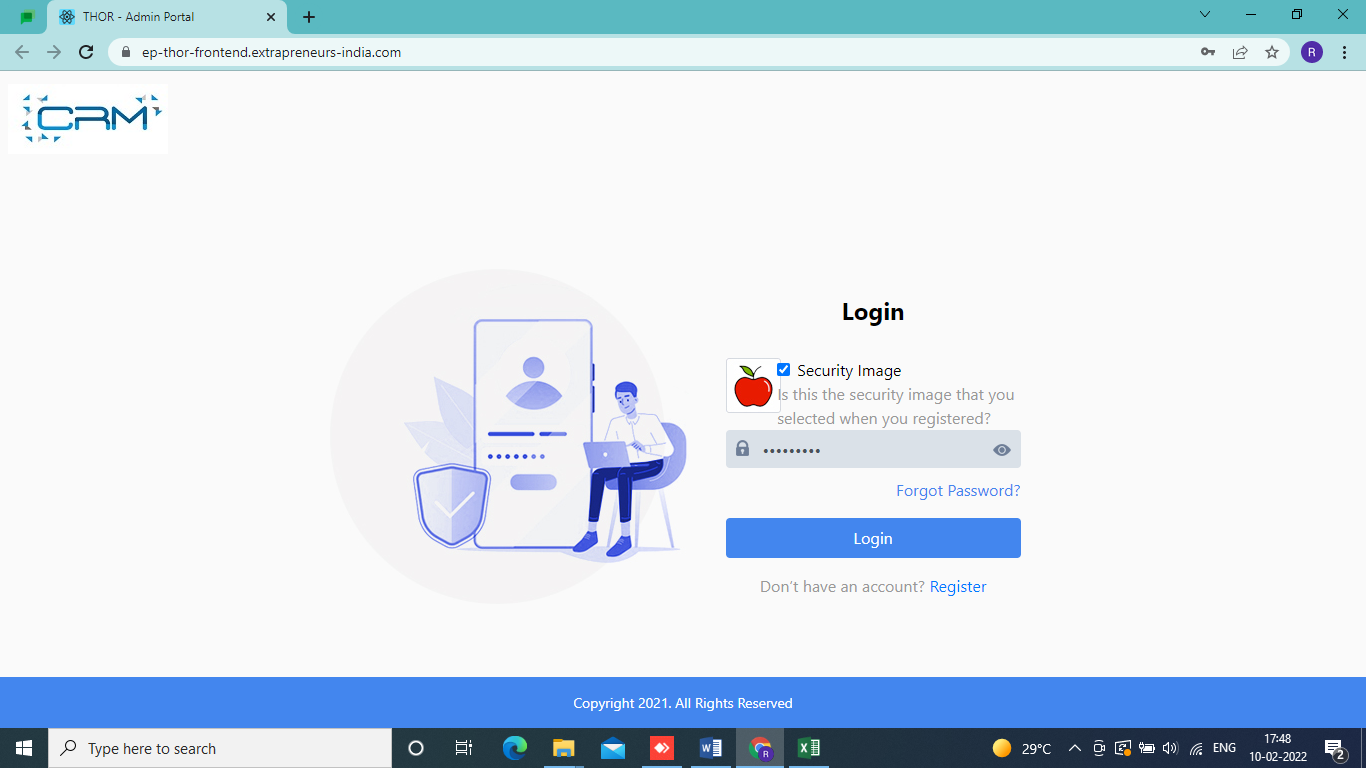
app\_config.SERVICE\_URL+"thor-token-management/api/v1/jwt-token

**Screenshots**

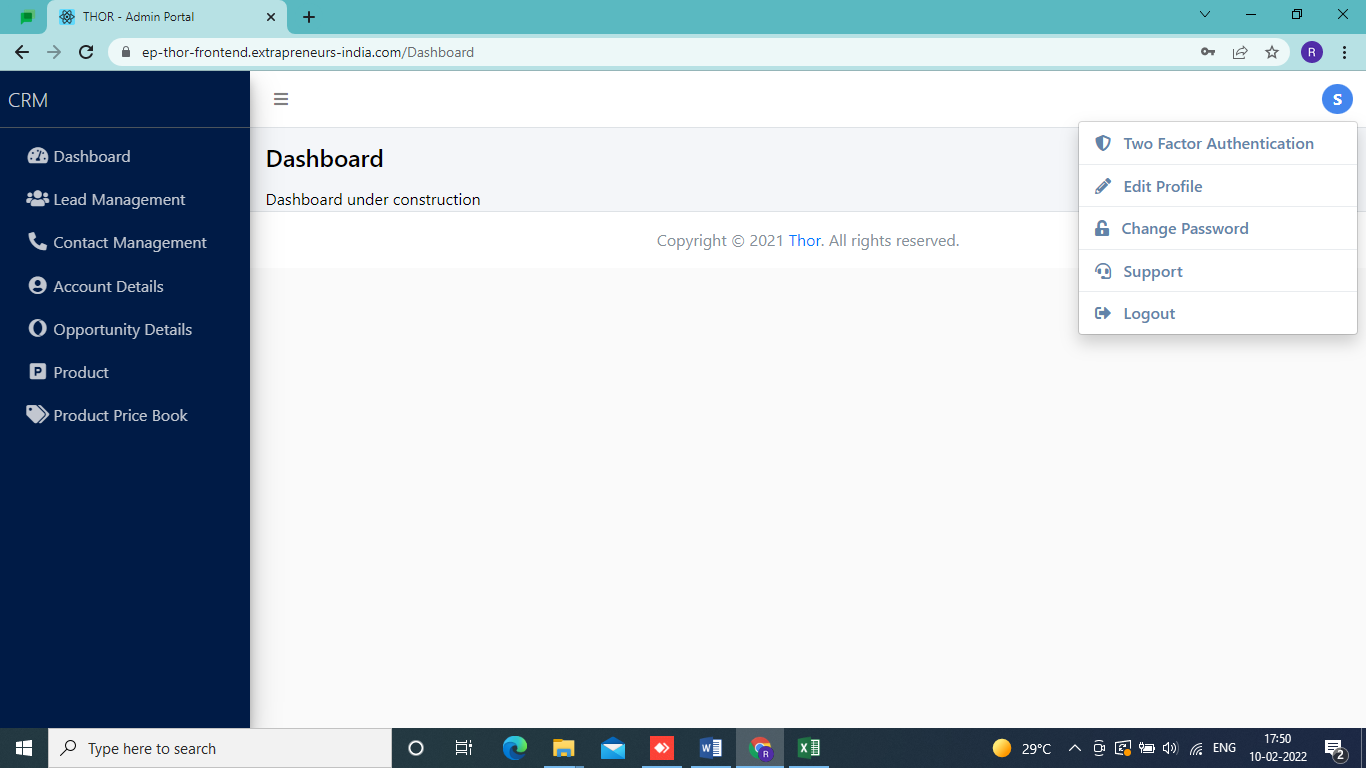
* **Login Screen | Id =** [nbelim@gmail.com](mailto:nbelim@gmail.com)



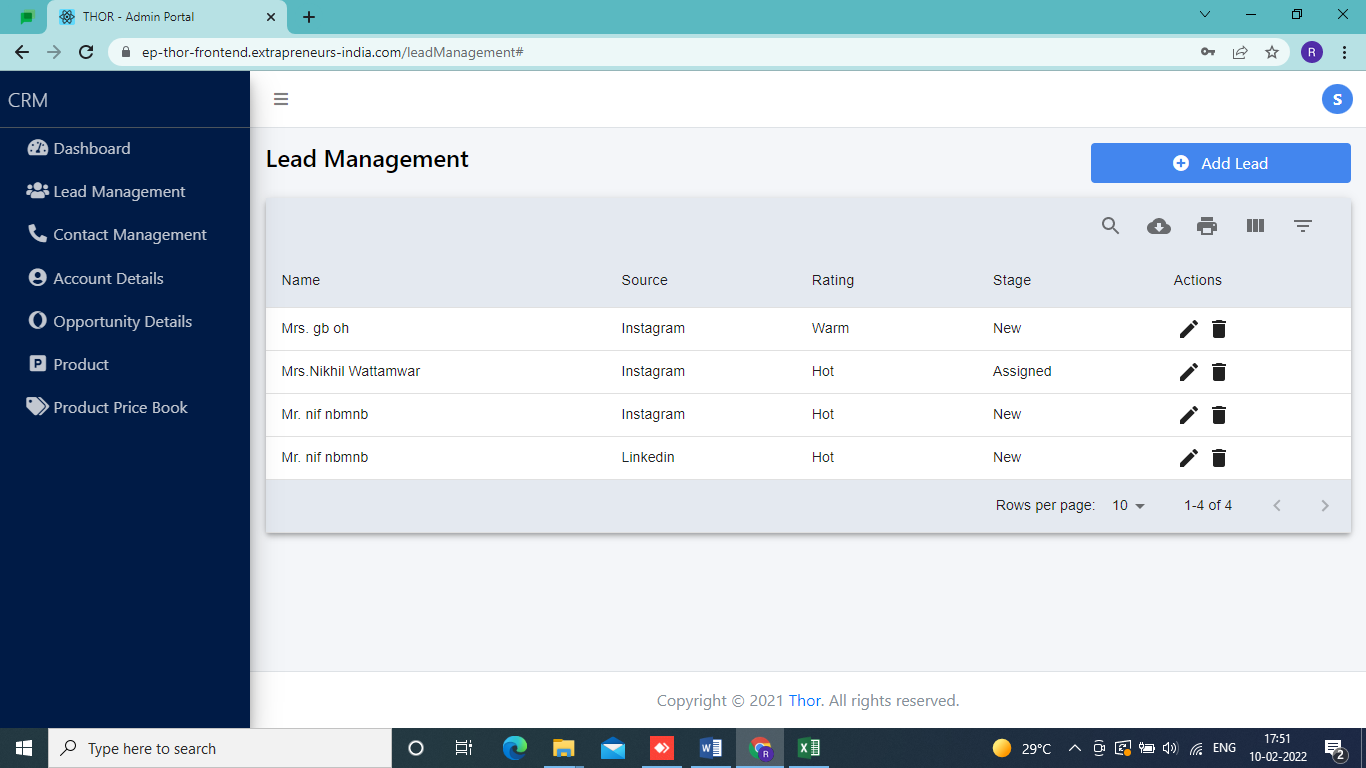
* **Login Screen | password = Admin@123**



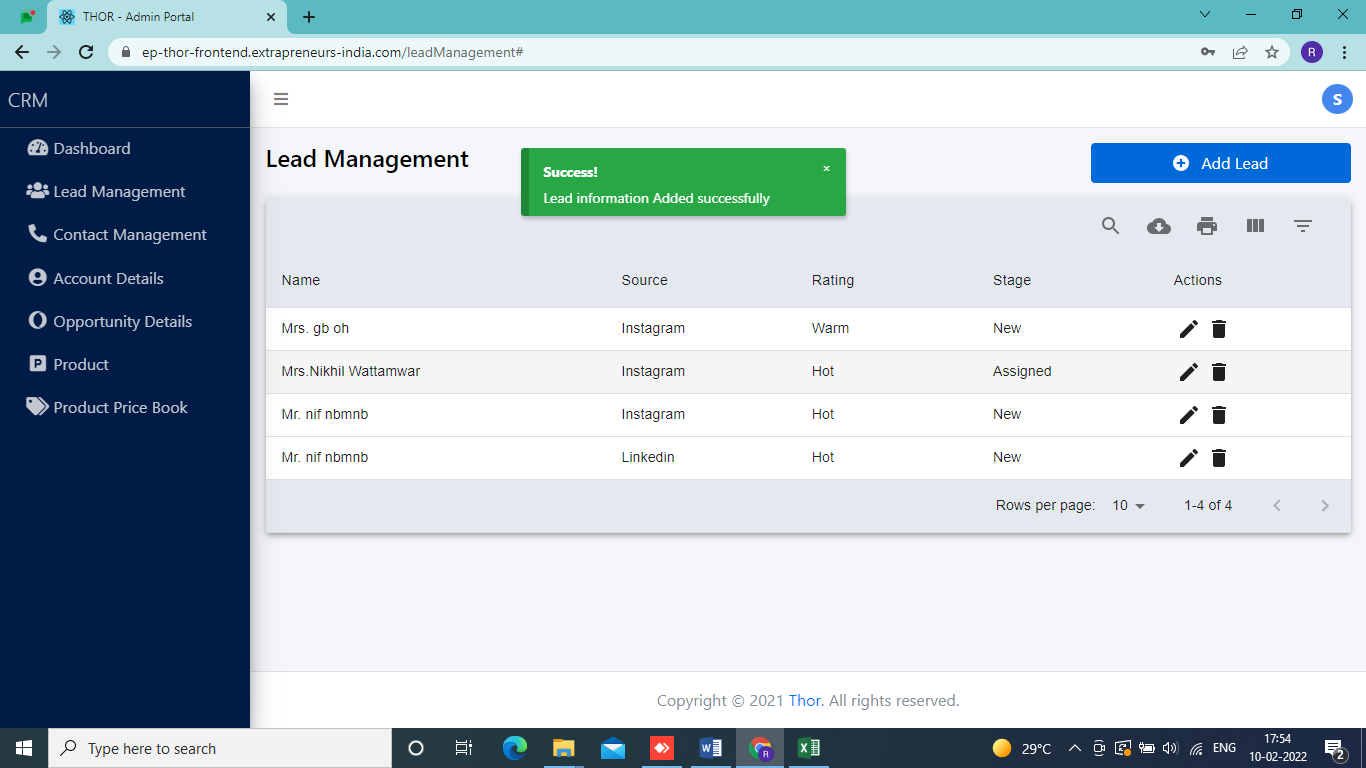
* **Successfully Logged in:**



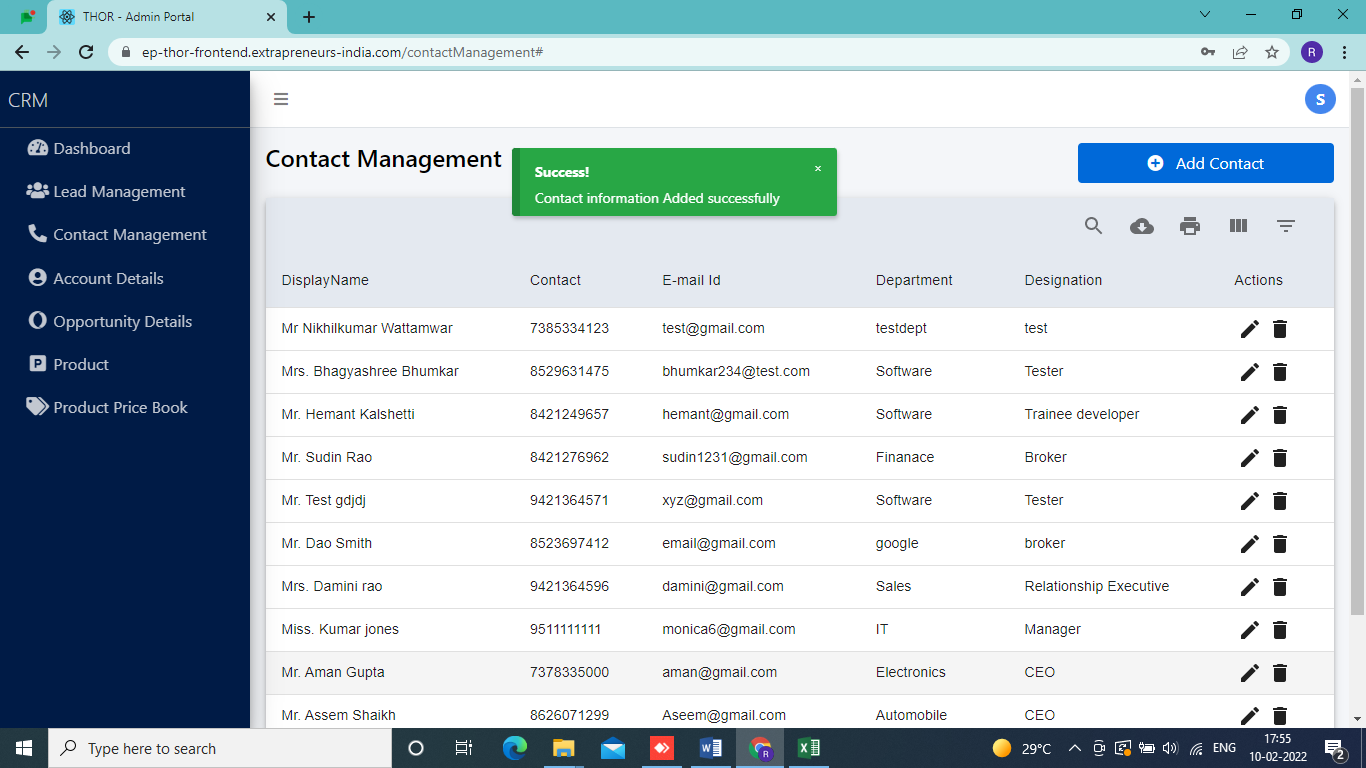
**Lead Management Screen**



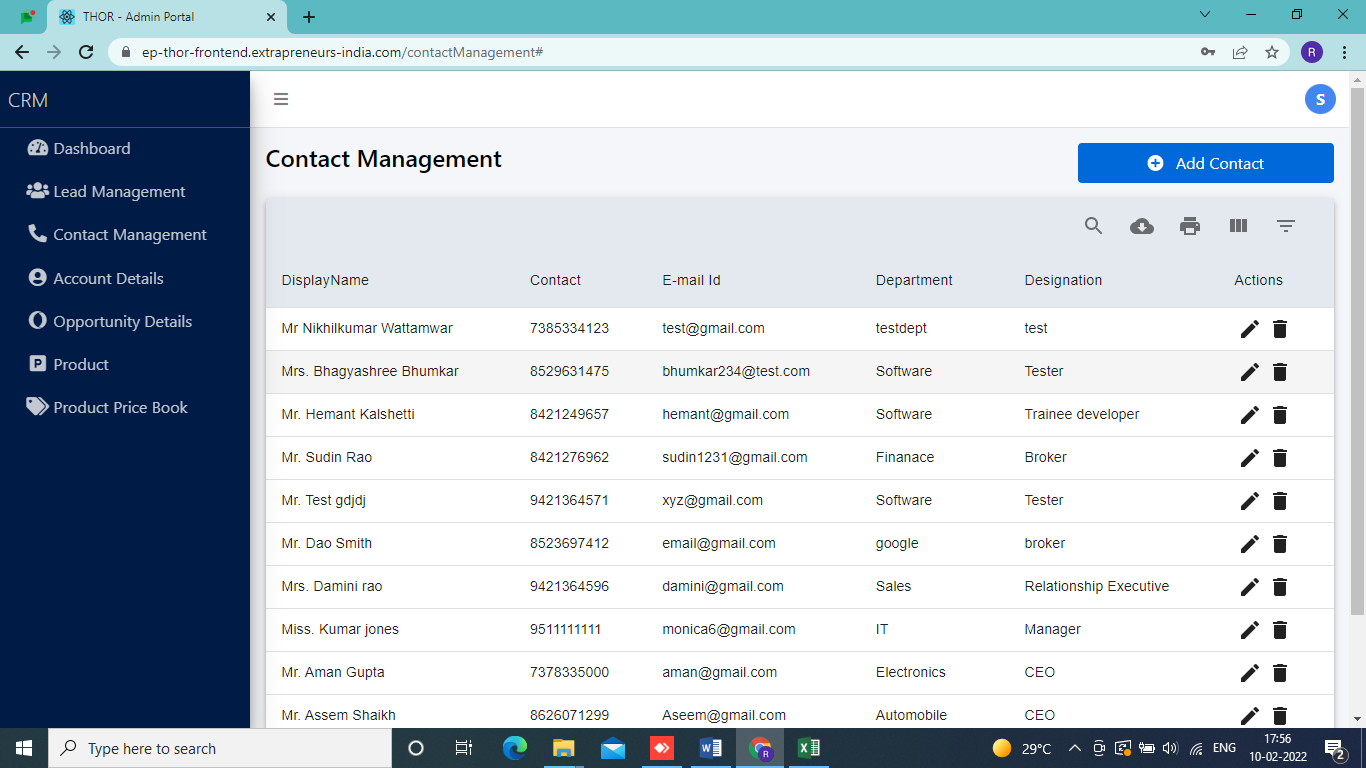
**Adding details to Lead**



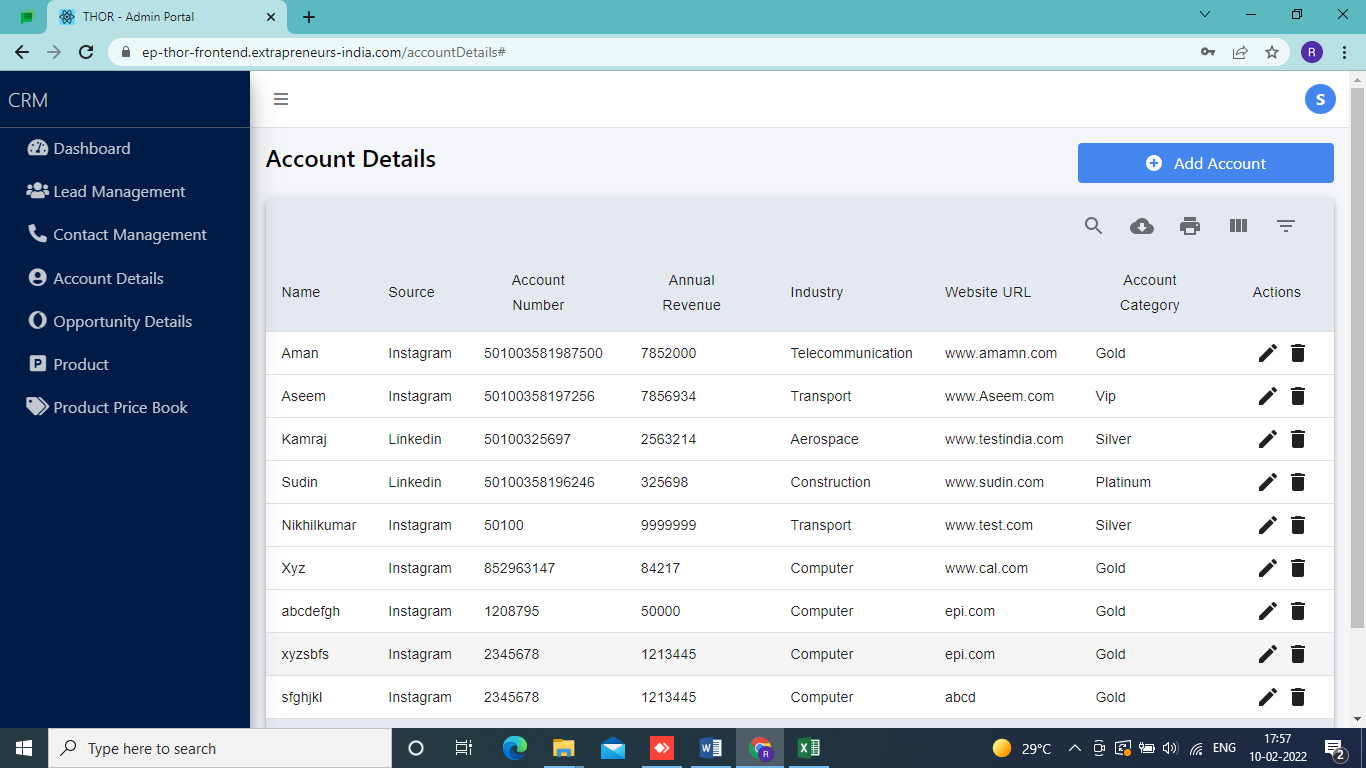
Adding Contact



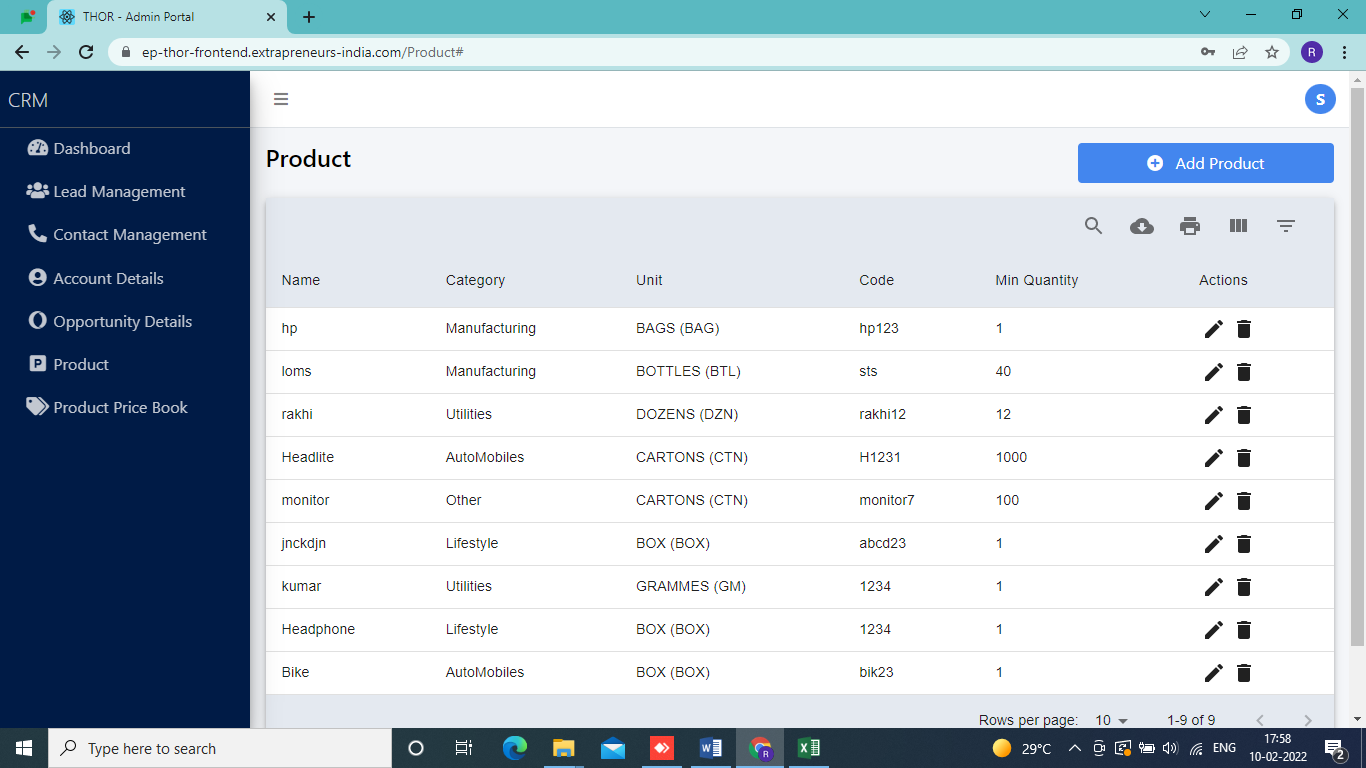
**Contact Screen**



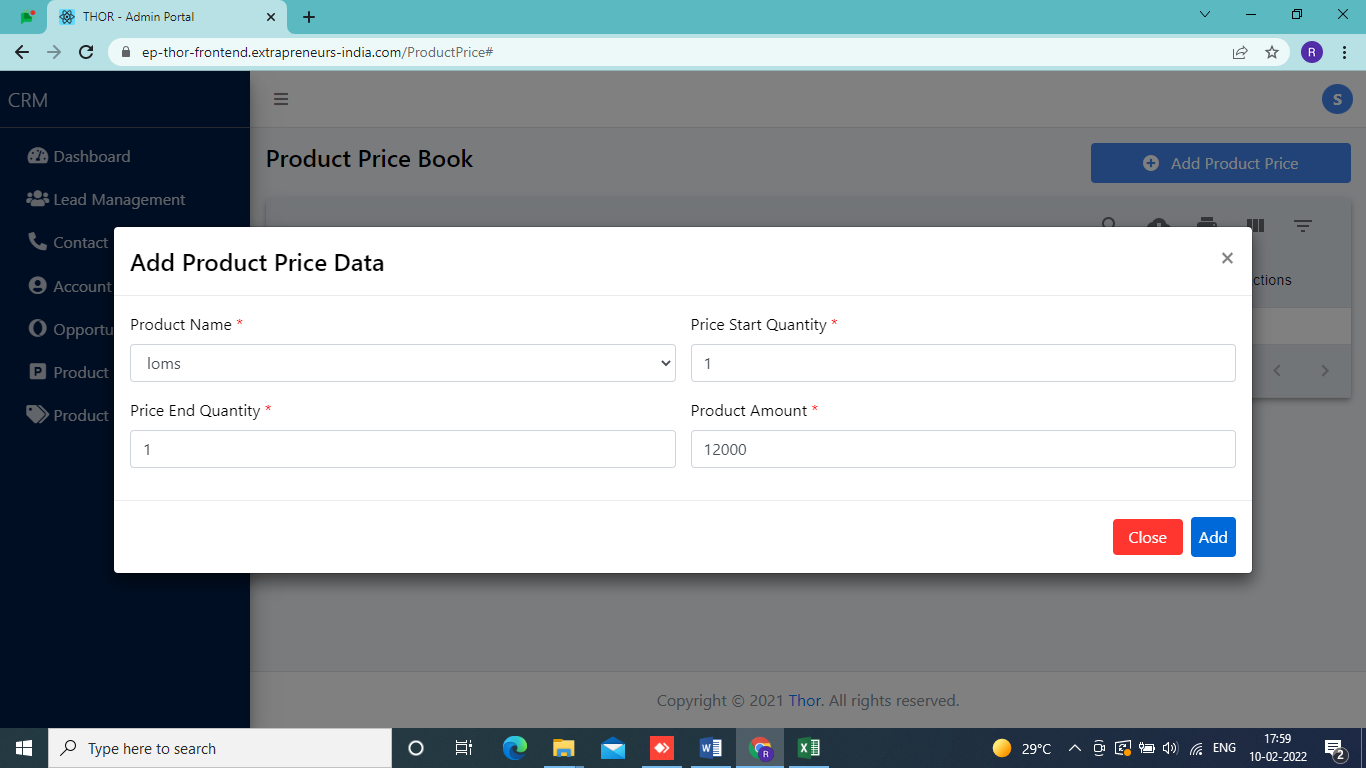
**Adding account Details:**



**Product Screen**



**Product Price Book:**



**Lead Stage = Opportunity**

