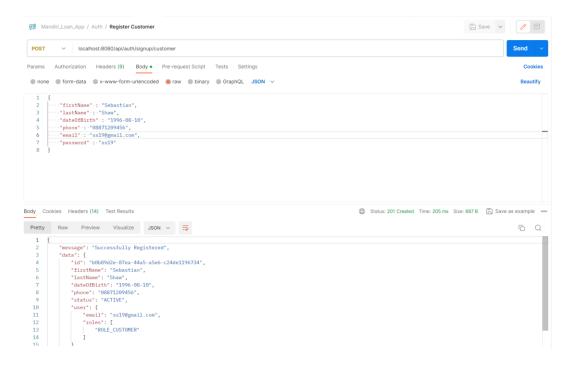
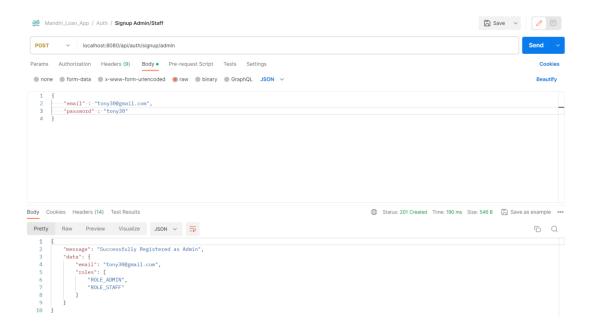
## **Loan Application API Documentation**

API Functionality summarized: This API enables a registered user (customer) to request a loan. The request will then be evaluated by admin and admin can APPROVE or REJECT the loan request as they see fit. If the request is approved, the customer has to pay the loan each month according to the instalment type they chose plus the interest chosen by admin. Most get all operation are only accessible by admin, adding loan type and instalment type are also admin only. Listed and documented below are only some of the feature of this API. The get service will be documented via SQL on a separate file.

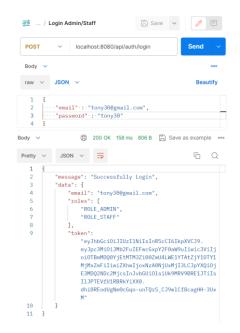
## 1. Register as Customer

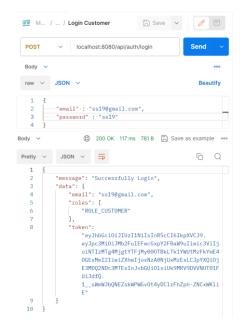


# 2. Register as Admin

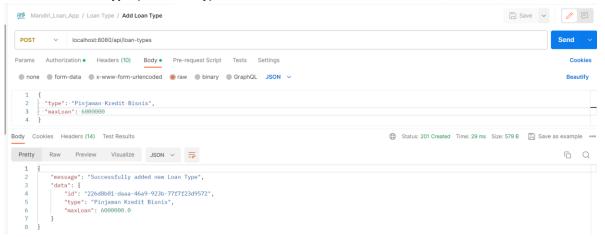


## 3. Login (as admin and as customer)

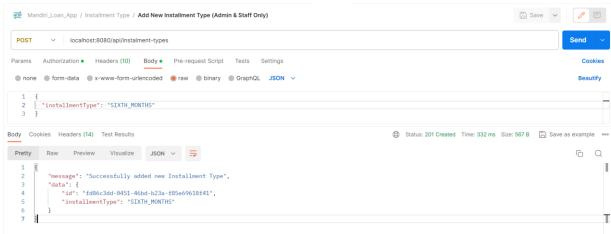




## 4. Add Loan Type (admin only)



## 5. Add Instalment Type (admin only)



## 6. Request a Loan (customer only)

Can be seen null value will be updated when the request is approved by admin.

```
Loan_App / Transaction / Create Transaction
  POST

√ localhost:8080/api/transactions/approve

                                                                                          "dateOfBirth": "1990-10-21",
        Authorization ● Headers (10) Body ● Pre-request Script
                                                                                           "phone": "0890121741",
                                                                                          "status": "ACTIVE",
  none form-data x-www-form-urlencoded raw binary
                                                                                           "user": {
                                                                                               "id": "5beb0a3b-0053-484f-85f2-8e3f3bc986f6",
         "loanType":-{
          "id": "afcce087-baa2-4508-a712-f6cfc8fa59df"
                                                                                                "email": "mike19@gmail.com",
         "installmentType": {
          "id": - "b9795e00-5071-4926-bd2f-83c01233ea85"
         "customer": {
          "id": "d99ec12f-213a-4a60-aba5-b2504430e244"
                                                                                                    ]
        "nominal": 80000000
  11
                                                                                      },
Body Cookies Headers (14) Test Results
                                                                                      "nominal": 8.0E7,
Pretty Raw Preview Visualize JSON V
                                                                                      "interestRate": null,
           "message": "Loan Request Has Been Saved",
                                                                                      "approvedAt": null,
          "data": {
    "id": "63dc9c23-f355-4afc-80a9-a4c1046a5d8d",
                                                                                      "approvedBy": null,
              "loanType": {
    "id": "afcce087-baa2-4508-a712-f6cfc8fa59df",
    "type": "Pinjaman Kredit Rumah",
    "maxLoan": 9.0E7
                                                                                      "approvalStatus": null,
                                                                                      "loanTransactionDetails": null,
              "installmentType": {
    "id": "b9795e00-5071-4926-bd2f-83c01233ea85",
                                                                                      "createdAt": 20240107,
                 "installmentType": "TWELVE_MONTHS"
                                                                                      "updatedAt": null
                  "id": "d99ec12f-213a-4a60-aba5-b2504430e244",
                 "firstName": "Michael",
"lastName": "Hersev",
                                                                       }
```

#### 7. Approve Loan Request (admin only)

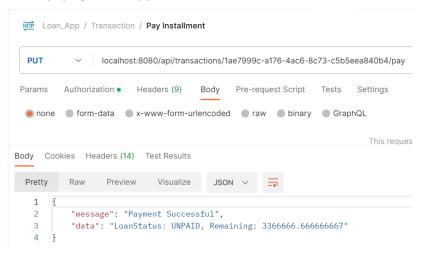
```
Mandiri_Loan_App / Transaction / Approve Loan Request
   PUT

✓ localhost:8080/api/transactions/approve

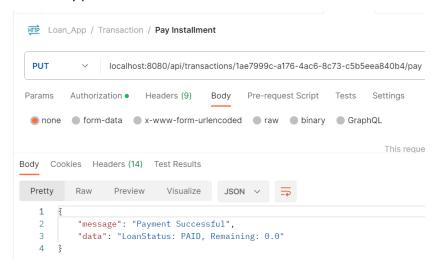
 Params Authorization • Headers (10) Body • Pre-request Script Tests
             "loanTransactionId" :: "63dc9c23-f355-4afc-80a9-a4c1046a5d8d",
                 "interestRates": 2,
"approvalStatus": 0
Body Cookies Headers (14) Test Results
Pretty Raw Preview Visualize JSON V
                 "message": "Loan Request Approved",
                      "id": "63dc9c23-f355-4afc-80a9-a4c1046a5d8d",
                      10: 03009(23:1355:4816-0087-886194063000) "JoanType": "afcce887-baa2-4568-8712-f6cfc8fa59df", "type": "Pinjaman Kredit Rumah", "maxLoan": 9.6E7
                       "installmentType": {
    "id": "b9795e00-5071-4926-bd2f-83c01233ea85",
    "installmentType": "TWELVE_MONTHS"
    10
11
12
13
14
15
16
17
                       "customer": {
    "id": "d99ec12f-213a-4a60-aba5-b2504430e244",
                           "id": "dy9ec12T-213a-4a60-abe
"firstName": "Michael",
"lastName": "Hersey",
"date0fBirth": "1990-10-21",
"phone": "0890121741",
"status": "ACTIVE",
    18
19
20
21
                           "user": {
    "id": "5beb0a3b-0053-484f-85f2-8e3f3bc986f6",
    "email": "mike19@gmail.com",
```

## 8. Pay Instalment (customer only)

a. When paying (not fully paid)



## b. When fully paid



c. When trying to pay an already paid loan

