# API Design

## API/registration

Input :

name = text

ktp\_no = 16 digit of numbers

city\_of\_birth = text

dob = dd/mm/yy

address = address

email = [name@mail.com](mailto:name@mail.com)

phone\_no = 12 digit of numbers

photo\_ktp = Base64

password = password

Process :

1. Get photo\_ktp, scan ktp number from photo (ktp\_no\_scan)
2. If ktp\_no = ktp\_no\_scan, then send response registration failed
3. If not, then insert data to Table User

|  |  |  |
| --- | --- | --- |
| Field | Value | Column |
| name | input | user\_name |
| ktp\_no | input | user\_ktp\_no |
| city\_of\_birth | input | user\_cob |
| dob | input | user\_dob |
| address | input | user\_address |
| email | input | user\_email |
| phone\_no | input | user\_phone\_no |
| photo\_ktp | input | user\_photo |
| password | encrypt | user\_password |
| Loan\_limit | 12000000 | user\_loan\_limit |

1. Send response registration success

## API/login

Input :

email = [name@mail.com](mailto:name@mail.com)

password = password

Process :

1. Get user\_password by email from DB
2. If password = user\_password then send response login success
3. If not, then send response login failed

## API/getLoanInfo

Input :

User\_id = id user

Process :

1. Get loan\_id by user\_id where loan\_status = “active” from Loan Table
2. Get installment\_id by loan\_id from Installment Table
3. Get installment\_amount, installment\_no, installment\_no\_remaining, installment\_amount\_remining from Installment Table
4. Send data response

## API/submitLoan

Input :

User\_id = id user

loan\_amount = numbers

loan\_tenor = 3/6/12

Process :

1. Get user\_loan\_limit by user\_id from User table
2. If loan\_amount more than user\_loan\_limit, then send response submission failed
3. If not, then get loan\_id by user\_id from Loan table
4. Get loan\_status by loan\_id from Loan table
5. If loan\_status =”active”, then send response submission failed
6. If not, then insert data to Loan Table

|  |  |  |
| --- | --- | --- |
| Field | Value | Column |
| user\_id | input | user\_id |
| loan\_amount | input | loan\_application\_amount |
| loan\_tenor | input | loan\_tenor |
| loan\_interest | 5% | user\_dob |
| Loan\_application\_date | Current date | Loan\_application\_date |
| Loan\_total | loan\_application\_amount \* 5% | Loan\_total |
| Loan\_status | “active” | Loan\_status |

1. Send response submission success