API Documentation Final Project Java M-Banking Rizky Perdana

1. **Register**

POST /MBanking/Register

```
Request

{
    "activity" : "register",
    "rekening_number" : "1111222233",
    "pin_atm" : "123456",
    "email" : "dandelion001@gmail.com",
    "birth_date" : "1990-08-17",
    "nik" : "1050241708900001",
    "user_id" : "dandelion7"
}
```

```
Respone

{
    "full_name": "Dandelion",
    "user_id": "dandelion7",
    "email": "dandelion001@gmail.com",
    "verify_code": "fR40tLPCp5",
    "registration_date": "2020-09-26",
    "registration_time": "08:43:18"
}
```

```
Exception

{
    "message": "Wrong regex. Please re-enter the user id."
}

{
    "message": "Register: Failed - Register with rekening number 1111222233
not found."
}

{
    "message": "Register: Failed - Your Account Bank Is Block. Please Call
Customer Service"
}

{
    "message": "Register: Failed - You Are Already Registered"
}
```

```
{
    "message": "Register: Failed - Wrong Pin ATM"
}


{
    "message": "Register: Failed - Wrong Email"
}


{
    "message": "Register: Failed - Wrong Birth Date"
}


{
    "message": "Register: Failed - Wrong NIK"
}


{
    "message": "Register: Failed - User ID Is Exist. Please Change Your User
ID"
}
```

2. Verification

POST /MBanking/Verification

```
Request

{
    "activity" : "verification",
    "user_id" : "dandelion7",
    "verify_code" : "fR40tLPCp5"
}
```

```
Respone

{
    "message": "Verification: Success - Please Activation Before Use Mobile
Banking"
}
```

```
Exception

{
    "message": "Verification: Failed - Verification with user id dandelion7
not found."
}


{
    "message": "Verification: Failed - Your Account Bank Is Block. Please
Call Customer Service"
}


{
    "message": "Verification: Failed - You Are Already Registered"
}
```

```
{
    "message": "Verification: Failed - Wrong Verification Code"
}

{
    "message": "Verification: Failed - Expired Verification Code. Please Re-
Register"
}
```

3. Activation

POST /MBanking/Activation

```
Request

{
    "activity" : "activation",
    "user_id" : "dandelion7",
    "dc_number" : "1234567890000000"
}
```

```
Respone

{
    "user_id": "dandelion7",
    "otp": "832669"
}
```

```
Exception

{
    "message": "Activation: Failed - Activation with user id dandelion7 not
found."
}

{
    "message": "Activation: Failed - Your Account Bank Is Block. Please Call
Customer Service"
}

{
    "message": "Activation: Failed - Not Registered. Please Register First"
}

{
    "message": "Activation: Failed - You Are Already Activation"
}

{
    "message": "Activation: Failed - Wrong Debit Card Number"
}
```

4. OTP Activation

POST /MBanking/OTPActivation

Request

```json
{
    "activity" : "otp activation",
    "user_id" : "dandelion7",
    "otp" : "832669",
    "m_pin" : "777777",
    "pwd_tranx" : "Dandelion*07"
}
```

Respone

```json
{
    "message": "OTP Activation: Success"
}
```

Exception

```json
{
    "message": "Wrong regex. Please re-enter the mobile PIN."
}
```

```json
{
    "message": "Wrong regex. Please re-enter the mobile PIN."
}
```

```json
{
    "message": "Wrong regex. Please re-enter the password transaction."
}
```

```json
{
    "message": "OTP Activation: Failed - OTP Activation with user id dandelion7 not found."
}
```

```json
{
    "message": "OTP Activation: Failed - Your Account Bank Is Block. Please Call Customer Service"
}
```

```json
{
    "message": "OTP Activation: Failed - Not Registered. Please Register First"
}
```

```json
{
    "message": "Activation: Failed - You Are Already Activation"
}
```

```json
{
    "message": "OTP Activation: Failed - Wrong OTP Code"
}
```

```json
{
    "message": "OTP Activation: Failed - Expired OTP Code. Please Re-Activation"
}
```

```
        }
```

5. Login

POST /MBanking/Login

```
Request

{
    "activity" : "login",
    "user_id" : "dandelion7",
    "m_pin" : "777777"
}
```

```
Respone

{
    "message": "Login: Success"
}
```

```
Exception

{
    "message": "Wrong regex. Please re-enter the mobile PIN."
}

{
    "message": "Login: Failed - User with user id dandelion7 not found."
}

{
    "message": "Login: Failed - Your Account Bank Is Block. Please Call
Customer Service"
}

{
    "message": "Login: Failed - Not Registered"
}

{
    "message": "Login: Failed - You Not Activation"
}

{
    "message": "Login: Failed - User with user id has been logged in.
Pleases logout first."
}

{
    "message": "Login: Failed - Wrong Password"
}
```

6. See Profile

GET /MBanking/SeeProfile

```
Request

{
    "activity" : "see profile",
    "user_id" : "dandelion7"
}
```

```
Respone

{
    "full_name": "Dandelion",
    "gender": "Laki-laki",
    "user_id": "dandelion7",
    "email": "dandelion001@gmail.com",
    "phone_number": "082299991122",
    "rekening_number": "1111222233",
    "dc_number": "1234567890000000",
    "nik": "1050241708900001",
    "birth_date": "1990-08-17"
}
```

```
Exception

{
    "message": "See Profile: Failed - User with user id dandelion7 not
found."
}

{
    "message": "See Profile: Failed - Your Account Bank Is Block. Please
Call Customer Service"
}

{
    "message": "See Profile: Failed - Not Registered"
}

{
    "message": "See Profile: Failed - You Not Activation"
}

{
    "message": "See Profile: Failed - User not logged in."
}
```

7. Change Mobile PIN

POST /MBanking/ChangeMPIN

```
Request

{
    "activity" : "change m pin",
    "user_id" : "dandelion7",
    "currently_m_pin" : "777777",
    "new_m_pin" : "007007"
}
```

```
Respone

{
    "message": "Change Mobile Bangking PIN: Success"
}
```

```
Exception

{
    "message": "Wrong regex. Please re-enter the new mobile PIN."
}

{
    "message": "Change Mobile Bangking PIN: Failed - User with user id
dandelion7 not found."
}

{
    "message": "Change Mobile Bangking PIN: Failed - Your Account Bank Is
Block. Please Call Customer Service"
}

{
    "message": "Change Mobile Bangking PIN: Failed - Not Registered"
}

{
    "message": "Change Mobile Bangking PIN: Failed - You Not Activation"
}

{
    "message": "Change Mobile Bangking PIN: Failed - User not logged in."
}

{
    "message": "Change Mobile Bangking PIN: Failed - Wrong Currently M PIN"
}
```

8. Change Password Transaction

POST /MBanking/ChangePwdTranx

```
Request

{
    "activity" : "change pwd tranx",
    "user_id" : "dandelion7",
    "currently_pwd_tranx" : "Dandelion*07",
    "new_pwd_tranx" : "*Dandelion01"
}
```

```
Respone

{
    "message": "Change Password Transaction: Success"
}
```

```
Exception

{
    "message": "Wrong regex. Please re-enter the new password transaction."
}

{
    "message": "Change Password Transaction: Failed - User with user id
dandelion7 not found."
}

{
    "message": "Change Password Transaction: Failed - Your Account Bank Is
Block. Please Call Customer Service"
}

{
    "message": "Change Password Transaction: Failed - Not Registered"
}

{
    "message": "Change Password Transaction: Failed - You Not Activation"
}

{
    "message": "Change Password Transaction: Failed - User not logged in."
}

{
    "message": "Change Password Transaction: Failed - Wrong Currently
Password Transaction"
}
```

9. Check Balance

GET /MBanking/BalanceInfo

```
Request

{
    "activity" : "balance info",
    "user_id" : "dandelion7"
}
```

```
Respone

{
    "user_id": "dandelion7",
    "balance": 70000000.00
}
```

```
Exception

{
    "message": "Balance Info: Failed - User with user id dandelion7 not
found."
}

{
    "message": "Balance Info: Failed - Your Account Bank Is Block. Please
Call Customer Service"
}

{
    "message": "Balance Info: Failed - Not Registered"
}

{
    "message": "Balance Info: Failed - You Not Activation"
}

{
    "message": "Balance Info: Failed - User not logged in."
}
```

10. Account Mutation

GET /MBanking/RekeningMutation

```
Request

{
    "activity" : "rekening mutation",
    "user_id" : "dandelion7",
    "from_date_mutation" : "2020-09-01",
    "to_date_mutation" : "2020-09-14",
    "pwd_tranx" : "*Dandelion01"
}
```

```
Respone

```

```
[
    {
        "date_tranx": "2020-09-01",
        "nominal": 20000000.00,
        "type_tranx": "DB",
        "description": "TF From PT.IBM"
    },
    {
        "date_tranx": "2020-09-03",
        "nominal": 300000.00,
        "type_tranx": "CR",
        "description": "Withdraw ATM"
    },
    {
        "date_tranx": "2020-09-06",
        "nominal": 300000.00,
        "type_tranx": "CR",
        "description": "Top Up OVO"
    },
    {
        "date_tranx": "2020-09-08",
        "nominal": 500000.00,
        "type_tranx": "CR",
        "description": "Top Up Shopee Pay"
    },
    {
        "date_tranx": "2020-09-12",
        "nominal": 100000.00,
        "type_tranx": "CR",
        "description": "Withdraw ATM"
    },
    {
        "date_tranx": "2020-09-14",
        "nominal": 100000.00,
        "type_tranx": "CR",
        "description": "Withdraw ATM"
    }
]
```

Exception

```
{
    "message": "Sorry, please re-enter the first date. The first date must
not be past the current date"
}

{
    "message": "Sorry, please re-enter the second date. The second date must
not be past the current date"
}

{
    "message": "Sorry, please re-enter the first date. The first date must
not be past the second date"
}

{
```

```
        "message": "Sorry, please re-enter the first date. The first date must
    not be more than 30 days of the current date"
    }


    {
        "message": "Sorry, please re-enter the first date and second date. The
    first date must not be more than 14 days of the second date"
    }


    {
        "message": "Rekening Mutation: Failed - User with user id dandelion7 not
    found."
    }


    {
        "message": "Rekening Mutation: Failed - Your Account Bank Is Block.
    Please Call Customer Service"
    }


    {
        "message": "Rekening Mutation: Failed - Not Registered"
    }


    {
        "message": "Rekening Mutation: Failed - User not logged in."
    }


    {
        "message": "Rekening Mutation: Failed - Wrong Password"
    }


    {
        "message": "Rekening Mutation: Failed - There is no mutation in that
    time period."
    }
```

11. Check Insurance

POST /MBanking/Insurance

```
Request

{
    "activity" : "insurance",
    "user_id" : "dandelion7",
    "insurance" : "Allianz",
    "polis_number" : "77777777777"
}
```

```
Respone

{
    "polis_number": "7777777777",
    "insurance": "Allianz",
    "full_name": "Dandelion",
    "grade": "Silver",
    "insurance_fee": 50000
}
```

```
Exception

{
    "message": "Check Insurance: Failed - User with user id dandelion7 not
found."
}

{
    "message": "Check Insurance: Failed - Your Account Bank Is Block. Please
Call Customer Service"
}

{
    "message": "Check Insurance: Failed - Not Registered"
}

{
    "message": "Check Insurance: Failed - User not logged in."
}

{
    "message": "Check Insurance: Failed - Please input the correct
insurance"
}

{
    "message": "Check Insurance: Failed - Polis Number Not Found"
}
```

12. Insurance Payment

POST /MBanking/InsurancePayment

```
Request

{
    "activity" : "insurance payment",
    "user_id" : "dandelion7",
    "insurance" : "Allianz",
    "polis_number" : "7777777777",
    "nominal_transfer" : 50000,
    "pwd_tranx" : "*Dandelion01"
}
```

Respone

```json
{
    "status_fee": "Success",
    "polis_number": "7777777777",
    "insurance": "Allianz",
    "grade": "Silver",
    "rekening_number": "1111222233",
    "full_name": "Dandelion",
    "date_insurance_payment": "2020-09-26",
    "time_insurance_payment": "09:18:41",
    "insurance_fee": 50000
}
```

Exception

```json
{
    "message": "Insurance Payment: Failed - User with user id dandelion7 not found."
}

{
    "message": "Insurance Payment: Failed - Your Account Bank Is Block. Please Call Customer Service"
}

{
    "message": "Insurance Payment: Failed - Not Registered"
}

{
    "message": "Insurance Payment: Failed - User not logged in."
}

{
    "message": "Insurance Payment: Failed - Wrong Password"
}

{
    "message": "Insurance Payment: Failed - The balance is not sufficient"
}

{
    "message": "Insurance Payment: Failed - Please input the correct insurance"
}

{
    "message": "Insurance Payment: Failed - Polis Number Not Found"
}

{
    "message": "Insurance Payment: Failed - Transfer nominal is not the same as the total insurance fee"
}
```

13. Logout

POST /MBanking/Logout

```
Request

{
    "activity" : "logout",
    "user_id" : "dandelion7"
}
```

```
Respone

{
    "message": "Logout: Success"
}
```

```
Exception

{
    "message": "Logout: Failed - User with user id dandelion7 not found."
}

{
    "message": "Logout: Failed - Your Account Bank Is Block. Please Call
Customer Service"
}

{
    "message": "Logout: Failed - Not Registered"
}

{
    "message": "Login: Failed - You Not Activation"
}

{
    "message": "Logout: Failed - User not logged in."
}
```