Project Mini Apps Money Monitoring

DDL

CREATE TABLE SAVING\_LOG(

ID\_TRANSACTION VARCHAR(10) NOT NULL,

TRANSACTION\_DATE DATE,

TRANSACTION\_TYPE VARCHAR(25),

TRANSACTION\_AMOUNT VARCHAR(25),

TRANSACTION\_CAT VARCHAR(30),

SAVING\_TYPE VARCHAR(10),

CONSTRAINT PK\_SAVING\_LOG PRIMARY KEY(ID\_TRANSACTION)

);

CREATE TABLE SAVING\_CATEGORY(

ID\_CATEGORY\_SAVING VARCHAR(50) NOT NULL,

SAVING\_NAME VARCHAR(255),

MAX\_OUTCOME VARCHAR(255),

CONSTRAINT PK\_SAVING\_CATEGORY PRIMARY KEY(ID\_CATEGORY\_SAVING)

);

CREATE TABLE CATEGORY(

CATEGORY\_NAME VARCHAR(30),

CATEGORY\_TYPE VARCHAR(15),

CONSTRAINT PK\_CATEGORY PRIMARY KEY(CATEGORY\_NAME)

);

CREATE TABLE WITHDRAW(

ID\_WITHDRAWAL VARCHAR(10) NOT NULL,

WITHDRAWAL\_AMNT VARCHAR(255),

CAT\_EXPENSES VARCHAR(25),

SAVING\_TYPE VARCHAR(100),

TRANSACTION\_DATE DATE

CONSTRAINT PK\_WITHDRAW PRIMARY KEY(ID\_WITHDRAWAL)

);

CREATE TABLE DEPOSIT(

ID\_DEPOSIT VARCHAR(10) NOT NULL,

DEPOSIT\_AMNT VARCHAR(255),

CAT\_EXPENSES VARCHAR(25),

SAVING\_TYPE VARCHAR(100),

TRANSACTION\_DATE DATE

CONSTRAINT PK\_DEPOSIT PRIMARY KEY(ID\_DEPOSIT)

);

DML

**Insert to table category**

INSERT INTO CATEGORY (CATEGORY\_NAME, CATEGORY\_TYPE) VALUES ('Food & Beverage', 'Expense');

INSERT INTO CATEGORY (CATEGORY\_NAME, CATEGORY\_TYPE) VALUES ('Bills', 'Expense');

INSERT INTO CATEGORY (CATEGORY\_NAME, CATEGORY\_TYPE) VALUES ('Shopping', 'Expense');

INSERT INTO CATEGORY (CATEGORY\_NAME, CATEGORY\_TYPE) VALUES ('Transportation', 'Expense');

INSERT INTO CATEGORY (CATEGORY\_NAME, CATEGORY\_TYPE) VALUES ('Health & Fitness', 'Expense');

INSERT INTO CATEGORY (CATEGORY\_NAME, CATEGORY\_TYPE) VALUES ('Education', 'Expense');

INSERT INTO CATEGORY (CATEGORY\_NAME, CATEGORY\_TYPE) VALUES ('Entertaiment', 'Expense');

INSERT INTO CATEGORY (CATEGORY\_NAME, CATEGORY\_TYPE) VALUES ('Gift', 'Expense');

INSERT INTO CATEGORY (CATEGORY\_NAME, CATEGORY\_TYPE) VALUES ('Insurance', 'Expense');

INSERT INTO CATEGORY (CATEGORY\_NAME, CATEGORY\_TYPE) VALUES ('Invesment', 'Expense');

INSERT INTO CATEGORY (CATEGORY\_NAME, CATEGORY\_TYPE) VALUES ('Other Expense', 'Expense');

INSERT INTO CATEGORY (CATEGORY\_NAME, CATEGORY\_TYPE) VALUES ('Salary', 'Income');

INSERT INTO CATEGORY (CATEGORY\_NAME, CATEGORY\_TYPE) VALUES ('Incoming Transfer', 'Income');

INSERT INTO CATEGORY (CATEGORY\_NAME, CATEGORY\_TYPE) VALUES ('Other Income', 'Income');

**URL prefix** : <http://localhost:2011/>

| No | Feature | Description | Route | Method | Example Request | Example  Response |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | InsertSavingCategory | Menambahkan kategori tabungan yang diinginkan | insertSavingCategory | POST | Body:  {  "savingName":"Tabungan Rog Ally",  "maxOutcome":"2000000"  } | {  "data": {  "idCategorySaving": "SV5",  "savingName": "Tabungan Rog Ally",  "maxOutcome": "2000000"  },  "message": "Added successfully",  "status": true  } |
| 2 | EditSavingCategory | Merubah atau update kategori tabungan yang telah dibuat | editSavingCategory | PUT | Body:  {  "transactionId":"SV1",  "savingName":"Tabungan IPhone",  "maxOutcome":"2000000"  } | {  "data": {  "idCategorySaving": "SV1",  "savingName": "Tabungan IPhone",  "maxOutcome": "2000000"  },  "message": "Edit Succesful",  "status": true  } |
| 3 | GetAllSaving | Menampilkan semua jenis tabungan yang sudah dibuat | getAllSaving | GET |  | {  "data": [  {  "idCategorySaving": "SV1",  "savingName": "Tabungan IPhone",  "maxOutcome": "2000000"  },  {  "idCategorySaving": "SV2",  "savingName": "Tabungan Motor",  "maxOutcome": "2000000"  },  {  "idCategorySaving": "SV3",  "savingName": "Tabungan HP",  "maxOutcome": "1000000"  }  ],  "message": "Get all data success",  "status": true  } |
| 4 | DeleteCategorySaving | Menghapus jenis tabungan yang sudah dibuat | deleteCategorySaving | DELETE | Body:  {  "transactionId":"SV5"  } | {  "message": "SV5 Deleted successfully",  "status": true  } |
| 5 | GetAllCategory | Menampilkan semua kategori transaksi (pemasukan dan pengeluaran) | getAllCategory | GET |  | {  "data": [  {  "categoryName": "Bills",  "categoryType": "Expense"  },  {  "categoryName": "Education",  "categoryType": "Expense"  },  {  "categoryName": "Entertaiment",  "categoryType": "Expense"  },  {  "categoryName": "Food & Beverage",  "categoryType": "Expense"  },  {  "categoryName": "Gift",  "categoryType": "Expense"  },  {  "categoryName": "Health & Fitness",  "categoryType": "Expense"  },  {  "categoryName": "Incoming Transfer",  "categoryType": "Income"  },  {  "categoryName": "Insurance",  "categoryType": "Expense"  },  {  "categoryName": "Invesment",  "categoryType": "Expense"  },  {  "categoryName": "Other Expense",  "categoryType": "Expense"  }  ],  "message": "All data category found",  "status": true  } |
| 6 | Get Category By Type | Menampilkan semua kategori transaksi berdasarkan tipenya (pengeluaran/pemasukan) | getCategoryByType | GET | Body:  {  "categoryType":"Income"  } | {  "data": [  {  "categoryName": "Incoming Transfer",  "categoryType": "Income"  },  {  "categoryName": "Other Income",  "categoryType": "Income"  },  {  "categoryName": "Salary",  "categoryType": "Income"  }  ],  "message": "All Income category found",  "status": true  } |
| 7 | Insert Withdrawal | Input transaksi pengeluaran | insertWithdrawal | POST | Body:  {  "savingName":"Tabungan IPhone",  "transactionAmnt":"20000",  "withdrawCategory":"Food & Beverage",  "categoryType":"Expense"  } | Jika jenis tabungan yang dipilih ada:  {  "data": {  "idWithdrawal": "WITHDRAW3",  "withdrawalAmnt": "20000",  "catExpenses": "FOOD & BEVERAGE",  "savingType": "EXPENSE",  "transactionDate": "02-01-2024"  },  "message": "Withdrawal Success",  "status": true  }  Jika jenis tabungan yang dipilih tidak ada:  {  "data": null,  "message": "Saving category for Tabungan Mobil not found",  "status": true  } |
| 8 | Edit Withdrawal | Melakukan perubahan/update terhadap transaksi pengeluaran yang sudah dibuat | editWithdrawal | PUT | Body:  {  "transactionId":"WITHDRAW3",  "savingName":"Tabungan Iphone",  "transactionAmnt":"25000",  "withdrawCategory":"Food & Beverage",  "categoryType":"Expense"  } | {  "data": {  "idWithdrawal": "WITHDRAW3",  "withdrawalAmnt": "25000",  "catExpenses": "FOOD & BEVERAGE",  "savingType": "EXPENSE",  "transactionDate": "02-01-2024"  },  "message": "Edit withdrawal success",  "status": true  } |
| 9 | Insert Deposit | Input transaksi pemasukan | insertDeposit | POST | Body:  {  "savingName":"Tabungan Motor",  "transactionAmnt":"2000000",  "depositCategory":"Salary",  "categoryType":"Income"  } | Jika jenis tabungan yang dipilih ada:  {  "data": {  "idDeposit": "DEPOSIT2",  "depositAmnt": "2000000",  "catExpenses": "SALARY",  "savingType": "INCOME",  "transactionDate": "01-01-2024"  },  "message": "Deposit success",  "status": true  }  Jika jenis tabungan yang dipilih tidak ada:  {  "data": null,  "message": "Saving category for Tabungan Mobil not found",  "status": true  } |
| 10 | Edit Category | Melakukan perubahan/update terhadap transaksi pemasukan yang sudah dibuat | editDeposit | PUT | Body:  {  "transactionId":"DEPOSIT2",  "savingName":"Tabungan Motor",  "transactionAmnt":"270000",  "depositCategory":"Salary",  "categoryType":"Income"  } | {  "data": {  "idDeposit": "DEPOSIT2",  "depositAmnt": "270000",  "catExpenses": "SALARY",  "savingType": "INCOME",  "transactionDate": "01-01-2024"  },  "message": "Edit deposit success",  "status": true  } |
| 11 | Get total saving | Menghitung total nominal tabungan | getTotalSaving | GET |  | {  "data": {  "totalSaving": "9870000"  },  "message": "Total Saving",  "status": true  } |