**API Endpoints**

**Login**

**Type: adminUser/login**

**Method: POST**

**Endpoint:/api/login/**

**Request example:**

**{**

**“username”:”user”,**

**“password”:”password”**

**}**

**Response:**

**{**

**“token”: “token value here”,**

**"username": "anupam",**

**"permissions": {**

**"loan": {**

**"create": false,**

**"retrieve": false,**

**"update": false,**

**"delete": false**

**},**

**"loantype": {**

**"create": false,**

**"retrieve": false,**

**"update": false,**

**"delete": false**

**},**

**"payment": {**

**"create": false,**

**"retrieve": false,**

**"update": false,**

**"delete": false**

**},**

**"user": {**

**"create": false,**

**"retrieve": false,**

**"update": false,**

**"delete": false**

**}**

**}**

**}**

**Logout**

**Type: adminUser/logout**

**Method: POST**

**Endpoint: /api/logout/**

**Request:**

**{**

**}**

**Loantype**

Type: Create

Method: POST

Endpoint: /api/loantypes/create/

Request example:

{

“loantype”: “loantype”,

“interest”: “4%”

}

Purpose: To create a new loan type. Creates a new loantype object in db.

Response:

{

“loantype”: “loantype”,

“interest”: “4%”

}

------------------------

Type: Detail

No authorization needed for this

Method: GET

Endpoint: /api/loantypes/<pk>/

Request:

{

}

Purpose: To retrieve the details about loan type

Response:

{

“loantype”: “loantype”,

“interest”: “4%”

}

------------------------

Type: List

No authorization needed for this.

Methoed: GET

Endpoint: /api/loantypes/

Request:

{

}

Purpose: To list the loan types. Retrieves all loantypes objects from db

Response:

[

{

“loantype”: “loantype”,

“interest”: “4%”

}

]

-------------------------

Type: Update

Method: PUT

Endpoint: /api/*loantypes/<pk>/edit/*

Request:

{

“loantype”: “new\_laontype”,

“interest”: “new\_interest”

}

Purpose: To update the existing loantype object.

Response:

{

“loantype”: “new\_laontype”,

“interest”: “new\_interest”

}

---------------------------------------------------

Type: DELETE

Method: DELETE

Endpoint: /api /loantypes/*<pk>*delete/

Request:

{

}

Purpose: To delete the loan type object.

Response: null

---------------------------------------------------------------

**Loan**

Type: Create

Method: POST

Endpoint: /api /loans/create/

Request:

{  
"loantype\_id":3,  
"employee\_name": "harry",  
"loanamount": 2500,  
"status": "ARCHIVE",  
"employee\_id":23,  
"permanent\_address":"sdd",  
"temporary\_address":"dfdf",  
"DOB": "2022-01-01",  
"recruitdate": "2023-02-03",  
"position": "dfd",

“submission\_form”:<file\_type>,

“lalpurja”:<file\_type>,

“malpot\_receipt\_1”:<file\_type>,

“malpot\_receipt\_2”:<file\_type>,

“verified\_map”:<file\_type>,

“blue\_print”:<file\_type>,

“committee\_sifaris”:<file\_type>,

“marriage\_certificate”:<file\_type>,

“mun\_vdc\_sifaris”:<file\_type>,

“dristibandha”:<file\_type>,

“close\_house\_photo”:<file\_type>,

“inspection\_report”:<file\_type>,

“anusuchi\_six\_form”:<file\_type>,

“tippani”:<file\_type>,

“voucher”:<file\_type>,

“debit\_credit”:<file\_type>,

“quotation”:<file\_type>,

“memo”:<file\_type>,

“credit\_note”:<file\_type>,

“approved\_letter”:<file\_type>,  
}

Purpose: To create new loan object

Response:

{  
"loantype\_id":3,  
"employee\_name": "harry",  
"loanamount": 2500,  
"status": "ARCHIVE",  
"employee\_id":23,  
"permanent\_address":"sdd",  
"temporary\_address":"dfdf",  
"DOB": "2022-01-01",  
"recruitdate": "2023-02-03",  
"position": "dfd",

“submission\_form”:<file\_type>,

“lalpurja”:<file\_type>,

“malpot\_receipt\_1”:<file\_type>,

“malpot\_receipt\_2”:<file\_type>,

“verified\_map”:<file\_type>,

“blue\_print”:<file\_type>,

“committee\_sifaris”:<file\_type>,

“marriage\_certificate”:<file\_type>,

“mun\_vdc\_sifaris”:<file\_type>,

“dristibandha”:<file\_type>,

“close\_house\_photo”:<file\_type>,

“inspection\_report”:<file\_type>,

“anusuchi\_six\_form”:<file\_type>,

“tippani”:<file\_type>,

“voucher”:<file\_type>,

“debit\_credit”:<file\_type>,

“quotation”:<file\_type>,

“memo”:<file\_type>,

“credit\_note”:<file\_type>,

“approved\_letter”:<file\_type>,  
}

------------------------------------------

Type: List

Method: Get

Endpoint: /api/loans/

Request:

{

}

Purpose: To get list of loans

Response:

[

{  
"loantype\_id":3,  
"employee\_name": "harry",  
"loanamount": 2500,  
"status": "ARCHIVE",  
"employee\_id":23,  
"permanent\_address":"sdd",  
"temporary\_address":"dfdf",  
"DOB": "2022-01-01",  
"recruitdate": "2023-02-03",

“recruit\_position”: “adf”,

“recruit\_level”: “dfsd”,

“recruit\_office”:”sdfjskd”,

“current\_position”: “dsfasf”,

“current\_level”: “dsfsd”,

“current\_office”: “lfdk”,

“citizenship\_number”: “fjdsklj”,

“citizenship\_issued\_place”: “fldsk”,

“citizenship\_issued\_date”: “dfsdk”,

“loan\_for”: “sdfn”,

“loan\_utilization\_place”: “dsfj”,

“service\_break”: “dsfsdf”,

“vacations”: “sfdsf”,

“mobile\_number”: 9808010101,  
"position": "dfd",

“submission\_form”:<file\_type>,

“lalpurja”:<file\_type>,

“malpot\_receipt\_1”:<file\_type>,

“malpot\_receipt\_2”:<file\_type>,

“verified\_map”:<file\_type>,

“blue\_print”:<file\_type>,

“committee\_sifaris”:<file\_type>,

“marriage\_certificate”:<file\_type>,

“mun\_vdc\_sifaris”:<file\_type>,

“dristibandha”:<file\_type>,

“close\_house\_photo”:<file\_type>,

“inspection\_report”:<file\_type>,

“anusuchi\_six\_form”:<file\_type>,

“tippani”:<file\_type>,

“voucher”:<file\_type>,

“debit\_credit”:<file\_type>,

“quotation”:<file\_type>,

“memo”:<file\_type>,

“credit\_note”:<file\_type>,

“approved\_letter”:<file\_type>,  
}

]

----------------------------------------------

Type: DETAIL

Method: GET

Endpoint: /api/loans/<pk>/

Request:

{

}

Purpose: to get the detail of loan

Response:

{  
"loantype\_id":3,  
"employee\_name": "harry",  
"loanamount": 2500,  
"status": "ARCHIVE",  
"employee\_id":23,  
"permanent\_address":"sdd",  
"temporary\_address":"dfdf",  
"DOB": "2022-01-01",  
"recruitdate": "2023-02-03",  
"position": "dfd",

“submission\_form”:<file\_type>,

“lalpurja”:<file\_type>,

“malpot\_receipt\_1”:<file\_type>,

“malpot\_receipt\_2”:<file\_type>,

“verified\_map”:<file\_type>,

“blue\_print”:<file\_type>,

“committee\_sifaris”:<file\_type>,

“marriage\_certificate”:<file\_type>,

“mun\_vdc\_sifaris”:<file\_type>,

“dristibandha”:<file\_type>,

“close\_house\_photo”:<file\_type>,

“inspection\_report”:<file\_type>,

“anusuchi\_six\_form”:<file\_type>,

“tippani”:<file\_type>,

“voucher”:<file\_type>,

“debit\_credit”:<file\_type>,

“quotation”:<file\_type>,

“memo”:<file\_type>,

“credit\_note”:<file\_type>,

“approved\_letter”:<file\_type>,  
}

-----------------------------------------------

Type: UPDATE

METHOD: PUT

Endpoint: /api/loans/<pk>/edit/

Request:

{  
"loantype\_id":3,  
"employee\_name": "harry",  
"loanamount": 2500,  
"status": "ARCHIVE",  
"employee\_id":23,  
"permanent\_address":"sdd",  
"temporary\_address":"dfdf",  
"DOB": "2022-01-01",  
"recruitdate": "2023-02-03",  
"position": "dfd",

“submission\_form”:<file\_type>,

“lalpurja”:<file\_type>,

“malpot\_receipt\_1”:<file\_type>,

“malpot\_receipt\_2”:<file\_type>,

“verified\_map”:<file\_type>,

“blue\_print”:<file\_type>,

“committee\_sifaris”:<file\_type>,

“marriage\_certificate”:<file\_type>,

“mun\_vdc\_sifaris”:<file\_type>,

“dristibandha”:<file\_type>,

“close\_house\_photo”:<file\_type>,

“inspection\_report”:<file\_type>,

“anusuchi\_six\_form”:<file\_type>,

“tippani”:<file\_type>,

“voucher”:<file\_type>,

“debit\_credit”:<file\_type>,

“quotation”:<file\_type>,

“memo”:<file\_type>,

“credit\_note”:<file\_type>,

“approved\_letter”:<file\_type>,  
}

Purpose: To edit the existing loan

Response:

{  
"loantype\_id":3,  
"employee\_name": "harry",  
"loanamount": 2500,  
"status": "ARCHIVE",  
"employee\_id":23,  
"permanent\_address":"sdd",  
"temporary\_address":"dfdf",  
"DOB": "2022-01-01",  
"recruitdate": "2023-02-03",  
"position": "dfd",

“submission\_form”:<file\_type>,

“lalpurja”:<file\_type>,

“malpot\_receipt\_1”:<file\_type>,

“malpot\_receipt\_2”:<file\_type>,

“verified\_map”:<file\_type>,

“blue\_print”:<file\_type>,

“committee\_sifaris”:<file\_type>,

“marriage\_certificate”:<file\_type>,

“mun\_vdc\_sifaris”:<file\_type>,

“dristibandha”:<file\_type>,

“close\_house\_photo”:<file\_type>,

“inspection\_report”:<file\_type>,

“anusuchi\_six\_form”:<file\_type>,

“tippani”:<file\_type>,

“voucher”:<file\_type>,

“debit\_credit”:<file\_type>,

“quotation”:<file\_type>,

“memo”:<file\_type>,

“credit\_note”:<file\_type>,

“approved\_letter”:<file\_type>,  
}

----------------------------------------------

Type: DELETE

METHOD: DELETE

Endpoint: /api/loans/<pk>/delete/

Request:

{

}

Purpose: To delete loan

Response:

null

--------------------------------------------------

**Payment**

Type: Create

METHOD: POST

Endpoint: /api/payments/create/

Request:

{ "payment\_amount":124, "loan\_id":4, "payment\_date":"2012-12-12" }

Purpose: To create a new payment object

Response:

{ "payment\_amount":124, "loan\_id":4, "payment\_date":"2012-12-12" }

------------------------------------------

Type: List

METHOD: GET

Endpoint: /api/payments/

Request:

{

}

Purpose: To list the payments.

Response:

[{ "payment\_amount":124, "loan\_id":4, "payment\_date":"2012-12-12" }]

--------------------------------------------

Type: Detail

METHOD: GET

Endpoint: /api/payments/

Request:

{

}

Purpose: To get the details of payments

Response:

{ "payment\_amount":124, "loan\_id":4, "payment\_date":"2012-12-12" }

-------------------------------------------

Type: Update

METHOD: PUT

Endpoint: /api/payments/<pk>/edit/

Request:

{ "payment\_amount":555, "loan\_id":4, "payment\_date":"2012-12-12" }

Purpose: To update the existing payment.

Response:

{ "payment\_amount":555, "loan\_id":4, "payment\_date":"2012-12-12" }

----------------------------------

Type: DELETE

METHOD: DELETE

Endpoint: /api/payments/<pk>/delete/

Request:

{

}

Purpose: TO delete the payment.

Response:

null

Users

User Add (Registration)

Endpoint: /user/add/

Method: POST

Request:

{

“username”: “someuser”,

“password”: “somepassword”,

“email”: “[someuser@somecompany.com](mailto:someuser@somecompany.com)”,

“first\_name”: “can\_be\_left\_empty”,

“last\_name”: “can\_be\_left\_empty”,

“is\_staff”: false,

"permissions": {

"loan": {

"create": true,

"retrieve": true,

"update": true,

"delete": true

},

“loantype”: {

“create”: true

},

“payment”: {

“update”: false

},

“user: {

“delete”: true

}

}

}

Note: In permissions, only the permissions to be set can be supplied in request. But it will be a good practice to include all permissions for all CRUD operations and objects.

Response:

{

'msg': 'User created successfully'

}

User Update

Endpoint: /users/<username>/edit/

Method: POST

Request:

{

"email": "radha@sita.com",

"password": "radheradhe",

“permissions”: {

"loan": {

"create": true,

"retrieve": true,

"update": true,

"delete": true

},

“loantype”: {

“create”: true

},

“payment”: {

“update”: false

},

“user: {

“delete”: true

}

}

}

Note: Only the fields to be edited should be included in the request data for user update. Username cannot be changed.See notes in user add section for permissions details.

Response:

{

“msg”: “success”

}

Check Authentication Token

Method: POST

Endpoint: /api/check-token/

Request:

{

“token”: “string”,

}

Response:

{

“msg”: “Authentication token found”,

“username”: “string”

}

Description:

This endpoint checks the avalailabilty of the authentication token. If Authentication token in not found or missing, msg part has the corresponding message and username part is empty string in the response.

Check Loan Detail and breakdown

METHOD: POST

ENDPOINT: /api/check-loan-detail/

Request:

{

"loan\_type": "Ghar Jagga",

"dob": "1990-10-8",

"loan\_amount": 1000000

}

DOB should be in “yyyy-mm-dd” format.

Response:

{

"msg": "Success",

"loan\_detail": {

"loanname": 1,

"employee\_name": "Harke Haldaar",

"employee\_id": 1234,

"recruitdate": "2012-02-02",

"position": "",

"loanamount": "500000.00",

"status": "DRAFTS",

"permanent\_address": "Kathmandu",

"temporary\_address": "Kathmandu",

"DOB": "2012-02-02",

"lalpurja": null,

"malpot\_receipt\_1": null,

"malpot\_receipt\_2": null,

"verified\_map": null,

"blue\_print": null,

"committee\_sifaris": null,

"marriage\_certificate": null,

"mun\_vdc\_sifaris": null,

"dristibandha": null,

"close\_house\_photo": null,

"inspection\_report": null,

"anusuchi\_six\_form": null,

"submission\_form": "/media/Harke%20Haldaar/photo\_6PU8fvU.png",

"voucher": null,

"debit\_credit": null,

"quotation": null,

"memo": null,

"credit\_note": null,

"approved\_letter": null

},

"breakdown": [

{

"payment\_no": 1,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 7656.83,

"interest": 1416.67,

"extra\_payments": 1416.67,

"balance": 490926.5

},

{

"payment\_no": 2,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 7682.541583333334,

"interest": 1390.9584166666668,

"extra\_payments": 2807.628416666667,

"balance": 480436.33

},

{

"payment\_no": 3,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 7712.263731666666,

"interest": 1361.2362683333336,

"extra\_payments": 4168.8646850000005,

"balance": 468555.2015833334

},

{

"payment\_no": 4,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 7745.926928847222,

"interest": 1327.573071152778,

"extra\_payments": 5496.437756152778,

"balance": 455312.8368983334

},

{

"payment\_no": 5,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 7783.446962121388,

"interest": 1290.0530378786113,

"extra\_payments": 6786.49079403139,

"balance": 440742.89914218057

},

{

"payment\_no": 6,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 7824.728452430489,

"interest": 1248.7715475695118,

"extra\_payments": 8035.262341600901,

"balance": 424882.90834814915

},

{

"payment\_no": 7,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 7869.6650930135775,

"interest": 1203.8349069864228,

"extra\_payments": 9239.097248587324,

"balance": 407774.14600654825

},

{

"payment\_no": 8,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 7918.139919648113,

"interest": 1155.3600803518868,

"extra\_payments": 10394.457328939212,

"balance": 389461.5487579609

},

{

"payment\_no": 9,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 7970.025611852444,

"interest": 1103.474388147556,

"extra\_payments": 11497.931717086769,

"balance": 369993.5914290217

},

{

"payment\_no": 10,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 8025.184824284439,

"interest": 1048.3151757155615,

"extra\_payments": 12546.24689280233,

"balance": 349422.15971193486

},

{

"payment\_no": 11,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 8083.4705474828515,

"interest": 990.0294525171488,

"extra\_payments": 13536.276345319478,

"balance": 327802.41281913256

},

{

"payment\_no": 12,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 8144.726497012458,

"interest": 928.7735029875423,

"extra\_payments": 14465.04984830702,

"balance": 305192.63647381304

},

{

"payment\_no": 13,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 8208.787529990863,

"interest": 864.712470009137,

"extra\_payments": 15329.762318316158,

"balance": 281654.08662550605

},

{

"payment\_no": 14,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 8275.480087894399,

"interest": 798.0199121056005,

"extra\_payments": 16127.782230421759,

"balance": 257250.82430718988

},

{

"payment\_no": 15,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 8344.622664462962,

"interest": 728.877335537038,

"extra\_payments": 16856.6595659588,

"balance": 232049.54207676812

},

{

"payment\_no": 16,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 8416.026297449156,

"interest": 657.4737025508431,

"extra\_payments": 17514.133268509642,

"balance": 206119.38251080932

},

{

"payment\_no": 17,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 8489.49508288604,

"interest": 584.0049171139598,

"extra\_payments": 18098.1381856236,

"balance": 179531.74924229967

},

{

"payment\_no": 18,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 8564.82671048015,

"interest": 508.6732895198491,

"extra\_payments": 18606.811475143448,

"balance": 152360.11105667608

},

{

"payment\_no": 19,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 8641.81301867275,

"interest": 431.68698132724893,

"extra\_payments": 19038.498456470697,

"balance": 124679.79958153263

},

{

"payment\_no": 20,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 8720.240567852325,

"interest": 353.2594321476758,

"extra\_payments": 19391.757888618373,

"balance": 96567.80112506193

},

{

"payment\_no": 21,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 8799.891230145658,

"interest": 273.60876985434214,

"extra\_payments": 19665.366658472714,

"balance": 68102.54323644355

},

{

"payment\_no": 22,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 8880.54279416341,

"interest": 192.95720583659008,

"extra\_payments": 19858.323864309303,

"balance": 39363.67657797084

},

{

"payment\_no": 23,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 8961.969583029082,

"interest": 111.53041697091737,

"extra\_payments": 19969.85428128022,

"balance": 10431.852713661538

},

{

"payment\_no": 24,

"payment\_date": "some\_date",

"payment": 9073.5,

"principal": 9043.94308397796,

"interest": 29.556916022041026,

"extra\_payments": 19999.41119730226,

"balance": -18611.50156761868

}

]

}

Description: This endpoint takes authorization token in header of request and gives the details of the specified loan and its monthly breakdown.

Password Check

METHOD: POST

ENDPOINT: /api/check-password/

Request:

{

"password": "dahaldahal"

}

Response:

{

"msg": "Accepted"

}

Description: Used for checking if the user has entered the correct password.

-------------------------------------------------------------------------------

NOTE: Every request needs authorization token in headers like this: (Token<space>token)

eg:

Token 7cuf8987fhdshfazxlksdjfdsiofue9845749857

For filetype you should use form-data request type.