API Document

1. **Configuration:**

* After clone the project, **must** run below commands,
  + composer require laravel/passport
  + php artisan migrate
  + php artisan passport:install
  + php artisan db:seed
* After run the seed command, seeder will insert one default admin user, so we can use this admin to approve the other users.
  + Username : admin@aspire.test
  + Password : password

1. **Flow Summary:**

* Only API s are created, no blade templates were added.
* There are two account types admin users and normal users.
* As mentioned in above **Configuration** section, default admin user will be inserted when run seed command.
* Normal user can register and must get the approval from the admin before login.
* Once the user is approved, then they can login and submit loan application.
* Admin need to review and approve the loan application.
* Once the load is approved, system automatically calculate the first month repayment installment and will be available to user to pay.
* User can see their installment records and then make payment.
* Once payment is done, then admin need to approve the payment.
* If admin approved the installment payment, then system will auto create the next month repayment installment and will be available to user to make payment.
* Admin user cannot submit loan application for themselves, this is because to avoid the unwanted loan approval and rejection action conflicts.
* Admin user can submit for other users (non admin users) by using their ID.

1. **Register:**

Description:

* User can register using this endpoint.
* Need to add **is\_admin=Y** parameter if want to add admin user.
* Expect **is\_admin** param all the other parameters are mandatory.
* After successful registration, user cannot login, need to get approval by admin user.
* Must use the unique email.

URL:

http://SERVER\_BASE\_URL/api/v1/auth/signup

Method:

POST

Request:

* name – String | Required
* email – Email | Required
* password – String | Required
* password\_confirmation – String | Same as password | Required
* is\_admin – Optional.
  + Values – Y or N

Response:

* Status – Error or Success
* message - Success or error message

Sample Response:

{

"status": "Success",

"message": "User Successfully Registered",

"data": {

"name": "Test",

"email": "test@test.com ",

"updated\_at": "2020-10-19T12:57:12.000000Z",

"created\_at": "2020-10-19T12:57:12.000000Z",

"id": 7

},

"code": 200

}

1. **Login:**

Description:

* Once the user get approved, then use this endpoint to login and get the authorization token.
* Only approved user can login.
* After successfully logged in, it will return authorization token, we must use this token for all the API request.

URL:

http://SERVER\_BASE\_URL/api/v1/auth/login

Method:

POST

Request:

* email – Registered Email | Required
* password – String | Required

Response:

* Status – Error or Success
* message - Success or error message
* data – After successfully logged in, token details is placed here.

Sample Response:

{

"status": "Success",

"message": "Successfully Logged In",

"data": {

"accessToken": "eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJhdWQiOiIxIiwianRpIjoiOGJmZmU1NmM5MDJhNjY4ODQ0YTYxMzMyNTlhMWIzMThjZjgzMTZlYjg0NzRjOGFhNTcxNmNkNjg4NTlmNjZmYjE5OGRiODZmNmVkY2I4NjQiLCJpYXQiOjE2MDMwODA4MjQsIm5iZiI6MTYwMzA4MDgyNCwiZXhwIjoxNjM0NjE2ODI0LCJzdWIiOiIxIiwic2NvcGVzIjpbXX0.ekAKWEY4fCFo3LZN4ZuvugN6YUxuFeXvuSS0IUAadOwcyXU\_oznPFlNtP5HnB3pMYzxtkysVB\_yQjxmnuxFxOXxp7t1u8l4s-7aRCfLTACgktDZwA8gwu0SwA8MWVWoOgrHujLwm9spUwA5NtUu2kXM0QZRhiM8KA2U1PcMHjh6dgrUnJI9HW8JTmrBfvKC40vWJs6wDpSAi3dFkMW1AyPymBNv1rx9Ie7sE6AztRqCA\_mMby1SObyxGp2eHb5X9Xc1SQK9YZxm37YOZjMW003C4Dqsvyp0WBb27vTlzc6wFwiizjurIaYQLv\_QeUGsd\_0SE6-mAQfe\_V95X23-fChIoOYqzi4Q90g0ZcEi25VuFyCXtbqkfoerd-yEYGwN13JpUanRDc9ihNIRAy991RWaBn861-NH-qsofJP97Ns8A\_7IGDAqDytmRRdEJyle8cC-G9rZ1tHOjhKHCEpB\_fSptz1DgZlTjh7PO1k5yNJujzFePtubyPyzHiDzr-6x1lZEi4VmldthEkZQbCVTDjPwRoyduLNt-1z7vgpu\_0DsvH-4JmaYStCnF9lfnojoOp8Ijf8SmhXK2wSN0JdpmeOp\_luPGO16yRTYi0s40snoElYarlsZ5UaSm529ZF4nEOZ2m5NG3SwZxVis4ZqlSW-Rs\_VwwU6r9NYojgcKfJjU",

"token": {

"id":

"8bffe56c902a668844a6133259a1b318cf8316eb8474c8aa5716cd68859f66fb198db86f6edcb864",

"user\_id": 1,

"client\_id": 1,

"name": **null**,

"scopes": [],

"revoked": **false**,

"created\_at": "2020-10-19 04:13:44",

"updated\_at": "2020-10-19 04:13:44",

"expires\_at": "2021-10-19T04:13:44.000000Z"

}

},

"code": 200

}

1. **Admin Approve User:**

Description:

* This end point is only for admin to approve or reject the registered user..
* This end point need admin auth token.

URL:

http:// SERVER\_BASE\_URL /api/v1/ admin/user/

Method:

POST

Request:

* user\_id – Required
  + value – ID of the user.
* status – Required
  + value – approved or rejected.

Response:

* Status – Error / Success
* message - Success or error message

Sample Response:

{

"status": "Success",

"message": "User Record Updated Successfully",

"data": {

"id": 6,

"name": "Shafeek",

"email": "shafeek@test.coa",

"email\_verified\_at": **null**,

"is\_admin": "Y",

"status": "approved",

"created\_at": "2020-10-19T12:44:37.000000Z",

"updated\_at": "2020-10-19T12:50:14.000000Z"

},

"code": 200

}

1. **Get User Detail:**

Description:

* This end point will return the logged in user’s details.
* This end point need auth token.

URL:

http:// SERVER\_BASE\_URL /api/v1/auth/user

Method:

GET

Request:

* No Request parameter.

Response:

* Status – Error / Success
* message - Success or error message
* data – Logged In user’s details..

Sample Response:

{

"status": "Success",

"message": "Fetched User",

"data": {

"id": 3,

"name": "Approved User",

"email": "approved@aspire.test",

"email\_verified\_at": **null**,

"is\_admin": "N",

"status": "approved",

"created\_at": "2020-10-17T07:44:49.000000Z",

"updated\_at": "2020-10-17T07:44:49.000000Z"

},

"code": 200

}

1. **Submitting New Loan Application:**

Description:

* This endpoint is used for submitting new loan application.
* This new loan application can be submitted only by the normal user.
* Admin should approve the loan application.
* Admin cannot submit new loan application; this is because to avoid the unwanted loan approval and rejection action conflicts.
* If admin user wants to submit application for themselves, then they want to register as a normal user.
* Admin user can submit application for other normal users(non admin user), to submit application for other user, then they need to send the id of that user in **user\_id** parameter

URL:

http:// SERVER\_BASE\_URL/api/v1/user/loan-application

Method:

POST

Request:

* loan\_term - Required.
  + Values - **12Months** or **36Months** or **64Months**
* repayment\_frequency – Required
  + Values – **weekly** or **monthly** or **yearly**
* loan\_amount – Required | Decimal.
  + Values – 1200
* user\_id - Optional | int | only required if logged user is admin.
  + Values – id of the user.

Response:

* Status – Error / Success
* message - Success or error message
* data – Logged In user’s details..

Sample Response:

{

"status": "Success",

"message": "Loan has been successfully added",

"data": {

"loan\_term": "12Months",

"repayment\_frequency": "weekly",

"loan\_amount": "12000.05",

"user\_id": "2",

"application\_no": "LA-00000003",

"approved\_status": "pending",

"application\_date": "2020-10-19T00:00:00.000000Z",

"current\_payment\_status": "",

"updated\_at": "2020-10-19T14:02:32.000000Z",

"created\_at": "2020-10-19T14:02:32.000000Z",

"id": 3

},

"code": 200

}

1. **Updating Loan Application:**

Description:

* This endpoint is used for updating loan application.
* We cannot edit the other user’s loan application expect admin.

URL:

http:// SERVER\_BASE\_URL/api/v1/user/loan-application/{LOAN\_APPLICATION\_NUMBER}

Method:

PUT

Request:

* Fields which are need to update.
* user\_id - Optional | int | only required if logged user is admin.
  + Values – id of the user.

Response:

* Status – Error / Success
* message - Success or error message
* data – Boolean

Sample Response:

{

"status": "Success",

"message": "Successfully Edited the Loan Application",

"data": **true**,

"code": 200

}

1. **Deleting Loan Application:**

Description:

* This endpoint is used for deleting the loan application.
* We cannot delete the other user’s loan application.

URL:

http:// SERVER\_BASE\_URL/api/v1/user/loan-application/{LOAN\_APPLICATION\_NUMBER}

Method:

DELETE

Request:

* No Request parameter..

Response:

* Status – Error / Success
* message - Success or error message
* data – Boolean

Sample Response:

{

"status": "Success",

"message": "Successfully deleted the Loan Application",

"data": 1,

"code": 200

}

1. **Admin Approve Loan Application:**

Description:

* This endpoint is only for admin and used for approve the loan application by admin.
* Cannot update same status again and again to avoid the extra request to database.
* When admin approve the loan application, system will automatically calculate each monthly instalment for that loan and also insert the first month instalment record for that user.
* Then user can pay for the installment.

URL:

http:// SERVER\_BASE\_URL/api/v1/admin/loan-application/{LOAN\_APPLICATION\_NUMBER}

Method:

POST

Request:

* approved\_status – Required |
  + Values – approved or rejected

Response:

* Status – Error / Success
* message - Success or error message

Sample Response:

{

"status": "Success",

"message": "Loan Application Record Updated Successfully",

"data": {

"id": 3,

"user\_id": 2,

"application\_no": "LA-00000003",

"loan\_term": "12Months",

"repayment\_frequency": "weekly",

"loan\_amount": "12000.05",

"each\_instalment\_payment\_amount": 231,

"total\_repaid\_loan\_amount": **null**,

"approved\_status": "approved",

"application\_date": "2020-10-19T00:00:00.000000Z",

"current\_payment\_status": "",

"created\_at": "2020-10-19T14:02:32.000000Z",

"updated\_at": "2020-10-19T14:26:01.000000Z",

"deleted\_at": **null**

},

"code": 200

}

1. **Fetch Repayment Installment List for the Loan :**

Description:

* This endpoint is used to fetch the repayment installment list for a loan.
* Owner of the user can only see their loan details.
* Admin can see all the user’s loan details.

URL:

http:// SERVER\_BASE\_URL/api/v1/ user/loan-repayment-list/{LOAN\_APPLICATION\_NUMBER} /{STATUS\_FILTER}

Method:

GET

Request:

* LOAN\_APPLICATION\_NUMBER – Required.
  + Value – loan application number. Ex - LA-00000003
* STATUS\_FILTER – Required.
  + Value – all or paid or pending

Response:

* Status – Error / Success
* message - Success or error message

Sample Response:

{

"status": "Success",

"message": "Successfully Fetched Loan Payment List",

"data": [

{

"id": 1,

"user\_id": 3,

"loan\_application\_id": 1,

"loan\_repayment\_amount": "289.00",

"status": "paid",

"payment\_date": "2020-10-19T00:00:00.000000Z",

"created\_at": "2020-10-19T04:48:40.000000Z",

"updated\_at": "2020-10-19T05:25:15.000000Z",

"deleted\_at": **null**

},

{

"id": 2,

"user\_id": 3,

"loan\_application\_id": 1,

"loan\_repayment\_amount": "289.00",

"status": "processing",

"payment\_date": "2020-10-19T00:00:00.000000Z",

"created\_at": "2020-10-19T05:25:15.000000Z",

"updated\_at": "2020-10-19T05:28:24.000000Z",

"deleted\_at": **null**

},

{

"id": 3,

"user\_id": 2,

"loan\_application\_id": 3,

"loan\_repayment\_amount": "231.00",

"status": "pending",

"payment\_date": **null**,

"created\_at": "2020-10-19T14:26:01.000000Z",

"updated\_at": "2020-10-19T14:26:01.000000Z",

"deleted\_at": **null**

}

],

"code": 200

}

1. **User Make Payment for Installment:**

Description:

* This endpoint is only for user to pay monthly/weekly instalment
* Once admin approved the loan and system auto created the record for installment, then user can pay for that instalment.
* Once the user submitted the payment then admin need to approve the payment. Then only next installment will be auto generated

URL:

http:// SERVER\_BASE\_URL/api/v1/user/pay-instalment/LOAN\_INSTALLMENT\_DETAIL\_ID}

Method:

POST

Request:

* No Request

Response:

* Status – Error / Success
* message - Success or error message

Sample Response:

{

"status": "Success",

"message": "Successfully Submitted Payment.",

"data": **true**,

"code": 200

}

1. **Admin Approve Loan Repayment Installment Amount:**

Description:

* This endpoint is only for admin and used for approve or reject the loan repayment installment paid by user.
* After admin approve the current payment, then system automatically create the next month repayment installment.
* Admin cannot approve payment, before the client make payment or the record is in Pending status.

URL:

http:// SERVER\_BASE\_URL/api/v1/ admin/payment-update/{ LOAN\_INSTALLMENT\_DETAIL\_ID}

Method:

POST

Request:

* status – Required |
  + Values – paid or failed

Response:

* Status – Error / Success
* message - Success or error message

Sample Response:

{

"status": "Success",

"message": "Successfully Updated the Payment",

"data": {

"id": 2,

"user\_id": 3,

"loan\_application\_id": 1,

"loan\_repayment\_amount": "289.00",

"status": "paid",

"payment\_date": "2020-10-19T00:00:00.000000Z",

"created\_at": "2020-10-19T05:25:15.000000Z",

"updated\_at": "2020-10-19T14:52:06.000000Z",

"deleted\_at": **null**

},

"code": 200

}

1. **Logout:**

Description:

* This endpoint is used to logout and revoke the token.

URL:

http:// SERVER\_BASE\_URL/api/v1/auth/logout

Method:

POST

Request:

* No parameters.

Response:

* Status – Error / Success
* message - Success or error message

Sample Response:

{

"status": "Success",

"message": "Successfully Logged Out",

"data": "",

"code": 200

}