

Laporan Final Project BackEnd Go Fiber
“Sistem Pelaporan Prestasi Mahasiswa”



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Link Repository Project Di Github :

<https://github.com/masterlearn22/student-performance-report.git>

Hasil Pengujian project Di Swagger

1. Auth

a. Login

b. Refresh

c. Logout

d. Profile

GET /auth/profile GetUser Profile

Get currently logged in user profile

Parameters

No parameters

Execute Clear

Responses

Response content type application/json

Curl

```
[REDACTED]
```

Request URL

```
http://localhost:8888/api/v1/auth/profile
```

Server response

Code Details

200 Response body

```
{ "id": "3333333-2222-2222-2222-222222222222", "username": "admin Utama Jago", "fullname": "Admin Utama Jago", "role": "admin", "permissions": [ "achievement:create", "achievement:read", "achievement:update", "achievement:delete", "achievement:verify" ] }
```

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Response headers

```
content-length: 233  
content-type: application/json  
date: Mon, 24 Nov 2025 17:34:14 GMT
```

Responses

Code Description

200 OK

Example Value | Model

```
{ "fullname": "string", "id": "string", "permissions": [ "string" ], "role": "string" }
```

2. Users (Admin)

a. GetAllUsers

Users Endpoint for Admin to manage users (Admin Only)

GET /users Get All Users

Get list of all users (Admin only)

Parameters

No parameters

Responses

Execute **Clear**

Response content type application/json

Curl

```
curl -X GET \  
  http://localhost:8080/api/v1/users \\  
  -H "Accept: application/json" \\  
  -H "Authorization: Bearer "
```

Request URL

http://localhost:8080/api/v1/users

Server response

Code Details

200

Response body

```
[  
  {  
    "id": "11111111-1111-1111-1111-111111111111",  
    "username": "doucette",  
    "email": "doucette@taylorbelles.com",  
    "full_name": "Dawan Naki Taylor Belles",  
    "is_active": true,  
    "created_at": "2025-11-27T12:00:00Z",  
    "updated_at": "2025-11-27T12:00:00Z"  
  },  
  {  
    "id": "22222222-2222-2222-2222-222222222222",  
    "username": "doucette",  
    "email": "doucette@taylorbelles.com",  
    "full_name": "Dawan Naki Doucette",  
    "is_active": true,  
    "created_at": "2025-11-27T12:00:00Z",  
    "updated_at": "2025-11-27T12:00:00Z"  
  },  
  {  
    "id": "33333333-3333-3333-3333-333333333333",  
    "username": "doucette",  
    "email": "doucette@taylorbelles.com",  
    "full_name": "Dawan Naki Taylor Belles",  
    "is_active": true,  
    "created_at": "2025-11-27T12:00:00Z",  
    "updated_at": "2025-11-27T12:00:00Z"  
  }]
```

Responses header

```
content-length: 12200  
content-type: application/json  
date: Mon, 26 Nov 2025 17:00:00 GMT
```

Code Description

200 (%

b. GetUserById

c. CreateUser

The screenshot shows the Postman interface with a POST request to the '/users' endpoint. The request body is a JSON object representing a new user:

```
{
  "email": "masterrole@mail.com",
  "full_name": "Master Role",
  "password": "11111111-1111-1111-1111-111111111111",
  "role_id": "11111111-1111-1111-1111-111111111111",
  "is_active": true
}
```

The response section shows a successful 200 status code with the following JSON data:

```
{
  "id": "d577771-9fc-40c7-adfa-00264319e43b",
  "username": "master",
  "email": "masterrole@mail.com",
  "full_name": "Master Role",
  "role_id": "11111111-1111-1111-1111-111111111111",
  "is_active": true,
  "created_at": "2023-11-28T00:44:31.8179760+00:00",
  "updated_at": "2023-11-28T00:44:31.8179760+00:00"
}
```

d. UpdateUser

The screenshot shows the Postman interface with a PUT request to the '/users/{id}' endpoint. The request body contains JSON data for updating an existing user:

```
{
  "id": "11111111-1111-1111-1111-111111111111",
  "username": "master_role",
  "email": "masterrole@mail.com",
  "full_name": "Master Role Updated",
  "role_id": "11111111-1111-1111-1111-111111111111",
  "is_active": true
}
```

The response section shows a successful 200 status code with the updated user data:

```
{
  "id": "d577771-9fc-40c7-adfa-00264319e43b",
  "username": "master",
  "email": "masterrole@mail.com",
  "full_name": "Master Role Updated",
  "role_id": "11111111-1111-1111-1111-111111111111",
  "is_active": true,
  "created_at": "2023-11-28T00:44:31.8179760+00:00",
  "updated_at": "2023-11-28T00:44:31.8179760+00:00"
}
```

e. DeleteUser

a. AssignRole

PUT /users/{id}/role Assign Role to User

Change user role (Admin only)

Parameters

Name Description

id * required User UUID
string
(path)
015de84c-9676-4e29-aae4-6370a56c6a1d

request * required Role ID
object
(body)
Edit Value : Model

{
 "roleId": "33333333-1111-1111-1111-111111111111"
}

Cancel

Parameter content type
application/json

Execute **Clear**

Responses

Response content type application/json

curl
curl 'http://localhost:8080/api/v1/users/015de84c-9676-4e29-aae4-6370a56c6a1d/role' -X PUT -H 'Content-Type: application/json' -H 'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJsb2dpbi5jb21lLmNvbSIsImlhdCI6MTY1NTQyMjUyOTkxLCJleHAiOjE2MjUyOTkxLCJpZGVudGl0eSI6ImV4cG9tZW50ZWdlciIsInN1YiI6ImFkbWluZWdlciJ9' -d '{
 "roleId": "33333333-1111-1111-1111-111111111111"
}'
4

http://localhost:8080/api/v1/users/015de84c-9676-4e29-aae4-6370a56c6a1d/role

Server response

Code Details

200

Response body

```
[{"message": "role assigned"}]
```

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Response headers

```
content-length: 27  
content-type: application/json  
date: Mon, 20 Nov 2023 17:54:41 GMT
```

Cancel

- 3. Achievements
 - a. GetAllAchievements

b. GetAchievementDetail

c. CreateAchievement

POST /achievements Create New Achievement Draft (Student only)

Parameters

Name	Description
request * required object (body)	Achievement Data Edit Value Model

```
{
  "achievementType": "competition",
  "title": "Finalis 10 Besar ASEAN AI Innovation Challenge 2025",
  "description": "Meraih gelar finalis 10 besar dalam kompetisi pengembangan aplikasi dengan representasi solusi AI untuk deteksi emosi melalui HWV.",
  "tags": "[\"ai\", \"machine learning\", \"innovation\"]",
  "points": 100,
  "details": {
    "competitionName": "ASEAN AI Innovation Challenge 2025",
    "competitionLevel": "international",
    "rank": 10,
    "name": "none",
    "eventDate": "2025-11-20T11:00:00Z",
    "location": "Expo Connection Centre",
    "organizer": "ASEAN Digital Council",
    "score": 97.3
  }
}
```

Responses

```
curl -X POST \
http://localhost:8080/api/v1/achievements \
-H 'Accept: application/json' \
-H 'Content-Type: application/json' \
-H 'Content-Type: application/json' \
-d '{
  "achievementType": "competition",
  "title": "Finalis 10 Besar ASEAN AI Innovation Challenge 2025",
  "description": "Meraih gelar finalis 10 besar dalam kompetisi pengembangan aplikasi dengan representasi solusi AI untuk deteksi emosi melalui HWV.",
  "tags": "[\"ai\", \"machine learning\", \"innovation\"]",
  "points": 100,
  "details": {
    "competitionName": "ASEAN AI Innovation Challenge 2025",
    "competitionLevel": "international",
    "rank": 10,
    "name": "none",
    "eventDate": "2025-11-20T11:00:00Z",
    "location": "Expo Connection Centre",
    "organizer": "ASEAN Digital Council",
    "score": 97.3
  }
}'
```

Request URL: <http://localhost:8080/api/v1/achievements>

Server response

Code	Details
201	Response body

```
{"id": "52e374b-3011-4556-b295-b19942b63511",
 "message": "Achievement created successfully",
 "status": "draft"}
```

d. UpdateAchievement

PUT /achievements/{id} Update Achievement

Parameters

Name	Description
id * required	Achievement ID (UUID)
string (body)	52e374b-3011-4556-b295-b19942b63511

request * required object (body) Updated Data
Edit Value Model

```
{
  "achievementType": "competition",
  "title": "Finalis 10 Besar ASEAN AI Innovation Challenge 2025",
  "description": "Meraih gelar finalis 10 besar dalam kompetisi pengembangan aplikasi dengan representasi solusi AI untuk deteksi emosi melalui HWV.",
  "tags": "[\"ai\", \"machine learning\", \"innovation\"]",
  "points": 100,
  "details": {
    "competitionName": "ASEAN AI Innovation Challenge 2025",
    "competitionLevel": "international",
    "rank": 10,
    "name": "none",
    "eventDate": "2025-11-20T11:00:00Z",
    "location": "Expo Connection Centre",
    "organizer": "ASEAN Digital Council",
    "score": 98.1
  }
}
```

Responses

```
curl -X PUT \
http://localhost:8080/api/v1/achievements/52e374b-3011-4556-b295-b19942b63511 \
-H 'Accept: application/json' \
-H 'Content-Type: application/json' \
-H 'Content-Type: application/json' \
-d '{
  "achievementType": "competition",
  "title": "Finalis 10 Besar ASEAN AI Innovation Challenge 2025",
  "description": "Meraih gelar finalis 10 besar dalam kompetisi pengembangan aplikasi dengan representasi solusi AI untuk deteksi emosi melalui HWV.",
  "tags": "[\"ai\", \"machine learning\", \"innovation\"]",
  "points": 100,
  "details": {
    "competitionName": "ASEAN AI Innovation Challenge 2025",
    "competitionLevel": "international",
    "rank": 10,
    "name": "none",
    "eventDate": "2025-11-20T11:00:00Z",
    "location": "Expo Connection Centre",
    "organizer": "ASEAN Digital Council",
    "score": 98.1
  }
}'
```

Request URL: <http://localhost:8080/api/v1/achievements/52e374b-3011-4556-b295-b19942b63511>

Server response

Code	Details
200	Response body

```
{ "message": "Achievement updated successfully" }
```

e. DeleteAchievement

f. SubmitAchievement

POST /achievements/{id}/submit Submit Achievement

Submit a draft achievement for verification (Student only)

Parameters

Name Description

id * required Achievement ID (UUID)
string
(path)
52e37e4b-3811-4856-b895-b19942b63511

Execute Clear

Responses

Response content type application/json

Curl

```
curl -X 'POST' \
  'http://localhost:8080/api/v1/achievements/52e37e4b-3811-4856-b895-b19942b63511/submit' \
  -H 'Accept: application/json' \
  -H 'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOjIiJmFtaWxpdW50aXTEXlTEXlNTExM50aXTEXlTEXlNTExM50aXTEXlCzb2xI5WQ101IyIjYjYt0x0XTElTEXlNTExM50aXTEXlNTExM50aXTEXlCzb2xI7mT2Zi'
  -d ''
```

Request URL

```
http://localhost:8080/api/v1/achievements/52e37e4b-3811-4856-b895-b19942b63511/submit
```

Server response

Code Details

200 Response body

```
{
  "message": "Achievement submitted for verification",
  "status": "Success"
}
```

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g. VerifyAchievement

h. RejectAchievement

i. GetAchievementHistory

j. UploadAttachments

POST /achievements/{id}/attachments Upload Attachment

Upload a file attachment for an achievement (Draft only)

Parameters

Name **Description**

id * required Achievement ID (UUID)
string
(path)
9cbceffc-9a1a-4cc3-85cd-bd9bb25873f2

file * required File to upload
file
(formData)
 762206.jpg

Execute **Clear**

Responses

Response content type

Curl

```
curl -X 'POST'  
  'http://localhost:8888/api/v1/achievements/9cbceffc-9a1a-4cc3-85cd-bd9bb25873f2/attachments'  
  -H 'Accept: application/json'  
  -H 'Access-Control-Allow-Origin: *'  
  -H 'Content-Type: multipart/form-data'  
  -F 'file=@762206.jpg;type=image/jpeg'
```

Request URL

<http://localhost:8888/api/v1/achievements/9cbceffc-9a1a-4cc3-85cd-bd9bb25873f2/attachments>

Server response

Code **Details**

200 Response body

```
{  
  "data": {  
    "fileName": "762206.jpg",  
    "fileId": "uploads/d7fb83fe-61bb-43bc-91a0-79582899dbf9.jpg",  
    "fileType": "image/jpeg",  
    "uploadDate": "2023-11-27T01:17:16.6808793+07:00"  
  },  
  "message": "File uploaded successfully"  
}
```

4. Students & Lecturers

a. GetAllStudents

GET /students GetAll Students

Get list of all students

Parameters

No parameters

Execute Clear

Responses

Response content type application/json

Curl

```
curl -X 'GET' \
'http://localhost:8088/api/v1/students' \
-H 'Accept: application/json' \
-H 'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInRscCI&lt;kpXVC39.eyJ1c2VycHJpY2lhbWxvZ2luMjAxMDAwMCBvNTExLTexNTExRTExNTExMTE1Cjyb2x1SwQ0I1zRzRzRzRyBxNTExLTexNTExRTExNTExMTE1Cjyb2x1TmFtZS'
d
```

Request URL

<http://localhost:8088/api/v1/students>

Server response

Code Details

200 Response body

```
[{"id": "70000000-0000-0000-0000-000000000001", "user_id": "a1010000-1111-1111-1111-111111111111", "student_id": "N1N0001", "program_study": "Teknik Informatika", "name": "Muhammad Ahsan", "advisor_id": "a1011111-1111-1111-111111111111", "created_at": "2025-11-22T12:50:37.589932", "full_name": ""}, {"id": "70000000-0000-0000-0000-000000000002", "user_id": "a1010000-1111-1111-1111-111111111111", "student_id": "N1N0003", "program_study": "Teknik Informatika", "name": "Muhammad Ahsan", "academic_year": "2023", "advisor_id": "a1011111-1111-1111-111111111111", "created_at": "2025-11-22T12:50:37.589932", "full_name": ""}, {"id": "70000000-0000-0000-0000-000000000004", "user_id": "a1040000-1111-1111-1111-111111111111", "student_id": "N1N0004", "program_study": "Teknik Informatika", "name": "Muhammad Ahsan", "academic_year": "2023", "advisor_id": "a1033333-3333-3333-333333333333", "created_at": "2025-11-22T12:50:37.589932", "full_name": ""}]
```

Download

b. GetStudentsByID

GET /students/{id} Get Student by ID

Get specific student details

Parameters

Name Description

id * required Student UUID
string (path) 70000000-0000-0000-0000-000000000001

Execute Clear

Responses

Response content type application/json

Curl

```
curl -X 'GET' \
'http://localhost:8088/api/v1/students/70000000-0000-0000-0000-000000000001' \
-H 'Accept: application/json' \
-H 'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInRscCI&lt;kpXVC39.eyJ1c2VycHJpY2lhbWxvZ2luMjAxMDAwMCBvNTExLTexNTExRTExNTExMTE1Cjyb2x1SwQ0I1zRzRzRzRyBxNTExLTexNTExRTExNTExMTE1Cjyb2x1TmFtZS'
d
```

Request URL

<http://localhost:8088/api/v1/students/70000000-0000-0000-0000-000000000001>

Server response

Code Details

200 Response body

```
{ "id": "70000000-0000-0000-0000-000000000001", "user_id": "a1010000-1111-1111-1111-111111111111", "student_id": "N1N0001", "program_study": "Teknik Informatika", "name": "Muhammad Ahsan", "advisor_id": "a1011111-1111-1111-111111111111", "created_at": "2025-11-22T12:50:37.589932", "full_name": "Muhammad Ahsan"}]
```

Download

c. GetStudentAchievements

d. UpdateStudentAdvisor

PUT /students/{id}/advisor Update Student Advisor

Assign or change lecturer advisor for a student

Parameters

Name Description

id * required Student UUID
string
(path)
7000000-0000-0000-0000-000000000003

request * required Lecturer UUID
object
(body)

Edit Value : Model

```
{ "lecturerId": "a103333-3333-3333-3333-333333333333" }
```

Cancel

Parameter content type
application/json

Execute Clear

Responses

curl -X PUT 'http://localhost:8080/api/v1/students/7000000-0000-0000-0000-000000000003/advisor' -d '{ \"lecturerId\": \"a103333-3333-3333-3333-333333333333\" }' -H 'Content-Type: application/json'

Response content type application/json

Curl

```
curl -X PUT 'http://localhost:8080/api/v1/students/7000000-0000-0000-0000-000000000003/advisor' -d '{ \"lecturerId\": \"a103333-3333-3333-3333-333333333333\" }' -H 'Content-Type: application/json'
```

Request URL
<http://localhost:8080/api/v1/students/7000000-0000-0000-0000-000000000003/advisor>

Server response

Code Details

200 Response body

```
{ "message": "adviser_updated" }
```

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e. GetAllLecturers

f. GetLecturerByID

GET /lecturers/{id}/advisees Get Lecturer Advisees

Get list of students advised by this lecturer

Parameters

Name	Description
id <small>required</small> string (path)	Lecturer UUID <input type="text" value="a1033333-3333-3333-3333-333333333333"/>

Execute **Clear**

Responses

Response content type application/json

Curl

```
curl -X 'GET' \
  'http://localhost:8080/api/v1/lecturers/a1033333-3333-3333-3333-333333333333/advisees' \
  -H 'Content-Type: application/json' \
  -H 'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJsb2xlSGVzdC1hbmVzLmF1dGhvcml0eSIsInN1YnNjcmliIjoiZG9tYWluLWxpbmUuZGV2ZWx1ZCIsImV4cCI6MTYwMjQyNTk1fQ.'
```

Request URL

```
http://localhost:8080/api/v1/lecturers/a1033333-3333-3333-3333-333333333333/advisees
```

Server response

Code Details

200 Response body

```
[{"id": "7e0000-0000-0000-000000000004", "user_id": "a1033333-3333-3333-3333-333333333333", "student_id": "XNM02", "programme": "Bachelor of Information", "academic_year": "2023", "advisor_id": "a1033333-3333-3333-3333-333333333333", "registered_at": "2023-11-27T12:58:07.389932", "full_name": ""}, {"id": "7e0000-0000-0000-000000000005", "user_id": "a1033333-3333-3333-3333-333333333333", "student_id": "XNM07", "programme": "Bachelor of Information", "academic_year": "2023", "advisor_id": "a1033333-3333-3333-3333-333333333333", "registered_at": "2023-11-27T12:58:07.389932", "full_name": ""}, {"id": "7e0000-0000-0000-000000000006", "user_id": "a1033333-3333-3333-3333-333333333333", "student_id": "XNM02", "programme": "Bachelor of Information", "academic_year": "2022", "advisor_id": "a1033333-3333-3333-3333-333333333333", "registered_at": "2023-11-27T12:58:07.389932", "full_name": ""}]
```

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- 5. Reports & Analytics
 - a. GetGlobalStatistic

b. GetStudentReport

6. Hasil Unit Testing

```
D:\Personal\Kuliah\SEMESTER 5\Backend(Praktikum)\student-performance-report>go test -v ./app/service/unit_testing/...
==== RUN TestGetAllUsers
==== RUN TestGetAllUsers/Success:_Admin_gets_all_users
==== RUN TestGetAllUsers/Forbidden:_Student_cannot_get_users
--- PASS: TestGetAllUsers (0.00s)
    --- PASS: TestGetAllUsers/Success:_Admin_gets_all_users (0.00s)
    --- PASS: TestGetAllUsers/Forbidden:_Student_cannot_get_users (0.00s)
==== RUN TestCreateUser
==== RUN TestCreateUser/Success:_AdminCreatesUser
--- PASS: TestCreateUser (0.12s)
    --- PASS: TestCreateUser/Success:_AdminCreatesUser (0.12s)
==== RUN Test GetUserByID
==== RUN Test GetUserByID/Success:_GetOwnProfile_(non-admin)
==== RUN Test GetUserByID/Forbidden:_GetOtherProfile_(non-admin)
--- PASS: Test GetUserByID (0.00s)
    --- PASS: Test GetUserByID/Success:_GetOwnProfile_(non-admin) (0.00s)
    --- PASS: Test GetUserByID/Forbidden:_GetOtherProfile_(non-admin) (0.00s)
==== RUN TestCreateAchievement
==== RUN TestCreateAchievement/Success:_CreateDraftAchievement
==== RUN TestCreateAchievement/Error:_StudentProfileNotFound
--- PASS: TestCreateAchievement (0.00s)
    --- PASS: TestCreateAchievement/Success:_CreateDraftAchievement (0.00s)
    --- PASS: TestCreateAchievement/Error:_StudentProfileNotFound (0.00s)
==== RUN TestSubmitAchievement
==== RUN TestSubmitAchievement/Success:_SubmitDraft
==== RUN TestSubmitAchievement/Error:_CannotSubmitNonDraft
--- PASS: TestSubmitAchievement (0.00s)
    --- PASS: TestSubmitAchievement/Success:_SubmitDraft (0.00s)
    --- PASS: TestSubmitAchievement/Error:_CannotSubmitNonDraft (0.00s)
==== RUN TestVerifyAchievement
==== RUN TestVerifyAchievement/Success:_LecturerVerifiesAchievement
--- PASS: TestVerifyAchievement (0.00s)
    --- PASS: TestVerifyAchievement/Success:_LecturerVerifiesAchievement (0.00s)
==== RUN TestLogin
==== RUN TestLogin/Success:_LoginWithValidCredentials
==== RUN TestLogin/Error:_InvalidPassword
==== RUN TestLogin/Error:_UserNotFound
==== RUN TestLogin/Error:_InactiveAccount
--- PASS: TestLogin (0.72s)
    --- PASS: TestLogin/Success:_LoginWithValidCredentials (0.24s)
    --- PASS: TestLogin/Error:_InvalidPassword (0.24s)
    --- PASS: TestLogin/Error:_UserNotFound (0.00s)
    --- PASS: TestLogin/Error:_InactiveAccount (0.24s)
==== RUN TestProfile
==== RUN TestProfile/Success:_GetProfile
==== RUN TestProfile/Error:_UserNotFound_(ID_from_Token_invalid_in_DB)
--- PASS: TestProfile (0.00s)
    --- PASS: TestProfile/Success:_GetProfile (0.00s)
    --- PASS: TestProfile/Error:_UserNotFound_(ID_from_Token_invalid_in_DB) (0.00s)
==== RUN TestLogout
==== RUN TestLogout/Success:_Logout
--- PASS: TestLogout (0.00s)
    --- PASS: TestLogout/Success:_Logout (0.00s)
==== RUN Test GetAllLecturers
==== RUN Test GetAllLecturers/Success:_GetAllLecturers
==== RUN Test GetAllLecturers/Error:_DatabaseError
--- PASS: Test GetAllLecturers (0.00s)
    --- PASS: Test GetAllLecturers/Success:_GetAllLecturers (0.00s)
    --- PASS: Test GetAllLecturers/Error:_DatabaseError (0.00s)
```

```

==== RUN TestGetLecturerByID
==== RUN TestGetLecturerByID/Success: _Get_Lecturer_Found
==== RUN TestGetLecturerByID/Error: _Lecturer_Not_Found
--- PASS: TestGetLecturerByID (0.00s)
    --- PASS: TestGetLecturerByID/Success: _Get_Lecturer_Found (0.00s)
    --- PASS: TestGetLecturerByID/Error: _Lecturer_Not_Found (0.00s)
==== RUN TestGetAdvisees
==== RUN TestGetAdvisees/Success: _Get_Advisees
==== RUN TestGetAdvisees/Error: _Database_Error
--- PASS: TestGetAdvisees (0.00s)
    --- PASS: TestGetAdvisees/Success: _Get_Advisees (0.00s)
    --- PASS: TestGetAdvisees/Error: _Database_Error (0.00s)
==== RUN TestGetStatistics
==== RUN TestGetStatistics/Success: _Get_Global_Stats_with_Student_Details
==== RUN TestGetStatistics/Error: _Mongo_DB_Failure
--- PASS: TestGetStatistics (0.00s)
    --- PASS: TestGetStatistics/Success: _Get_Global_Stats_with_Student_Details (0.00s)
    --- PASS: TestGetStatistics/Error: _Mongo_DB_Failure (0.00s)
==== RUN TestGetStudentReport
==== RUN TestGetStudentReport/Success: _Get_Student_Report_with_Profile
==== RUN TestGetStudentReport/Error: _Mongo_DB_Failure
==== RUN TestGetStudentReport/Error: _Invalid_UUID_Format
==== RUN TestGetStudentReport/Success: _Student_Not_Found_in_Postgres_(Return_Stats_without_Name)
--- PASS: TestGetStudentReport (0.00s)
    --- PASS: TestGetStudentReport/Success: _Get_Student_Report_with_Profile (0.00s)
    --- PASS: TestGetStudentReport/Error: _Mongo_DB_Failure (0.00s)
    --- PASS: TestGetStudentReport/Error: _Invalid_UUID_Format (0.00s)
    --- PASS: TestGetStudentReport/Success: _Student_Not_Found_in_Postgres_(Return_Stats_without_Name) (0.00s)
==== RUN TestGetAllStudents
==== RUN TestGetAllStudents/Success: _Get_all_students
==== RUN TestGetAllStudents/Error: _Database_Failure
--- PASS: TestGetAllStudents (0.00s)
    --- PASS: TestGetAllStudents/Success: _Get_all_students (0.00s)
    --- PASS: TestGetAllStudents/Error: _Database_Failure (0.00s)
==== RUN TestGetStudentByID
==== RUN TestGetStudentByID/Success: _Get_student_by_ID
==== RUN TestGetStudentByID/Error: _Invalid_UUID_format
==== RUN TestGetStudentByID/Error: _Student_Not_Found
--- PASS: TestGetStudentByID (0.00s)
    --- PASS: TestGetStudentByID/Success: _Get_student_by_ID (0.00s)
    --- PASS: TestGetStudentByID/Error: _Invalid_UUID_format (0.00s)
    --- PASS: TestGetStudentByID/Error: _Student_Not_Found (0.00s)
==== RUN TestGetStudentAchievements
==== RUN TestGetStudentAchievements/Success: _Get_achievements
==== RUN TestGetStudentAchievements/Error: _Repo_Failure
--- PASS: TestGetStudentAchievements (0.00s)
    --- PASS: TestGetStudentAchievements/Success: _Get_achievements (0.00s)
    --- PASS: TestGetStudentAchievements/Error: _Repo_Failure (0.00s)
==== RUN TestUpdateAdvisor
==== RUN TestUpdateAdvisor/Success: _Update_Advisor
==== RUN TestUpdateAdvisor/Error: _Invalid_Lecturer_UUID_in_Body
--- PASS: TestUpdateAdvisor (0.00s)
    --- PASS: TestUpdateAdvisor/Success: _Update_Advisor (0.00s)
    --- PASS: TestUpdateAdvisor/Error: _Invalid_Lecturer_UUID_in_Body (0.00s)
PASS
ok    student-performance-report/app/service/unit_testing    3.329s

```

7. Tampilan Swagger

Schemes Authorize

Authentication Endpoint for user authentication and login

POST	/auth/login	User Login		
POST	/auth/logout	User Logout		
GET	/auth/profile	Get User Profile		
POST	/auth/refresh	Refresh Access Token		

Users Endpoint for Admin to manage users (Admin Only)

GET	/users	Get All Users		
POST	/users	Create New User		
GET	/users/{id}	Get User by ID		
PUT	/users/{id}	Update User		
DELETE	/users/{id}	Delete User		
PUT	/users/{id}/role	Assign Role to User		

Achievements Endpoint for achievement data

GET	/achievements	Get List of Achievements		
POST	/achievements	Create New Achievement Draft		
GET	/achievements/{id}	Get Achievement Detail		
PUT	/achievements/{id}	Update Achievement		
DELETE	/achievements/{id}	Delete Achievement		
POST	/achievements/{id}/attachments	Upload Attachment		
GET	/achievements/{id}/history	Get Achievement History		
POST	/achievements/{id}/reject	Reject Achievement		
POST	/achievements/{id}/submit	Submit Achievement		
POST	/achievements/{id}/verify	Verify Achievement		

Students & Lecturers Endpoint for student and lecturer data

GET	/lecturers	GetAll Lecturers		
GET	/lecturers/{id}/advisees	Get Lecturer Advisees		
GET	/students	Get All Students		
GET	/students/{id}	Get Student by ID		
GET	/students/{id}/achievements	Get Student Achievements		
PUT	/students/{id}/advisor	Update Student Advisor		

Reports Endpoint for generating reports and statistics

GET	/reports/statistics	Get Global Statistics		
GET	/reports/student/{id}	Get Student Report		

Models	^
models.Achievement >	
models.AchievementDetails >	
models.Attachment >	
models.Lecturer >	
models.LoginResponse >	
models.PaginatedResponse >	
models.PaginationMeta >	
models.Student >	
models.User >	
models.UserResp >	