



Module Code & Module Title
CS6004 Application Development

Submission Type
Assignment Report

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Declaration

I confirm that I understand my assignment needs to be submitted online via My Second Teacher under the relevant module page before the deadline to be accepted and marked. I am fully aware that late submission will be treated as non-submission and a mark of zero will be award

Screenshots of registering Sir.

The screenshot displays a REST client interface for a POST request to the endpoint `/api/Auth/register-sir`. The request body is a JSON object containing email and password. The response is a 200 status code with the message "Sir registered successfully."

| POST /api/Auth/register-sir | |
|---|---|
| Parameters | |
| No parameters | |
| Request body | |
| <pre>{ "email": "Sir3@gmail.com", "password": "Sir3@Sir3" }</pre> | |
| Execute | |
| Responses | |
| Curl | |
| <pre>curl -X 'POST' \ 'https://localhost:7078/api/Auth/register-sir' \ -H 'accept: */*' \ -H 'Content-Type: application/json' \ -d '{ "email": "Sir3@gmail.com", "password": "Sir3@Sir3" }'</pre> | |
| Request URL | |
| <pre>https://localhost:7078/api/Auth/register-sir</pre> | |
| Server response | |
| Code | Details |
| 200 | Response body |
| | <pre>Sir registered successfully.</pre> |

```
[HttpPost("register-sir")]

public async Task<IActionResult> RegisterAsSir([FromBody] CredentialDto model)
{
    var user = new IdentityUser { UserName = model.Email, Email = model.Email };
    var result = await _userManager.CreateAsync(user, model.Password);

    if (result.Succeeded)
    {
        await _userManager.AddToRoleAsync(user, "Sir");
        return Ok("Sir registered successfully.");
    }

    return BadRequest(result.Errors);
}
```

Screenshots of registering Bidyarthi

The screenshot displays a REST client interface for a POST request to the endpoint `/api/Auth/register-Bidyarthi`. The request body is a JSON object containing email and password. The response is a 200 status code with the message "Bidyarthi registered successfully."

POST `/api/Auth/register-Bidyarthi`

Parameters
No parameters

Request body

```
{
  "email": "Bidyarthi2@gmail.com",
  "password": "Bidyarthi2@"
}
```

Execute

Responses

Curl

```
curl -X 'POST' \
  'https://localhost:7078/api/Auth/register-Bidyarthi' \
  -H 'accept: */*' \
  -H 'Content-Type: application/json' \
  -d '{
    "email": "Bidyarthi2@gmail.com",
    "password": "Bidyarthi2@"
  }'
```

Request URL

```
https://localhost:7078/api/Auth/register-Bidyarthi
```

Server response

| Code | Details |
|------|--|
| 200 | <p>Response body</p> <pre>Bidyarthi registered successfully.</pre> |

```
[HttpPost("register-Bidyarthi")]
0 references
public async Task<IActionResult> RegisterAsBidyarthi([FromBody] CredentialDto model)
{
    var user = new IdentityUser { UserName = model.Email, Email = model.Email };
    var result = await _userManager.CreateAsync(user, model.Password);

    if (result.Succeeded)
    {
        await _userManager.AddToRoleAsync(user, "Bidyarthi");
        return Ok("Bidyarthi registered successfully.");
    }

    return BadRequest(result.Errors);
}
```

Screenshots of Endpoint only accessible by Sir

```
[Authorize(Roles = "Sir")]
[HttpGet("forSirOnly")]
0 references
public IActionResult forSir()
{
    return Ok("Yes, you are a Sir!");
}
```

POST /api/Auth/login

Parameters

No parameters

Request body

```
{
  "email": "Sir1@gmail.com",
  "password": "Sir1@gmail.com"
}
```

Responses

Curl

```
curl -X 'POST' \
  'https://localhost:7078/api/Auth/login' \
  -H 'accept: */*' \
  -H 'Content-Type: application/json' \
  -d '{
    "email": "Sir1@gmail.com",
    "password": "Sir1@gmail.com"
  }'
```

Request URL

```
https://localhost:7078/api/Auth/login
```

Server response

| Code | Details |
|------|--|
| 200 | <p>Response body</p> <pre>Logged in successfully.</pre> |

GET /api/Auth/forSirOnly

Parameters

No parameters

Execute

Responses

Curl

```
curl -X 'GET' \
  'https://localhost:7078/api/Auth/forSirOnly' \
  -H 'accept: */*'
```

Request URL

```
https://localhost:7078/api/Auth/forSirOnly
```

Server response

| Code | Details |
|------|--|
| 200 | <p>Response body</p> <pre>Yes, you are a Sir!</pre> |

Screenshots of Endpoint accessible by Bidyarthi which can able be accessed by Sir as well

```
[Authorize(Roles = "Bidyarthi, Sir")]
[HttpGet("forBidyarthi")]
0 references
public IActionResult forBidyarthi()
{
    if (User.IsInRole("Sir"))
    {
        return Ok("Yes, you are a Sir but this is for Bidyarthi!");
    }
    else
    {
        return Ok("Yes, you are a Bidyarthi!");
    }
}
```

POST /api/Auth/login

Parameters

No parameters

Request body

```
{
  "email": "Bidyarthi1@gmail.com",
  "password": "Bidyarthi1@gmail.com"
}
```

Exe

Responses

Curl

```
curl -X 'POST' \
  'https://localhost:7078/api/Auth/login' \
  -H 'accept: */*' \
  -H 'Content-Type: application/json' \
  -d '{
    "email": "Bidyarthi1@gmail.com",
    "password": "Bidyarthi1@gmail.com"
  }'
```

Request URL

```
https://localhost:7078/api/Auth/login
```

Server response

| Code | Details |
|------|--|
| 200 | Response body Logged in successfully. |

GET `/api/Auth/forBidyarthi`

Parameters

No parameters

Execute

Responses

Curl

```
curl -X 'GET' \
  'https://localhost:7078/api/Auth/forBidyarthi' \
  -H 'accept: */*'
```

Request URL

`https://localhost:7078/api/Auth/forBidyarthi`

Server response

| Code | Details |
|------|--|
| 200 | <div>Response body</div> <div><code>Yes, you are a Bidyarthi!</code></div> |

POST /api/Auth/login

Parameters

No parameters

Request body

```
{
  "email": "Sir1@gmail.com",
  "password": "Sir1@gmail.com"
}
```

Responses

Curl

```
curl -X 'POST' \
  'https://localhost:7078/api/Auth/login' \
  -H 'accept: */*' \
  -H 'Content-Type: application/json' \
  -d '{
    "email": "Sir1@gmail.com",
    "password": "Sir1@gmail.com"
  }'
```

Request URL

```
https://localhost:7078/api/Auth/login
```

Server response

| Code | Details |
|------|--|
| 200 | <div>Response body</div> <div>Logged in successfully.</div> |

GET

/api/Auth/forBidyarthi

Parameters

No parameters

Execute

Responses

Curl

```
curl -X 'GET' \
  'https://localhost:7078/api/Auth/forBidyarthi' \
  -H 'accept: */*'
```

Request URL

```
https://localhost:7078/api/Auth/forBidyarthi
```

Server response

| Code | Details |
|------|--|
| 200 | <div><div>Response body</div><div><pre>Yes, you are a Sir but this is for Bidyarthi!</pre></div></div> |

All endpoints in the project

```
[HttpPost("register")]
0 references
public async Task<IActionResult> Register([FromBody] CredentialDto model)...

[HttpPost("register-admin")]
0 references
public async Task<IActionResult> RegisterAsAdmin([FromBody] CredentialDto model)...

[HttpPost("register-sir")]
0 references
public async Task<IActionResult> RegisterAsSir([FromBody] CredentialDto model)...

[HttpPost("register-Bidyarthi")]
0 references
public async Task<IActionResult> RegisterAsBidyarthi([FromBody] CredentialDto model)...

[HttpPost("login")]
0 references
public async Task<IActionResult> Login([FromBody] CredentialDto model)...

[HttpPost("logout")]
0 references
public async Task<IActionResult> Logout()...
```

Auth

GET /api/Auth/users

GET /api/Auth/GetRoles

GET /api/Auth/forSirOnly

GET /api/Auth/forSirOnly2

GET /api/Auth/forSirOnly3

GET /api/Auth/forBidyarthi

GET /api/Auth/forBidyarthi2

POST /api/Auth/register

POST /api/Auth/register-admin

POST /api/Auth/register-sir

POST /api/Auth/register-Bidyarthi

POST /api/Auth/login

POST /api/Auth/logout