

TASK - 10

Attribute Routing with constraints with errors:

min constraint:

The id should be minimum of 10 else it will show the error.

```
rollers > C# WeatherForecastController.cs > ( ) ActionFilter.Controllers >  
[ApiController]  
[Route("[controller]")]  
0 references  
public class UserController : ControllerBase  
{  
    0 references  
    public string Get()  
    {  
        return "User Page";  
    }  
    [Route("{id:int:min(10)}")]  
    0 references  
    public string GetById(int id)  
    {  
        return "Hello Int : " + id;  
    }  
}
```

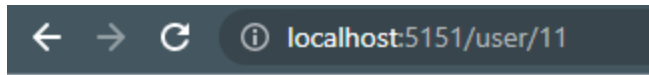


This localhost page can't be found

No webpage was found for the web address: <http://localhost:5151/user/1>

HTTP ERROR 404

Reload



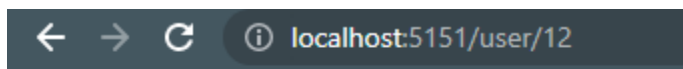
Hello Int : 11

max constraint:

The minimum value should be 10 and the maximum value should be less than 20 else the second method gets executed.

```
{
  0 references
  public string Get()
  {
    return "User Page";
  }
  [Route("{id:int:min(10):max(20)}")]
  0 references
  public string GetById(int id)
  {
    return "Hello Int : " + id;
  }

  [Route("{id}")]
  0 references
  public string GetByIdString(string id)
  {
    return "Hello String : " + id;
  }
}
```



Hello Int : 12

range constraint:

```
{
  0 references
  public string Get()
  {
    return "User Page";
  }
  [Route("{id:int:range(10,20)}")]
  0 references
  public string GetById(int id)
  {
    return "Hello Int : " + id;
  }

  [Route("{id}")]
  0 references
  public string GetByIdString(string id)
  {
    return "Hello String : " + id;
  }
}
```

← → ↻ ⓘ localhost:5151/user/19

Hello Int : 19

← → ↻ ⓘ localhost:5151/user/2

Hello String : 2

minlength constraint:

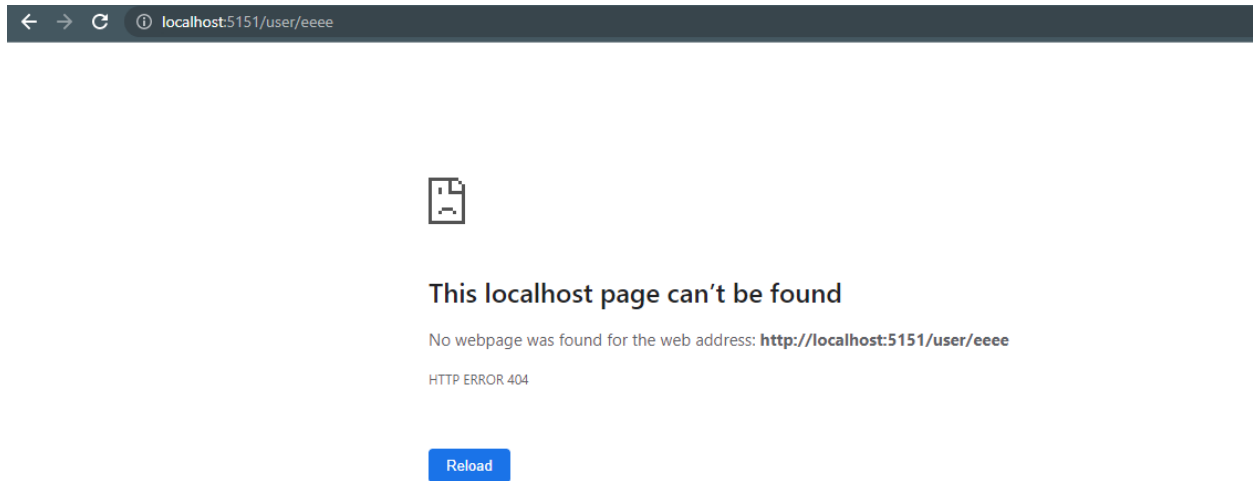
```
0 references
public string Get()
{
    return "User Page";
}
[Route("{id:int:range(10,20)}")]
0 references
public string GetById(int id)
{
    return "Hello Int : " + id;
}

💡 [Route("{id:minlength(5)}")]
0 references
public string GetByIdString(string id)
{
    return "Hello String : " + id;
}
}
```

← → ↻ ⓘ localhost:5151/user/eeeeok

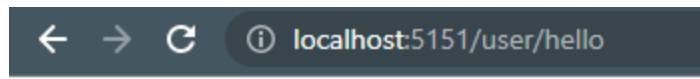
Hello String : eeeeeok

There are only 4 characters in the string. Hence the error page is displayed.



maxlength constraint:

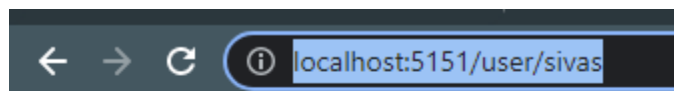
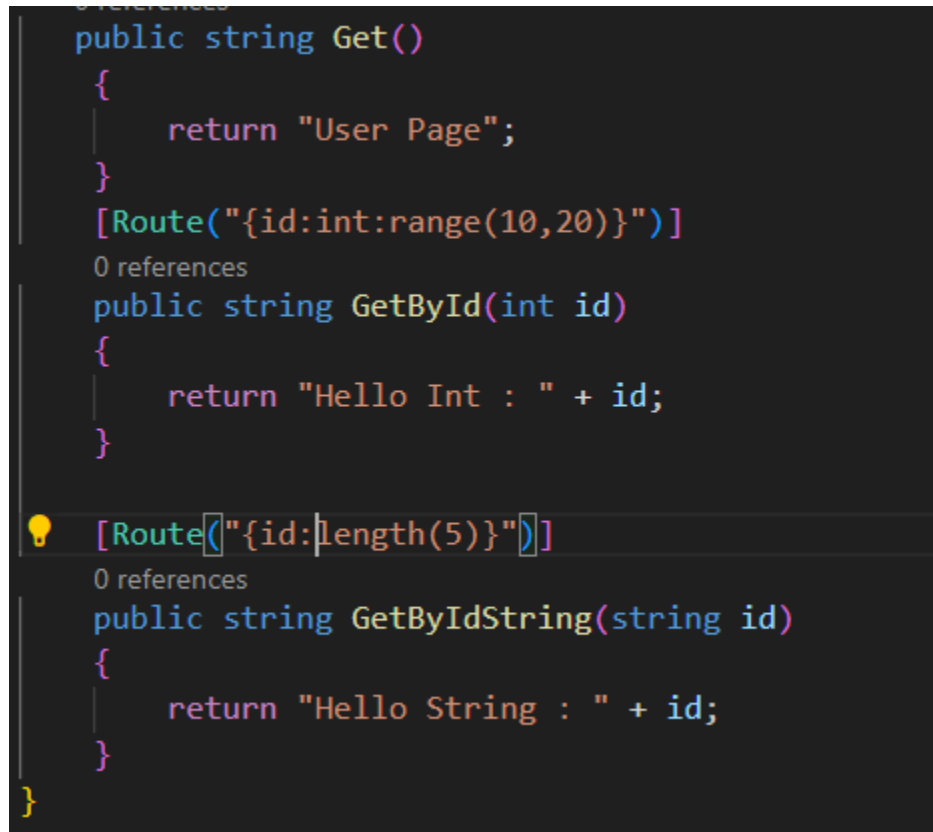
```
0 references
public string Get()
{
    return "User Page";
}
[Route("{id:int:range(10,20)}")]
0 references
public string GetById(int id)
{
    return "Hello Int : " + id;
}
[Route("{id:maxlength(5)}")]
0 references
public string GetByIdString(string id)
{
    return "Hello String : " + id;
}
```



Hello String : hello

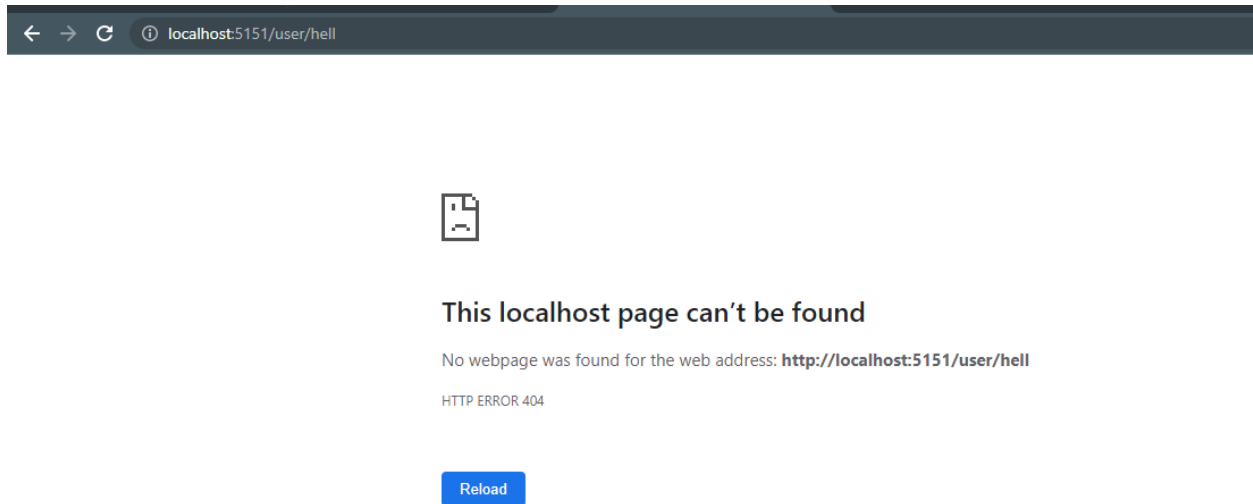
length constraint:

Length should be exactly of 5 characters else error page is displayed.



Hello String : sivas

Only 4 characters. So the error page is displayed.

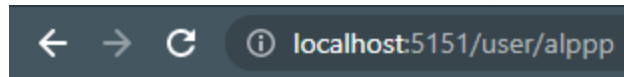


alpha constraint:

Only alphabets are allowed.

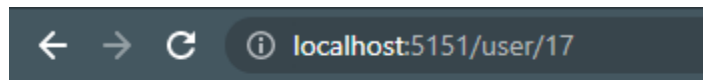
```
0 references
public string Get()
{
    return "User Page";
}
[Route("{id:int:range(10,20)}")]
0 references
public string GetById(int id)
{
    return "Hello Int : " + id;
}

[Route("{id:alpha}")]
0 references
public string GetByIdString(string id)
{
    return "Hello String : " + id;
}
```



Hello String : alppp

No alphabets so the other method is executed.



Hello Int : 17

If it is alphanumeric, error page occurs.



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No webpage was found for the web address: <http://localhost:5151/user/user17>

HTTP ERROR 404

Reload

regex constraint:


```
public string Get()
{
    return "User Page";
}
[Route("{id:int:range(10,20)}")]
0 references
public string GetById(int id)
{
    return "Hello Int : " + id;
}

💡 [[Route("{id:regex(a(b|c))}")] ]
0 references
public string GetByIdString(string id)
{
    return "Hello String : " + id;
}
}
```

← → ↻ ⓘ localhost:5151/user/abccc

Hello String : abccc

← → ↻ ⓘ localhost:5151/user/akk



This localhost page can't be found

No webpage was found for the web address: <http://localhost:5151/user/akk>

HTTP ERROR 404

Reload