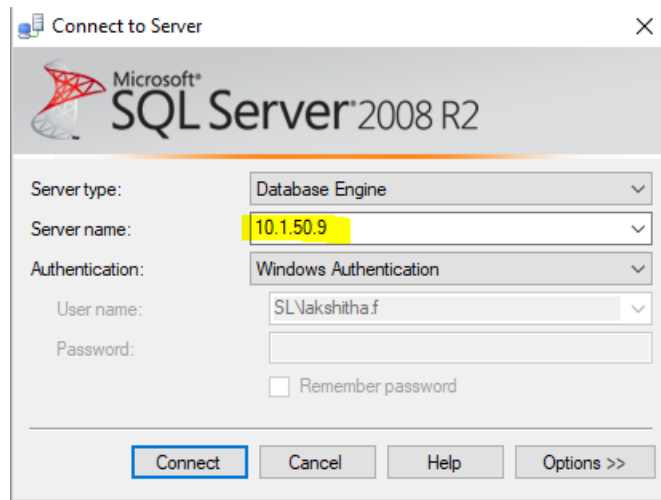


User Guide to Recruitment Workflow Process

System Requirements

- Visual Studio 2017
- SQL Server 2008 R2 or higher
- Postman

1. Download the source code from GIT Hub Repo
(<https://github.com/LakshithaFernando/ascentic-recruitment-workflow-process>)
2. Execute the attached db script, this will create a database (Recruitment), relevant tables and insert sample data.
3. Get the sql connection instance name and replace it in the connection string in the appsettings. json file in the RecruitmentProcessAPI project.



```
},  
  "Console": {  
    "LogLevel": {  
      "Default": "Warning"  
    }  
  },  
  "ConnectionStrings": {  
    "RecruitmentContext": "Data Source=LAKSHITHA-LAP;Initial Catalog=Recruitment;Integrated Security=True"  
  }  
}
```

appsettings. json

- In the Recruitment Process workflow there five main workflow steps have been already defined.
 - I. Selection
 - II. Assessment
 - III. Technical Interview
 - IV. HR Interview
 - V. Final Interview

4. Press ctrl + F5 to launch the web service and client application using the default browser.

5. Then the client application will be as follows.

Recruitment Process Applicant Workflows			
Recruitment Workflow			
New Workflow			
Workflow Name	Is Active	Sequence no	
Selection	<input checked="" type="checkbox"/>	1	Edit
Assessment	<input checked="" type="checkbox"/>	2	Edit
Technical Interview	<input checked="" type="checkbox"/>	3	Edit
HR Interview	<input checked="" type="checkbox"/>	4	Edit
Final Interview	<input checked="" type="checkbox"/>	5	Edit
© 2018 - Recruitment Workflow Application			

6. The above screen displays only the active workflow steps, their status and the order of execution.

7. Each workflow can be edited by clicking the 'Edit' link.

The screenshot shows a web form titled "Edit Workflow". It contains three main input fields: "Workflow Name" with a dropdown menu showing "Selection", "Is Active" with a checked checkbox, and "Sequence no" with a text input containing the number "1". Below these fields is a "Save" button. At the bottom left of the form, there is a link labeled "Back to List".

8. Name of the workflow, status and the Sequence no can be changed by using the 'Edit Workflow' screen.

- Note that there cannot be two active workflows having the same sequence no.

This screenshot shows the "Edit Workflow" form with the "Sequence no" field set to "2". A red error message, "Sequence no cannot be duplicated.", is displayed at the bottom of the form. The "Workflow Name" field shows "Selection" and the "Is Active" checkbox is checked. The "Save" button is also visible.

9. New workflows can be created by clicking the 'New Workflow' in the 'Recruitment Workflow' screen.

- Note that there cannot be two active workflows having the same sequence no and no API end point will be created for newly added workflows.
- API end points are available only for main workflows (Pre-defined ones).

10. All the workflows can be viewed in 'Workflows' tab including Inactive ones.

Workflows

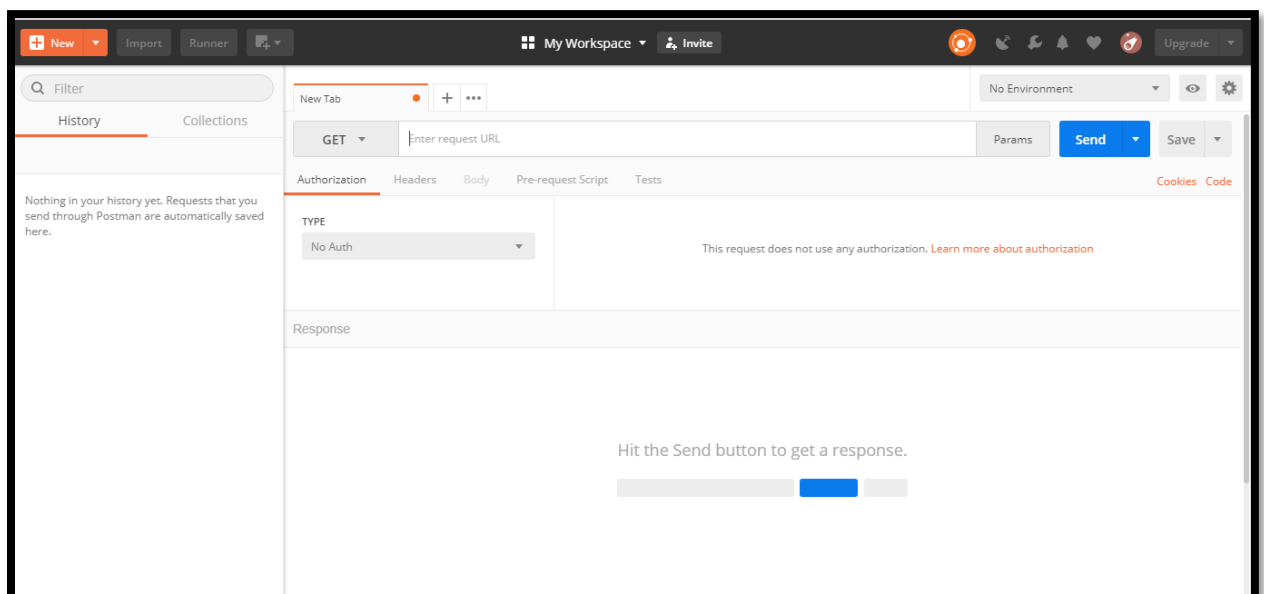
[New Workflow](#)

Workflow Name	Is Active	Sequence no	
Selection	<input checked="" type="checkbox"/>	1	Edit
Assessment	<input checked="" type="checkbox"/>	2	Edit
Technical Interview	<input checked="" type="checkbox"/>	3	Edit
HR Interview	<input checked="" type="checkbox"/>	4	Edit
Final Interview	<input checked="" type="checkbox"/>	5	Edit
Sample Interview	<input type="checkbox"/>	6	Edit
sample 2 Interview	<input type="checkbox"/>	7	Edit

API end point testing

Postman has to be launched in order to test API end points. Let's assume order of the main workflow steps have not been changed. Following are POST requests for each of the endpoint with their request body.

1. Launch the Postman.



2. Change the method type from GET to POST and copy the server URL and paste it in the text area.

POST ▼	http://localhost:5000/api
--------	---------------------------

3. Workflow step – **Selection**

Replace the URL with the following path.

Routing path	"api/recruitment/selection/{orderId}/{applicantNo}"
Example	http://localhost:49180/api/recruitment/selection/1/883240111V
Success	IsAseniorDeveloper = true AND IsGraduate = true AND YearsOfExperience >= 5

- I. Then click Body tab, raw and select JSON (application/json) from the data types list.

- II. Add the following text in the text area.

```
{
  "IsAseniorDeveloper" : 1,
  "IsGraduate" : 1,
  "YearsOfExperience" : 6
}
```

- III. Click on Send button to update the data.

4. Workflow step – **Assessment**

Routing path	"api/recruitment/assessment/{orderId}/{applicantNo}"
Success	IsCoreAPIused= true AND (IsAngularUsed= true OR IsMvcUsed = true)AND IsDIused = true

And the request body will be as follows.

```
{
  "IsCoreAPIused" : 1,
  "IsAngularUsed" : 1,
  "IsMvcUsed" : 1,
  "IsDIused" : 1
}
```

5. Workflow step – Technical

Routing path :	"api/recruitment/technical/{orderId}/{applicantNo}"
Success :	IsKnowDesignPattern= true AND IsKnowMVC = true

And the request body will be as follows.

```
{  
    "IsKnowDesignPattern" : 1,  
    "IsKnowMVC" : 1  
}
```

6. Workflow step – HR

Routing path	"api/recruitment/hr/{orderId}/{applicantNo}"
Success	NoticePeriod <= 2 AND Salary <= 20000 AND IsEnglishFluent = true

And the request body will be as follows.

```
{  
    "NoticePeriod" : 1,  
    "Salary": 15000,  
    "IsEnglishFluent": 1  
}
```

7. Workflow step – Final

Routing path	"api/recruitment/final/{orderId}/{applicantNo}"
Success	IsATeamPlayer = true AND IsEnglishSpeaking = true AND IsGoodPersonality = true

And the request body will be as follows.

```
{  
    "IsATeamPlayer" : 1,  
    "IsEnglishSpeaking": 1,  
    "IsGoodPersonality": 1  
}
```

View workflow status

1. Click on the Applicant tab.
 2. Enter applicant number and hit 'Search' button.
- Sample data was inserted for Applicant Id 883240111V

Applicant Status

Workflow Name	Status
Selection	Passed
Assessment	Passed
Technical Interview	Passed
HR Interview	Failed