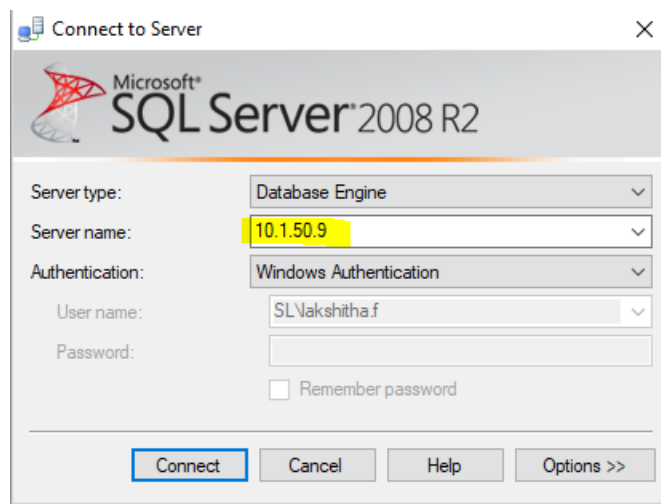# User Guide to Recruitment Workflow Process

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

1. Download the source code from GIT Hub Repo **(LINK)**

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.

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

Recruitement Workflow

New Workflow

Workflow Name	Is Active	Sequence no	
Selection	☑	1	Edit
Assessment	☑	2	Edit
Technical Interview	☑	3	Edit
HR Interview	☑	4	Edit
Final Interview	☑	5	Edit

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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.

Edit Workflow

Workflow Name	Selection
Is Active	☑
Sequence no	1

Save

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.

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.

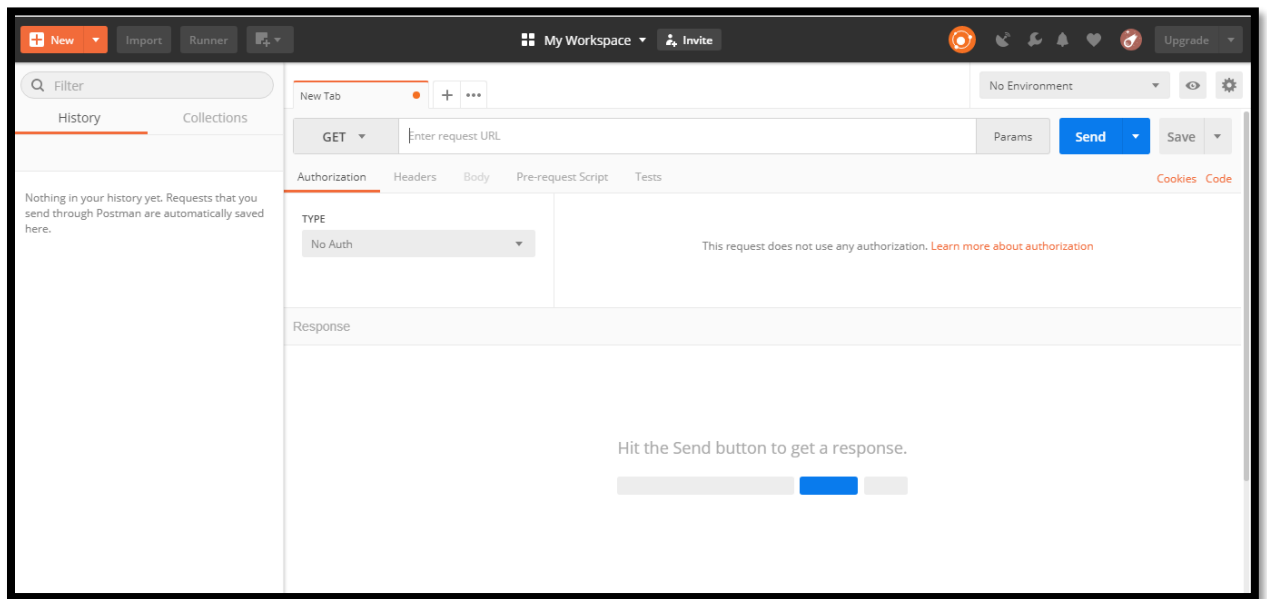- API end points are available only for main workflows (Pre-defined ones).

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

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.

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.

Applicant Status

883240111V [Search]

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