* Perquisites:
  + **Java 8** must be installed on the machine. Follow below steps if not installed.
    - If not download it from <https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>. If you have 64-bit Operating System, then use 64-bit version.
    - Set the java environment variable. Follow the post <https://java.com/en/download/help/path.xml>
* Installation Steps:
  + - code: This folder contains the codebase.
    - bundle: This folder contains the runnable Recruiting Application.
      * **run.bat** file used for launching the Recruiting Application.
      * **conf/application.properties** file contains all the properties necessary for the application to start**.(We have used externalized configuration.)**
      * **conf/logback.xml** file contains the logging configuration. This file path is configurable in **application.properties** file.
      * **lib/RecruitingApplication-0.0.1-SNAPSHOT.jar** file contains our application compiled code.

Note: Currently, application will run on **8088** port number so make sure that no other application is running on this port. If you want different port, then edit the **server.port** property in **conf/application.properties** file.

* Running Application
  + Use below URL to run the application in browser
* Add Offer Endpoint : This endpoint will insert record in Offer Table.

http://localhost:8088/RecruitingApplication/offers/

**Request Method**: POST

**Request Body JSON**

{

"jobTitle" : "Senior Software Enginner",

"startDate" : "2020-01-23"

}

**Response Body JSON**

{

"jobId": 1,

"jobTitle": "Senior Software Enginner",

"startDate": "2020-01-23T00:00:00.000+0000",

"numberOfApplications": 0,

"applications": []

}

* Get Offer EndPoint : This endpoint will get all offers from offer table.

[http://localhost:8088/RecruitingApplication/offers/](http://localhost:8088/RecruingApplication/offers/)

**Request Method**: GET

**Response Body JSON**

[{

"jobId": 1,

"jobTitle": "Senior Software Enginner",

"startDate": "2020-01-23T00:00:00.000+0000",

"numberOfApplications": 0,

"applications": []

}]

* Get Particular Offer Endpoint : This Endpoint will fetch particular job id from offer table.

http://localhost:8088/RecruitingApplication/offers/{offer\_id}

**Request Method**: GET

**Request Parameter:**

**offer\_id**: offer ID

**Response Body JSON**

{

"jobId": 1,

"jobTitle": "Senior Software Enginner",

"startDate": "2020-01-23T00:00:00.000+0000",

"numberOfApplications": 0,

"applications": []

}

* Post Application Endpoint : This Endpoint will add application in application table bound with offer.

http://localhost:8088/RecruitingApplication/offers/{offer\_id}/applications/

**Request Method**: POST

**Request Parameter:**

**offer\_id**: offer ID

**Request Body JSON**

{

"candidateEmail" : "test@test.com",

"resumeText" : "Senior Software Enginner"

}

**Response Body JSON**

{

"applicationId": 2,

"candidateEmail": "test@test.com",

"resumeText": "Senior Software Enginner",

"applicationStatus": "APPLIED"

}

* Get All Applications EndPoint : This endpoint will get all application associated with particular offer id.

[http://localhost:8088/RecruitingApplication/offers/{offer\_id}/applications/](http://localhost:8088/RecruingApplication/offers/%7boffer_id%7d/applications/)

**Request Method**: GET

**Request Parameter:**

**offer\_id**: offer ID

**Response Body JSON**

[

{

"applicationId": 2,

"candidateEmail": "test@test.com",

"resumeText": "Senior Software Enginner",

"applicationStatus": "APPLIED"

}

]

* Get Particular Application Endpoint : This Endpoint will fetch particular application associated with particular offer id.

http://localhost:8088/RecruitingApplication/offers/{offer\_id}/applications/{application\_id}

**Request Method**: GET

**Request Parameter:**

**offer\_id**: offer ID

**application\_id** : Application ID

**Response Body JSON**

{

"applicationId": 2,

"candidateEmail": "test@test.com",

"resumeText": "Senior Software Enginner",

"applicationStatus": "APPLIED"

}

* PUT Application EndPoint : This Endpoint will allow to change Application status associated with particular offer id.

http://localhost:8088/RecruitingApplication/offers/{offer\_id}/applications/{application\_id}

**Request Method**: PUT

**Request Parameter:**

**offer\_id**: offer ID

**application\_id** : Application ID

**Request Body JSON**

{

"candidateEmail" : "updated@test.com",

"resumeText" : "Developer",

"applicationStatus": "REJECTED"

}

**Response Body JSON**

{

"applicationId": 2,

"candidateEmail": "updated@test.com",

"resumeText": "Developer",

"applicationStatus": "REJECTED"

}

* Note : For Application Status Change Notification Added Log. Example : “############## Status of application#{application\_id} changed to {updated\_status}”