Requirements to make project run

* Java 8
* Tomcat 8
* MySQL DB
* Postman tool
* Maven

Steps to make project run

* Extract the ZIP file into your local machine and import as maven project.
* Create a table in DB with query CREATE TABLE STUDENT (ID INT NOT NULL auto\_increment, FULL\_NAME VARCHAR (200) NOT NULL, PHONE\_NUMBER VARCHAR (20) NOT NULL, EMAIL VARCHAR(200) NOT NULL UNIQUE, `KEY` VARCHAR(100) NOT NULL UNIQUE, ACCOUNT\_KEY VARCHAR(100) NOT NULL UNIQUE, PRIMARY KEY (id) );
* Open StashAssessmentConfig.java and change the database name, username and password to make your project configured to your database.
* Open you Vm argument and add

catalina.base="/fakePath/StashStudentRecordMonitorSystem/tomcat" Dcatalina.home="/fakePath/apache-tomcat-8.0.37"

* Under class path add all the jars from tomcat bin directory, and create an external library out of jar files in lib directory of tomcat and add it to your classpath Once you are done make sure all the jars from tomcat library are in high priority level. Which has been to load before project loads and in Main tab enter org.apache.catalina.startup.Bootstrap as main class.
* Now run your project with the help of Vm\_arguments.

Testing services

* For adding a record in database please use below URl

ENDPOINT URL: http://localhost:8080/stashAssessment/v1/users

with a sample Request json

{

"email": "mouni@gmail",

"phoneNumber": 1234567890,

"fullName": "MEGHANATH",

"password": "naninani",

"metadata": "metareason"

}

and a response Json

{

"payload": [

{

"id": 10,

"email": "mounddddi@gmail",

"phoneNumber": "1234509867890",

"fullName": "MEGHdANATH",

"password": "naninandi",

"key": "51c19a2e-524a-450f-90b2-6b8a69308aaa",

"account\_key": "37a2dc63769b62e2c0d2962d66b43baa",

"metadata": "metareason"

}

],

"code": 201,

"status": "CREATED"

}

OR

{

"payload": [

"Email already exist",

"Phone Number already Exist"

],

"code": 402,

"status": "Unprocessable Entity"

}

* For getting all records from DB for student records use the below URL

ENDPOINT URL: http://localhost:8080/stashAssessment/v1/users

{

"payload": [

{

"id": 4,

"email": "megha@gmail",

"phoneNumber": "1234567890",

"fullName": "MEGHANATH",

"password": "naninani",

"key": "611172ea-d6de-4e59-b067-0401f02c0a07",

"account\_key": "fa14769c6a680488cc9fa7e3bea4eff9",

"metadata": "metareason"

},

{

"id": 1,

"email": "m@gmail",

"phoneNumber": "31234567",

"fullName": "MR",

"password": "nani",

"key": "423",

"account\_key": "reason",

"metadata": "metareason"

}

],

"code": 200,

"status": "success"

}

* For searching on records please use below URL

ENDPOINT URL :http://localhost:8080/stashAssessment/v1/users?request=mouni@gmail

Reposne JSON

{

"payload": [

{

"id": 4,

"email": "mouni@gmail",

"phoneNumber": "1234567890",

"fullName": "MEGHANATH",

"password": "naninani",

"key": "611172ea-d6de-4e59-b067-0401f02c0a07",

"account\_key": "fa14769c6a680488cc9fa7e3bea4eff9",

"metadata": "metareason"

}

],

"code": 200,

"status": "success"

}

SAMPLE PICS





