

Instructions

6. Create 3 heroku account

| Heroku Username | Password |
|----------------------------|------------|
| mrhasan.334@gmail.com | Hridoy_111 |
| rakib.boss.hasan@gmail.com | Hridoy_111 |
| 2016000000009@seu.edu.bd | Hridoy_111 |

7. I submit the Spring Boot project of Discovery server & Proxy server .Links

discovery server - <https://discovery-server-rakib.herokuapp.com/>
gateway server - <https://discovery-server-rakib.herokuapp.com/>

8. I create all those Instance on heroku as you named . Also add an extra service named course-registration-service .

9. I use postgresql for deployment .But before it I was started with MySQL . So I include it on my zip file on folder name “All Databases”

10. Very sorry for it .For insufficient time & limitation I could not mange to create Vaadin UI . But in this short time I just create STUDENT UI ,(not all functions). It just show the student grade and has a options to register for convocation .

11. Main Instruction of my Back-End

student-admission-service : Here a student can show & update his/her profile . Also see the course Available in the Program . Student can see the offering courses for registration and also can register for that course . Student can register for convocation by that service .

| Link | Request Method | Details |
|---|----------------|-------------------------------------|
| /student/{id}/profile | GET | show profile |
| /student/{id}/edit-profile | PUT | update profile |
| /student/courses | GET | show all courses available |
| /student/registration/offer-courses | GET | show all offer courses for reg. |
| /student/registration/register-courses | POST | Course registration |
| /student/registration/register-courses/{id} | GET | See all register course by student |
| /student/convocation/register-students | POST | Register for convocation |
| /student/convocation/register-students/{id} | GET | See the details of convocation reg. |

human-resource-service : Here

Academic

- (Academic Controller) : can create course and add program with necessary details.
- Her you can access this controller by “/academic “ notation
- It GET and POST request and the controller notation add ,show all courses and Programs.

Admission :

- (Admission Controller) : Add the student on a particular Department with setting up ids .
- */admission/* notation use to access the admission controller .
- *Use GET and POST request fro all functionality*

Co-ordinator :

- (Coordinator Controller) : Offer the course for current semester also open the sections & see the students are register for.
- */coordinator/* notation use to access the coordinator controller .
- *Use GET and POST request fro all functionality*

Examination :

- (Examination Controller) : Add the student's result and see the list of the student who are register for convocation.
- */examination/* notation use to access this controller .
- *Use GET and POST request fro all functionality*

Human-resource :

- (Human resource Controller) : Add employee see all the employee list.
- */employee/* notation use to access this controller .
- *Use GET and POST request fro all functionality*

Note : All those two service I also create grade-entries-service , course-registration-service & convocation-registration-service. This 3 micro-services are connected with above those 2 services. I use here RESTful API call for connection with each other. Because for further implementation anyone can scale it up/down as their need .

Thanks for reading me .

Rakibul Hasan

Department of CSE

Southeast University ,Bangladesh