

## Assignment Deliverable:

Repository URL: <https://github.com/armanJoy/employee-salary-disbursement-poc>

1. Basic salary of the lowest grade – PATCH [/v1/salary/basic-salary](#) is used to update basic salary of lowest grade.
2. Balance of the company bank account – PATCH [/v1/salary/company-balance](#)
3. Employee Information – GET [/v1/user/employees](#)
4. Prepare CRUD functionality for each entity
  - Employee CRUD
    - Create – POST [/v1/user/create](#)
    - Read – GET [/v1/user/employees](#)
    - Update – PUT [/v1/user/update](#)
    - Delete – DELETE [/v1/user/remove](#)
  - Employee Bank Info CRUD
    - Create – POST [/v1/empbank/add](#)
    - Read – GET [/v1/empbank](#)
    - Update – PUT [/v1/empbank/update](#)
    - Delete – DELETE [/v1/empbank/remove](#)
5. Employee ID should be 4 digit and unique – implement by starting id generation sequence from 1000 using hibernate id generation policy
6. Maintain proper relation among entities – implemented using both hibernate annotations and foreign key constraints.
7. Provide proper validation to input data – validation of @Requestbody and @RequestParam payload ensures using javax.validation framework. Faulty or invalid data cannot be passed to the API. If any invalid data passed to API, the API will return a validation error message with 400 status.
8. Calculate the salary of each employee – GET [/v1/salary/employee-salary](#)
9. Transfer the salary amount from main account to employee's accounts – GET [/v1/salary/initiate-disburse](#)
10. Print / display the name, rank and salary of each employee (A salary sheet) – GET [/v1/salary/monthly-details](#)
11. Print / display the total paid salary and remaining balance of the company account – GET [/v1/salary/initiate-disburse](#)
12. Implement Login/Logout features using JWT – Implemented JWT based authentication-authorization throughout the application using Spring Security.  
POST [/v1/user/login](#)    POST [/v1/user/logout](#)
13. Angular/React frontend - Couldn't integrate frontend pages due to lack of time. My PC was not configured for React development. I faced some issue which would take more time. So I focused to backend first. In backend code I ensured all the best practices and quality coding.

