# Spring Boot Project

# Total Marks: 50 marks

# (45 for the use cases + 5 for coding standards and naming conventions)

Incorporate the following functionalities using Spring Boot in the Banking Application.

Requirements:

* Customer is identified with a customerid that is autogenerated.
* Address has plotNo,street,city and state
* Customer has name, address (one to one),email , phone no and username as foreign key (one to one)
* Customer can have multiple Accounts ( one to many)
* Customer and admin login credentials are stored in users table
* Users has username, password,role.
* All the Rest mappings are secured through JWT concept.

1. Create an application with Rest services using Spring Boot that has the following functionalities for the Customer.
   1. Customer/admin Login validation
   2. Password Encryption
   3. Customer Forgot Password
   4. Customer Update Password
   5. Customer can view his/her balance.
   6. Customer can view his/her account details.
   7. Customer can view the transactions from start date to end date.
   8. Customer can upload his photo.

(Reference : <https://www.callicoder.com/spring-boot-file-upload-download-rest-api-example/>)

* 1. Customer can download his statement from a given start date and end date.

1. Create an application that has the following functionalities for the admin.
   1. Admin creates a Customer and an Account
   2. Admin can delete an account
   3. Admin can update address ,email and phone number of the customer.