# 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.
* Customer has name, email , phone no and dateOfBirth and username as foreign key (one to one)
* Customer can have multiple Accounts ( one to many)
* Account has accountNo (autogenerated), type, dateOfAccount,balance
* Customer and admin login credentials are stored in users table
* Users has username, password,active and role.
* Create credentials for admin initially in db.
* Admin creates credential for Customer
* When customer logs in he can view all his accounts
* 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.
2. 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.