Project Database Design

Stored Procedures:

```sql
CREATE DEFINER=`root`@`localhost` PROCEDURE `get_distinctCountry`()
BEGIN
    select distinct country from customers
    order by country;
END
```

Procedure with input parameters:
1. Stored procedure allows you to give the input parameters with three keywords IN,OUT,INOUT
2. IN keyword - input value to be supplied
3. OUT keyword - output to be returned

```sql
/*
    Input : CustomerNumber
    Output : All the customer details
*/


call get_customerDetails(103);

CREATE DEFINER=`root`@`localhost` PROCEDURE `get_customerDetails`(
    IN Id int
)
BEGIN
    select * from customers where customerNumber = Id;
END
```
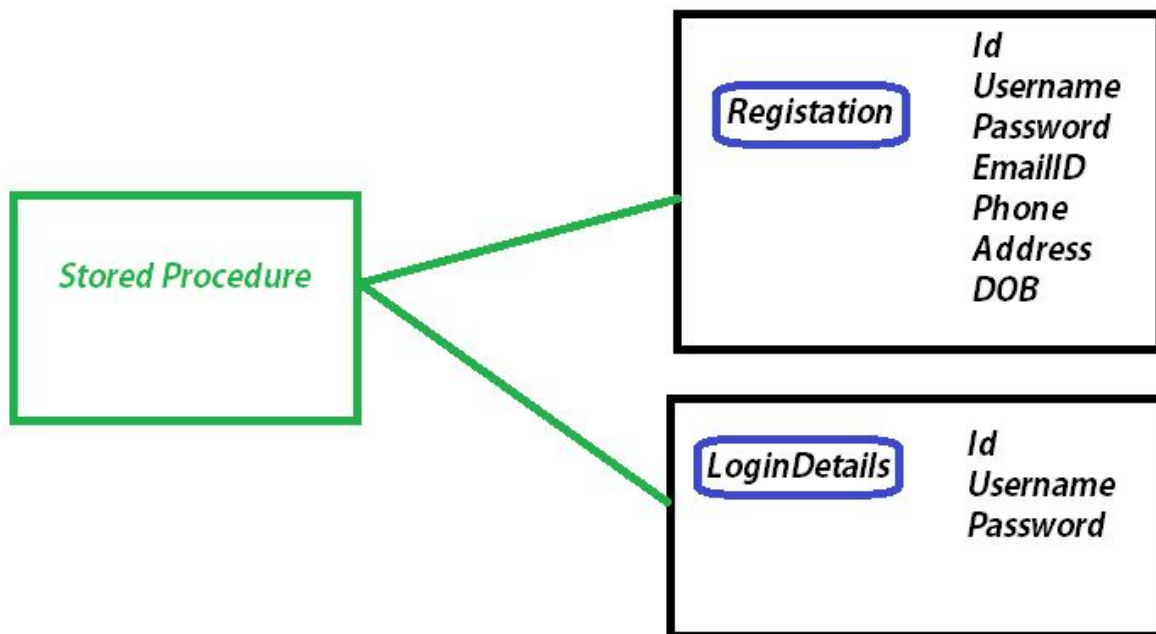
Task:

```sql
/* Customer details whose belongs to country 'USA' and names of the
customers should need to start from a */
```

```
CREATE DEFINER=`root`@`localhost` PROCEDURE `get_CustomersbyCountryandName`(
    IN x varchar(100)
)
BEGIN
    select * from customers where country = x and customerName like 'a%';
END
```

Task:

```
                                                    ┌─────────────────────────────┐
                                                    │                          Id │
                                                    │ ┌────────────┐   Username   │
                                                    │ │ Registation│   Password   │
                                                    │ └────────────┘   EmailID    │
┌──────────────────────┐                            │                  Phone      │
│                      │────────────────────────────│                  Address    │
│  Stored Procedure    │                            │                  DOB        │
│                      │────────────┐               └─────────────────────────────┘
└──────────────────────┘            │
                                    │               ┌─────────────────────────────┐
                                    │               │                          Id │
                                    └───────────────│ ┌────────────┐   Username   │
                                                    │ │ LoginDetails│   Password  │
                                                    │ └────────────┘              │
                                                    └─────────────────────────────┘
```

```sql
create table Registration(
    Id int auto_increment,
    Username varchar(100) not null,
    Password varchar(100) not null,
    EmailID varchar(100) not null,
    phone bigint,
    Address varchar(300),
    DateofBirth datetime,
    primary key(Id)
);

create table LoginDetails(
    Id int auto_increment,
    Username varchar(100) not null,
    Password varchar(100) not null,
    primary key(Id)
);

CREATE DEFINER=`root`@`localhost` PROCEDURE `insert_Userdetails`(
    IN UN varchar(100),
    IN PWD varchar(100),
    IN EID varchar(100),
    IN Mobile bigint,
    In a_address varchar(100),
    IN a_DOB date
)
BEGIN
    insert into Registration(Username,Password,EmailID,phone,Address,DateofBirth)
    values(UN,PWD,EID,Mobile,a_address,a_DOB);
    insert into LoginDetails(Username,Password) values(UN,PWD);
END

/* Call the proc */
call insert_Userdetails('Anil','anil','anil@dhyanahita.org',998874455,'Hyd','2020/01/01');

/* Test for the records */
select * from Registration;
select * from logindetails;
```

```
CREATE DEFINER=`root`@`localhost` PROCEDURE `test_Login`(
    IN a_username varchar(100),
    IN a_password varchar(100)
)
BEGIN
    /*Declare a variable */
    Declare flag INT default 0;
    set flag = (select Id from logindetails where Username = a_username and Password = a_password);
    select flag;
END
```

It means the username and password is correct so that it returns the ID value.

```
55 ●   call test_Login('Anil','anil');
56
57
58
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

flag
1

It means that the username and password is incorrect.

```
54
55 ●   call test_Login('Anil','anilkumar');
56
57
58
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

flag
NULL

Task: Update the Password (registration and logindetails) then it notify that record is updated.