

Assignment -2

Flask App with User login and CRUD practice and ibm_db2 connection

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Model:

```
class User(db.Model):
    __tablename__ = 'users'
    id = db.Column(db.Integer, primary_key=True, nullable=False, autoincrement=True)
    username = db.Column(db.String(100), nullable=False)
    roll_no = db.Column(db.String(100), nullable=False)
    email = db.Column(db.String(100), index=True, unique=True, nullable=False)
    password_hash = db.Column(db.String(200), nullable=False)

    def set_password(self, password):
        self.password_hash = generate_password_hash(password)

    def check_password(self, password):
        return check_password_hash(self.password_hash, password)
```

CRUD:

```
SELECT * FROM users WHERE id = 1;
INSERT INTO users VALUES (2, 'dexter', 'ab12', 'email@email.com', 'password')
DELETE FROM users WHERE id = 2;
UPDATE TABLE users SET username = 'elliot' WHERE id = 1;
```

SCHEMA:

Table definition					⋮	✕
USERS					Approximate 2 rows (32.0 KB) Updated on 2022-10-24 07:18:16	
Name	Data type	Nullable	Length	Scale		
ID	INTEGER	N		0	👁	
USERNAME	VARCHAR	N	100	0	👁	
ROLL_NO	VARCHAR	N	100	0	👁	
EMAIL	VARCHAR	N	100	0	👁	
PASSWORD_HASH	VARCHAR	N	200	0	👁	

Demo:

Register

Username

Email

Roll No

Password

Repeat Password

Existing User? [Click to Login!](#)

Sign In

Username

Password

New User? [Click to Register!](#)

Welcome Kiran!

Email: kiran@kiran.com

Roll No: 191919

Password Hash: pbkdf2:sha256:260000\$hYO6S6341R8oojgQ\$67d33267b50d2050f86ff335a43ec67cb849b260a484b0b0467210b0eb8be2b9