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
maheshkumar1
[Please use a different username.]

Email
a@b1.com

Roll No
19bit000

Password
••••••••••••••••

Repeat Password
••••••••••••••••

Register

Existing User? Click to Login!

Sign In

Username
maheshkumar

Password
••••••••••••••••••

Sign In

New User? Click to Register!

Welcome maheshkumar!

Email: a@b.com

Roll No: 19bit300

Password Hash: pbkdf2:sha256:260000$OqwE2yF4cgld2XID$47a6a42829f14f98d9e0dce83c2542404b4ca6dcf39876d6ba311f89e92dc664