

Sprint-4-USER AUTHENTICATION

Code:

Database.py

```
import os
import database as db
from deta import Deta # pip install deta
from dotenv import load_dotenv # pip install python-dotenv
# Load the environment variables
load_dotenv(".env")
DETA_KEY = os.getenv("DETA_KEY")
# Initialize with a project key
deta = Deta(DETA_KEY)
# This is how to create/connect a database
db = deta.Base("crop")
def insert_user(username, name, password):
    """Returns the user on a successful user creation, otherwise raises an
    error"""
    return db.put({ "key": username, "name": name, "password": password})
insert_user("pparker", "Peter Parker", "abc123")
def fetch_all_users():
    """Returns a dict of all users"""
    res = db.fetch()
    return res.items
```

upload.py

```
import streamlit_authenticator as stauth
```

```
import database as db

usernames = ["pparker", "rmiller"]

names = ["Peter Parker", "Rebecca Miller"]

passwords = ["abc123", "def456"]

hashed_passwords = stauth.Hasher(passwords).generate()

for (username, name, hash_password) in zip(usernames, names,
hashed_passwords):

    db.insert_user(username, name, hash_password)
```

generate_keys.py

```
import pickle

from pathlib import Path

import streamlit_authenticator as stauth

names = ["Peter Parker", "Rebecca Miller"]

usernames = ["pparker", "rmiller"]

passwords = ["abc123", "def456"]

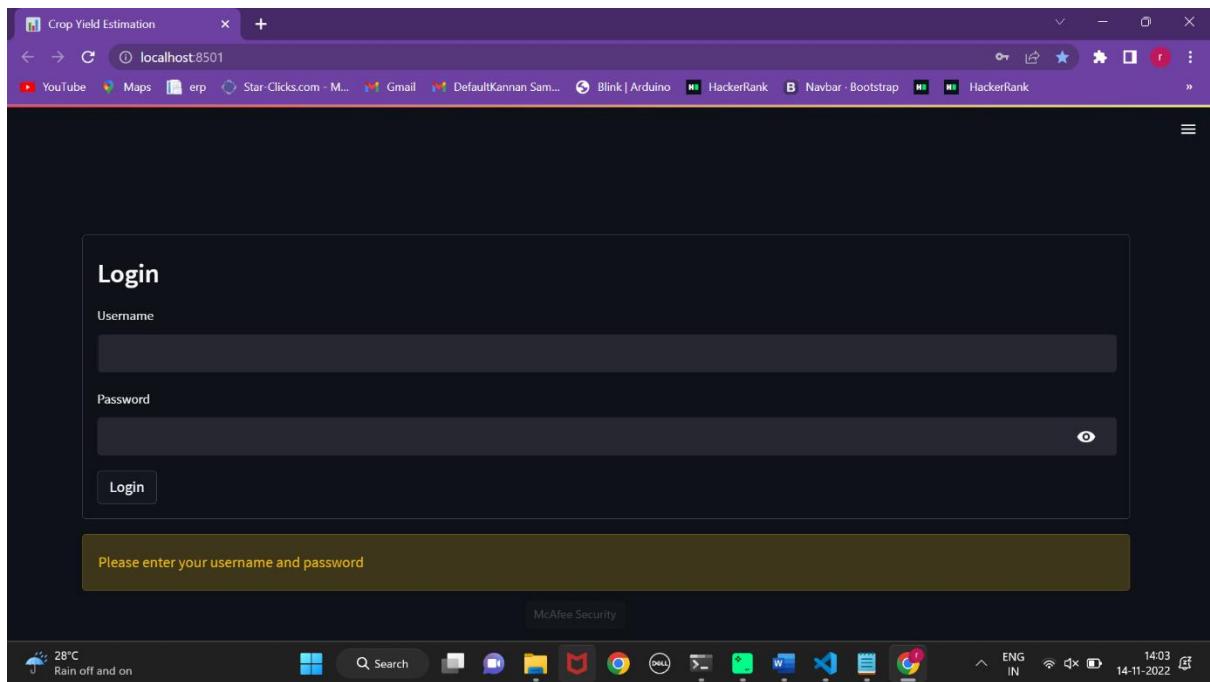
hashed_passwords = stauth.Hasher(passwords).generate()

file_path = Path(__file__).parent / "hashed_pw.pkl"

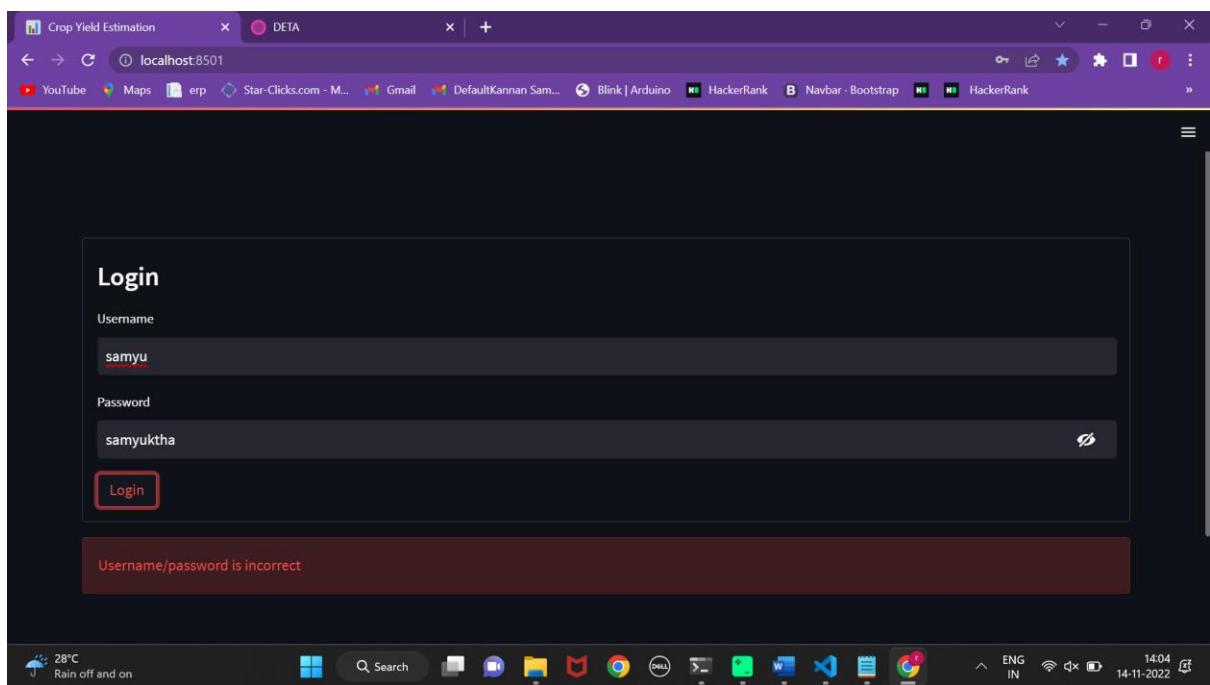
with file_path.open("wb") as file:

    pickle.dump(hashed_passwords, file)
```

Step1-Enter Login Page



Step2-Enter Details(Wrong User)

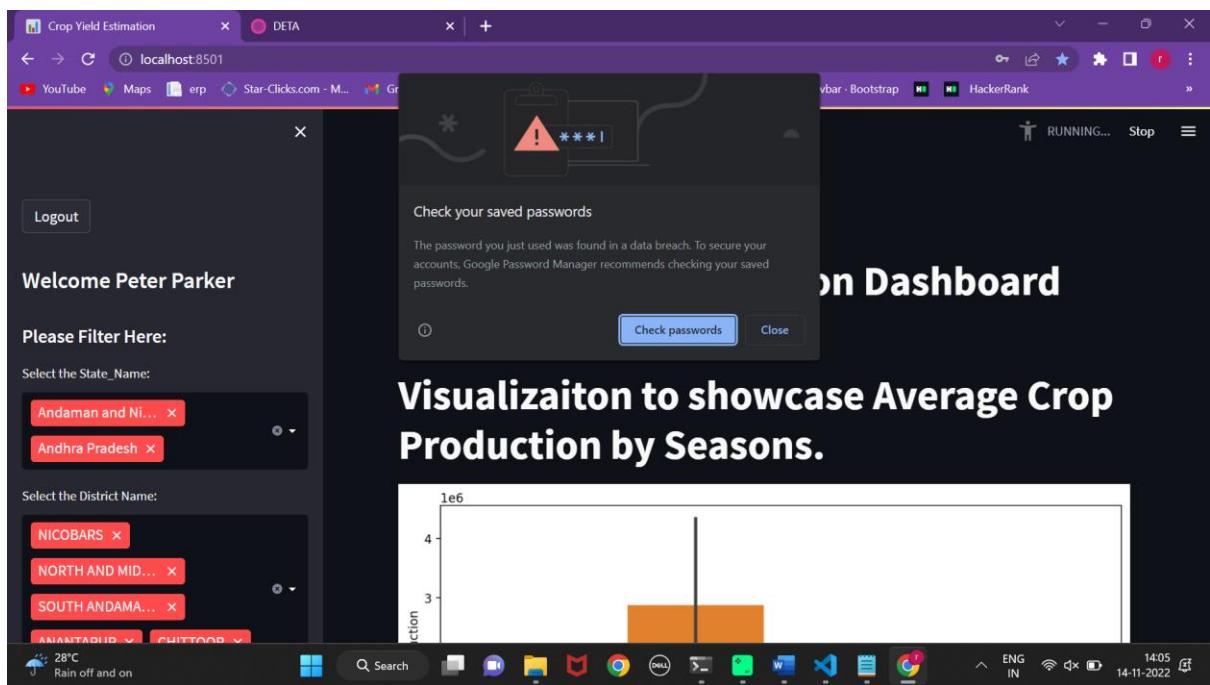
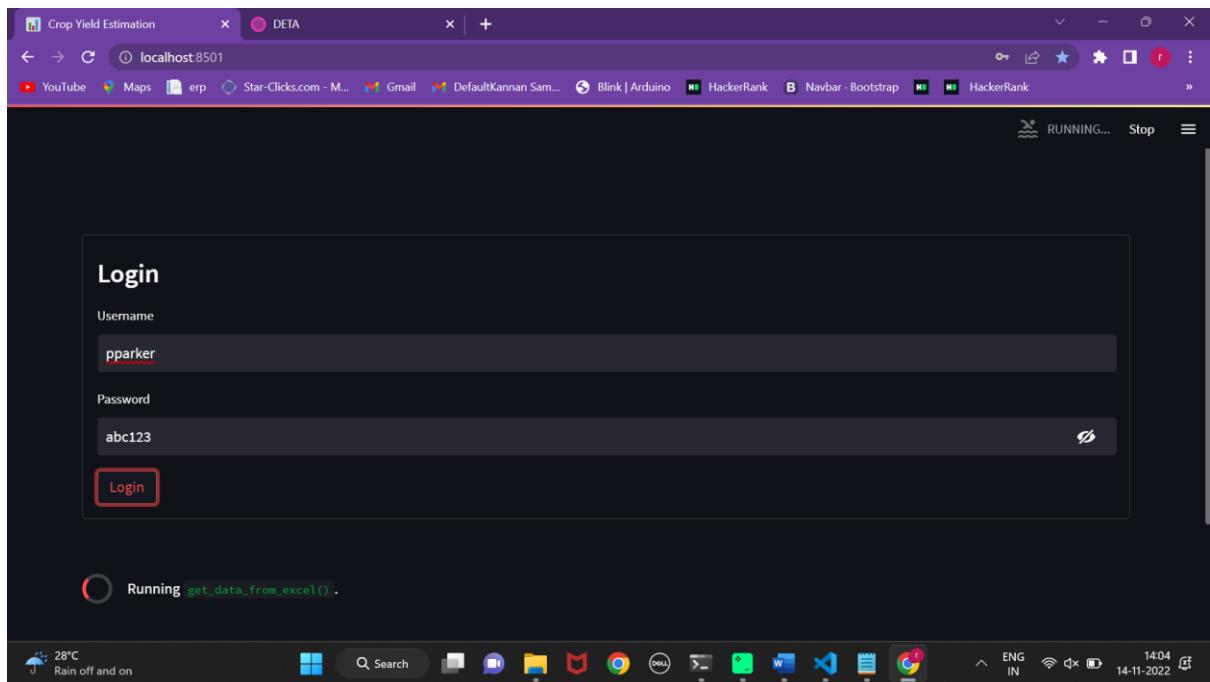


Step3-Enter User Credentials stored in Deta DB

The screenshot shows the Deta Data Explorer interface. On the left, there is a sidebar with navigation links: 'Overview', 'Micros', 'Bases', 'crop', 'Drives', and 'Project Kano'. The main area shows a table titled 'crop' with three columns: 'key', 'name', and 'password'. The table contains three rows of data:

key	name	password
<input type="checkbox"/>	samyuktha kani	sam28
<input type="checkbox"/>	Peter Parker	abc123
<input type="checkbox"/>	Rebecca Miller	def456

At the top right, there are buttons for '+ Add', 'Query', and 'Fetch'. At the very top right, there are links for 'Become a Deta Explorer', 'Discord', 'Docs', 'Settings', and 'Logout'.



Step4-LOGOUT

