

Sprint-4

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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(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 and 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 =
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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)

```



