OUTPUT :

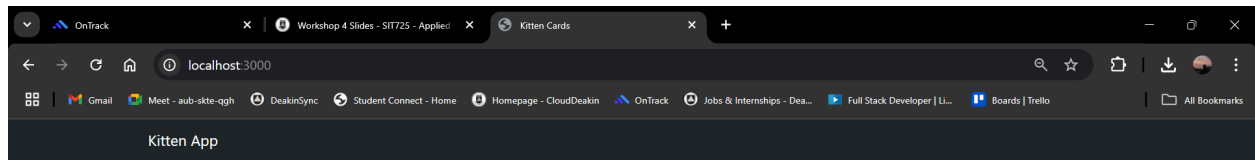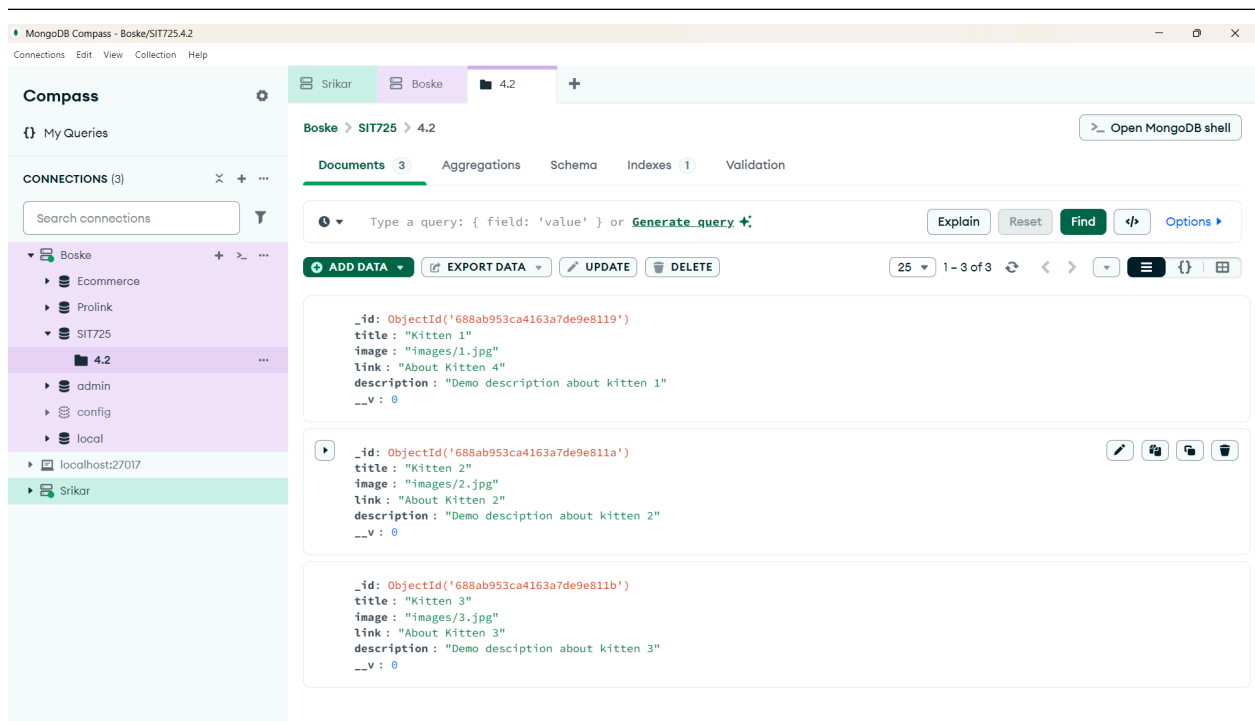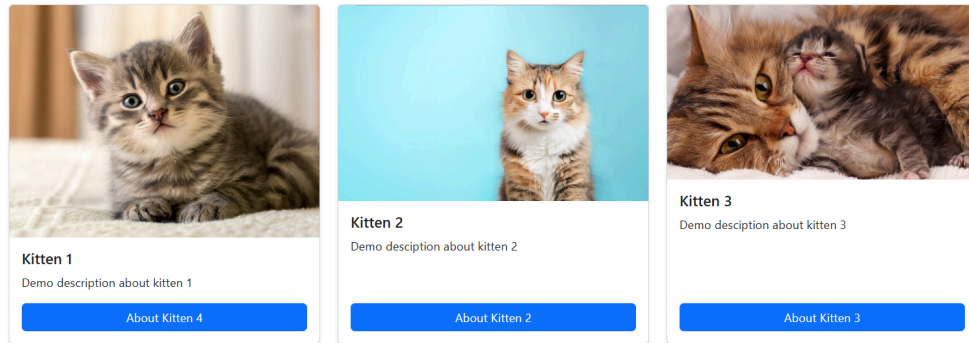**GITHUB LINK :**