Viena Recomendations

- Social Metwork will be a set of USER objects
- To loop one Get and add obj. references to a dictionary we keys for hobbies/musticletc. Lo each user in doct for each key will be recommended to each other as friends
- To can do something similar fox innoval friends To instead of dict idea, can use set intersections for faster algorithm

VBUALTE W Table user

Space Complexity Ideas

instead of Stering usernames in each user's Friend list, Can Store references to each Firend's USER Object

> Social Media Network Storage & Recommendations

Dora Structure Ideas

- Inked Lists
- Du Mser Class w/ attributes

USER

- attributes

- FRIENOS = [1] - D[2] - DET.

Stoned references to orler user objects

riends of Finends to level

- -De Can recurse up to a max depth of a Prient's Friends, CTC. and store in a set
 - Lo automatically will ignore duplicates
- -P can implement a print () normod in USER Class to return set usecramos
- -DGCCANUSE à guerre of sorts, but since le order et checking triends doesn't matter, can USE Or Set for better performance

Speed Optimization Ideas

- In hash taldes
 - UD SCIS!
 - LA dictionaries.
- maybe can make the friends list
 - LO would protect against doplicante Friends
- -D Store each interest attribute as a Set so can use interaction operations in recommendation algo when comparing Shared interests
 - Lo has berter time complexity than comparing matches between 2