Iffate Jahan Wilima. Hope Digo! 229 Millima. ID: IT-27063 Will estillamillonut sino Layerred Arichitecture Model of an online Judge System: : 119401 2/2/1011 Creating a toyerced Anchitecturce model force on online Judge system involves underestanding its structure and components. Iteme's how you can create and organised my handwisifient drawing. stépistois create l'Hondwritten Digram: i lose Presentation lagere test original -> web on mobile interchace Historia -> pisplays problem, user submissions and tresults, imaginad ant word (E Application Layer Displaces sens Handles problem submission, solution evalution and user requests.

- · Business Logic Layer:
  - -> Corre functionalités Like compiling code, running test coses, scoreing
  - · Data Analysis Layer:
- Intercacts with databases for user data, problem sets and submission history.
  - 2) Identity components:
    - -> Authentication and Authorization
    - -> Code submission and execution queue
    - -> Compiler, fest case management, scotting

      Algorithm
  - 3) Dreaw the Diagream:
    - -> use rectongulare box ore layers to represe each layer.
  - + Label components with each tayer.

4) Test case flow example:

→ user submits code → Application queues

the code → Business logic compiles and tests in

Nesult stored in the database → Priesentate

display the result.

