# 4th year project – IAD System

Scope:

- Are we making an inference attack detection or an inference attack prevention tool?
  - Because a client might decide its not worth paying extra after an initial analysis.
- Are we following one of the proposed methods in the papers or are we developing our own method?

Tasks:

1 Literature Review of the provided inference attack papers
2 Analysis on the preferred Detection/Prevention method to use

Deliverables :

1 Analysis and design of the Inference attack detection (IAD) system
    1.1   **UML Class diagram**
    1.2   **UML Sequence Diagram**
2 Develop project plan and strategy
    2.1   Develop a **demo application system** to test our tool on
    2.2   Develop a **test database** to use for our demo system
3 Implement a simple **IAD system** based on task 1
    3.1   Integrate IAD with demo system
4 Develop an automated IAD test tool
    4.1   Determine **metrics of the test results**
5 Generate **test cases** based on test database in task 3.2
6 Analyze results of the test
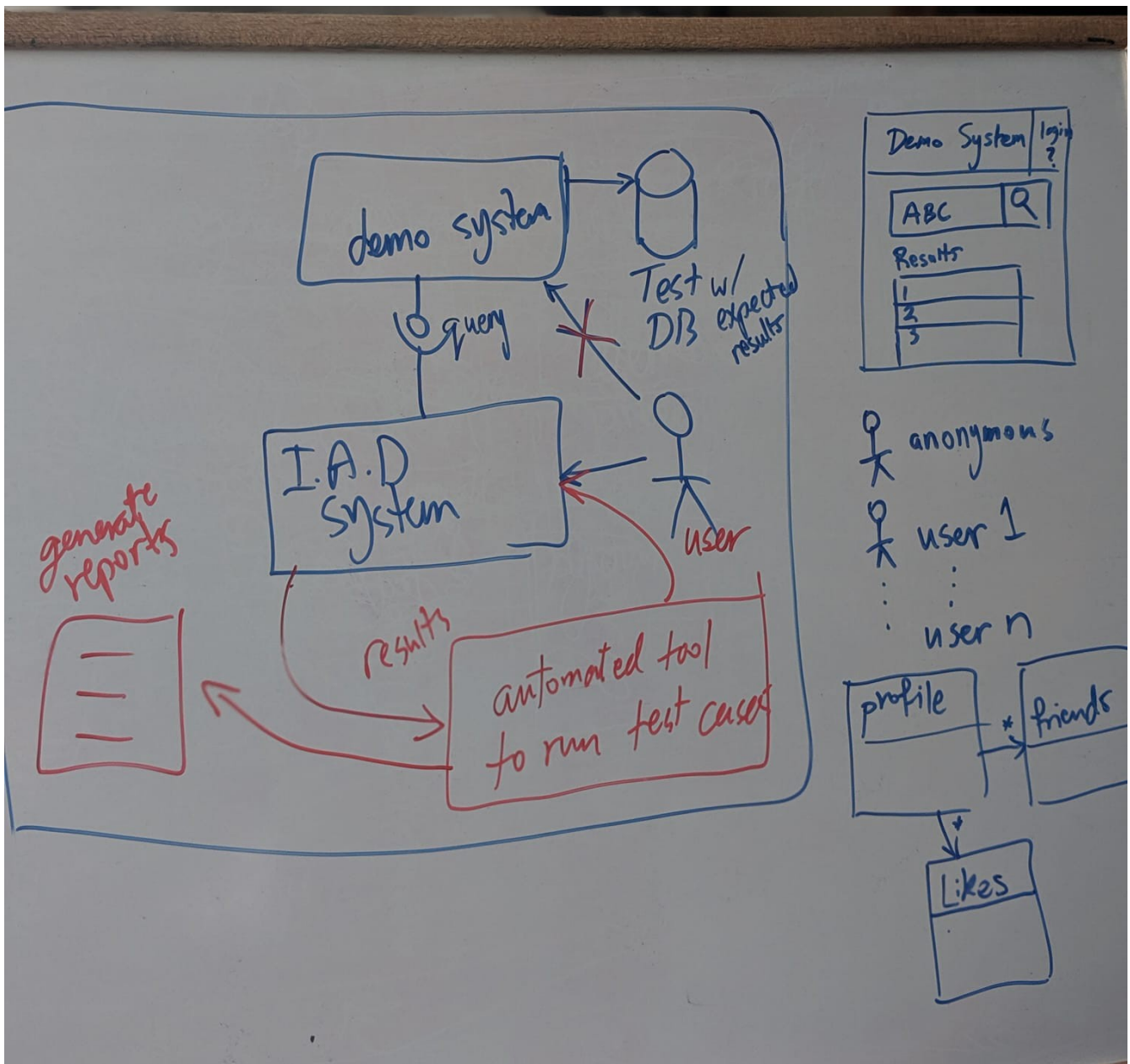
- The Demo system is going to be our created web application to test on
- A database of users and their information
- The automated tool will be fed a list of test cases based on the data from the database
- The results will be compared with our expected results
  - We have access to the databases.

  - In the future we can implement our system on a well known web application such as facebook through the use of web crawlers to fetch our test data