cs250\_prj02\_databaseInfo

Content stored in the database of the website.

* Bubble information(for each bubble):
  + Bubble members (list):
    - A list with members of the bubble.
  + bubble posts list :
    - A list with a few information on posts from the bubble.
  + bubble status:
    - about the status of the bubble such as public, restricted, closed, and erased which can only be changed by the administrator.
* bubblePosts:  
  A database space inside the main bubble database, contains information about each bubble post that is more detailed than the bubble posts sections in the bubbles database.  
  There will be information about bubble post’s:
  + mainText:
    - contains the main text of a post
  + comments/replies:
    - The texts of comments and replies, and info on the author of the texts/replies
  + authorInfo:
    - information about author of the post, such as their username.
* User information:  
  Name.  
  Last name.  
  UserName.  
  + joinedBubbles:
    - information about the bubbles that the user has joined.
  + Likes:
    - Information about what the user likes is sent to the algorithm which starts performing a personalized feed only available for registered users.
  + ownedBubbles:
    - information about the bubbles that user currently “owns”, which is either created by the user or is a bubble which they moderate.
  + Restrinctions:
    - Information that can only be restricted by an administrator for the users. It can restrict users from creating or joining a bubble.
* Encrypted user information.  
  This part of the database is like the one above (“User Information”), but this is encrypted since it is important user data.  
  User email  
  User password  
  security program.   
  A part of the database reserved for the security/antiDdos plugin.
  + banlist:
    - List of banned IP addresses that are not allowed to enter the website
  + warningList:
    - Similar to banlist, but these IP addresses are temporarily banned.
  + QueueInfo:
    - Info about the queue for ip addresses/devices entering the website.