Beaconnet

Data Flow Diagram

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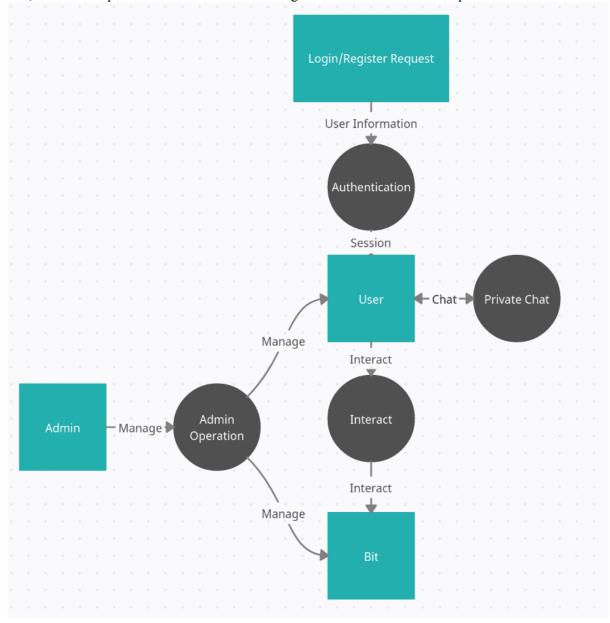
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1 Overview

Beaconnet mainly focus on User and Bit, where User can sign-up, then interact with other user and Bit. Involving follow/unfollow/pirvate-chat with other user, post/like/comment/re-Bit the Bits. On top of that, Beaconnect provide admin account to manage all the user and Bit in the platform.

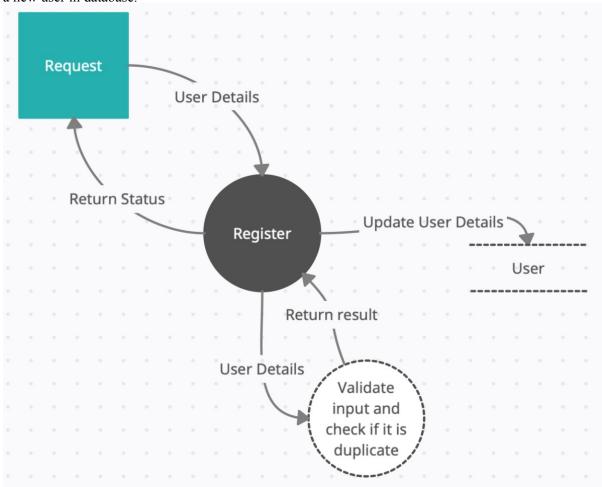


2 User

2.1 Management

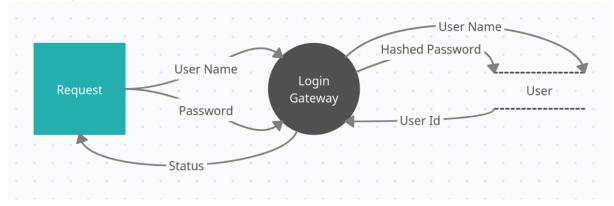
2.1.1 Register

To register, user need to fill up registration form, then Beaconnet will validate the form, and check whether the information duplicate (i.e. register before). If all checking pass, Beaconnet eventually create a new user in database.



2.1.2 **Login**

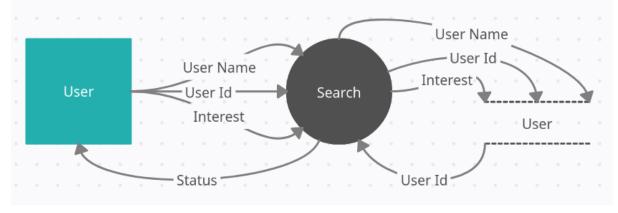
To login, user first provide User Name/User Id/email and password, then Beaconnet will hashed the password and search in User database to match the User Id and hased password. If there is a hit login successfully, otherwise failed.



2.2 User Interaction

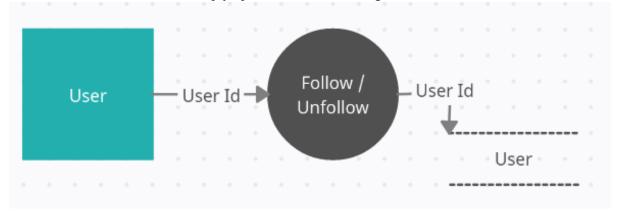
2.2.1 Search

To search user, User simply provide keyword to search, like User Name/User Id/Interest, then Beaconnet will search for the User database. and return list of matched User ID(result) to the User.



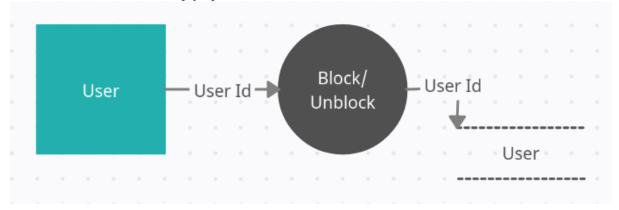
2.2.2 Follow/Unfollow

To follow/unfollow other user, simply update the user following list in the database.



2.2.3 Block

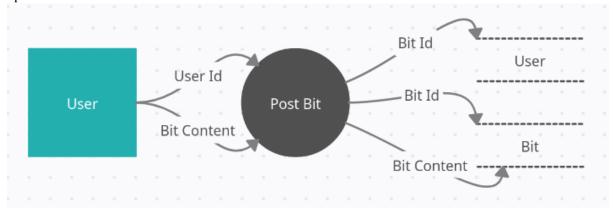
To block user, Beaconnet simply update the User blocked list.



2.3 Bit Interaction

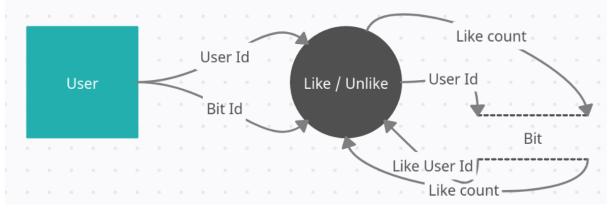
2.3.1 Post

To post Bit, user fill up the Bit content, then Beaconnet auto generate a new Bit_Id. Afterward, Beaconnet update User Bit list and Bit database.



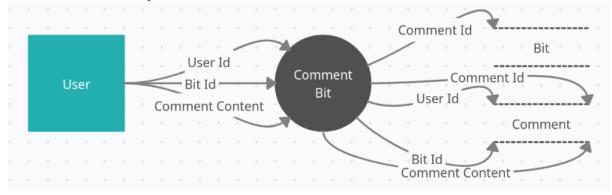
2.3.2 Like

To like/unlike Bit, Beaconnet first retrieve the Bit like count, and then update the Bit database to add/remove the liked by user, and the like count.



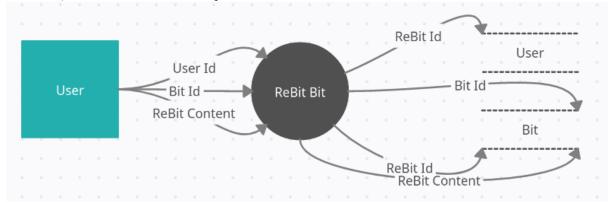
2.3.3 Comment

To comment Bit, User fill up the comment content, then Beaconnet auto generate a new Comment_Id. Afterward, Beaconnet update Bit and Comment database.



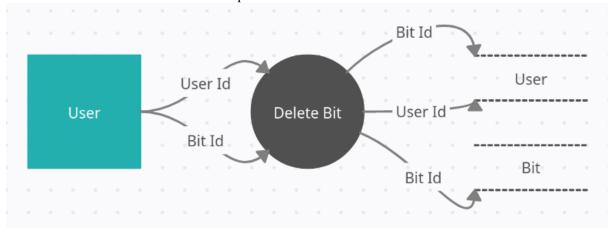
2.3.4 ReBit

To ReBit Bit, User fill up the reBit content, then Beaconnet auto generate a new Bit_Id (Treat ReBit as a new Bit). Afterward, Beaconnet update Bit and User database like Post a new Bit behavior.



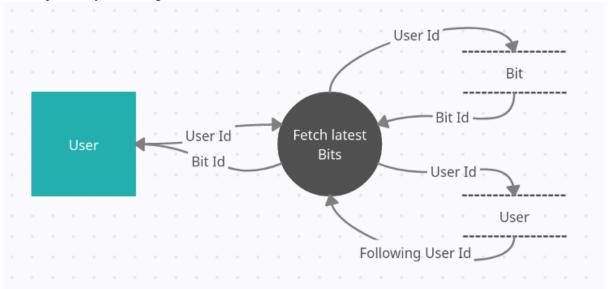
2.3.5 Delete

To delete Bit, Beaconnet first check the Bit owner. If is the User, then simply remove the Bit from Bit database and remove the Bit from User posted Bit list database.



2.4 Display Following Users' Bits

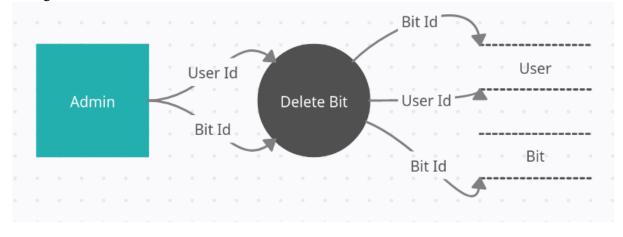
To display following users' Bits, Beaconnet first use User Id to get the following User Id list, then retreive the Bit posted by following User.



3 Admin

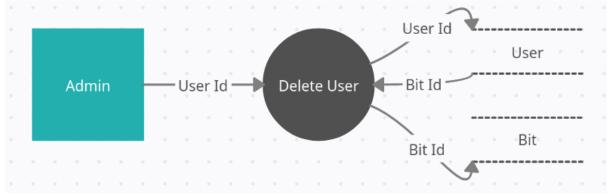
3.1 Delete Bit

To delete Bit, Beaconnet simply delete the Bit in both Bit and User database. And Admin have right to manage content so no need to check Bit ownder.



3.2 Delete User

To delete User, Beaconnet simply delete the User in User database and update poster of deleted user's Bit to *deleted account*.



4 Chat

To send message, User first fill up message content. Then Beconnet will generate Message Id and update User database and create Sender Receiver pair and update Message database. Message also support status, like sent/deliered/read. Whenever the status change, Beaconnet update the Message the database and sender.

