

Software Engineering Lab 5

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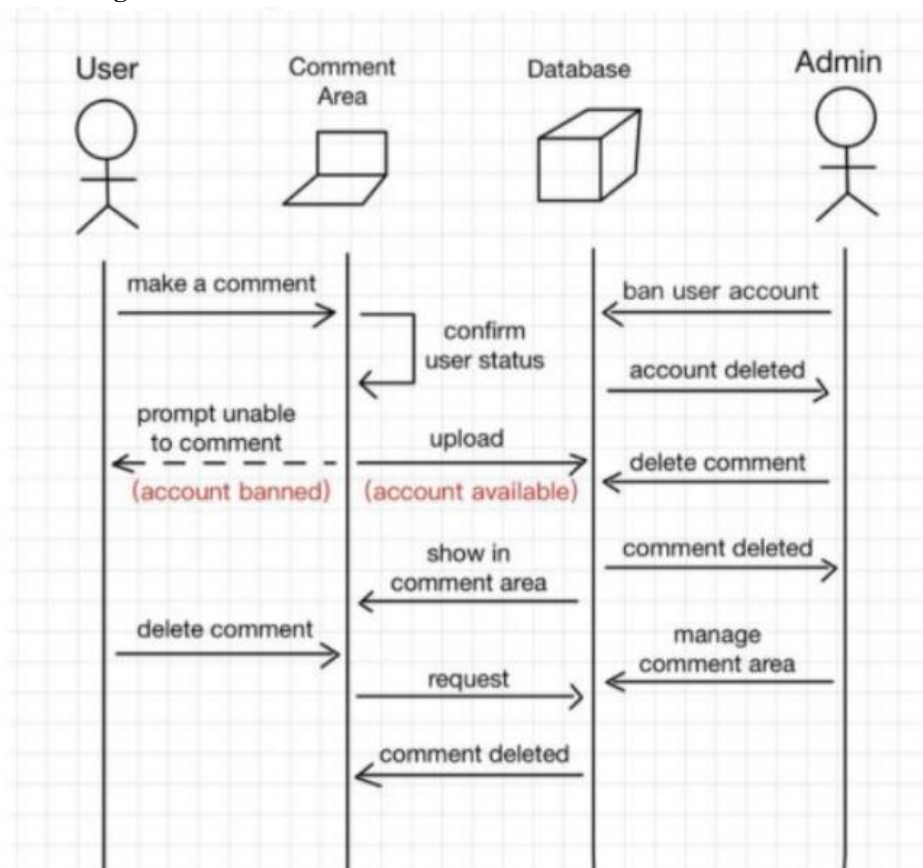
Assignment 1: Design sequence diagram

- According to the use case in your course project
 - identify the concepts (list in a table, like Page 4)
 - draw the (1) design sequence diagram, (2) class diagram (图可以手画)
 - give proper documentation (e.g., why you design in this way?)

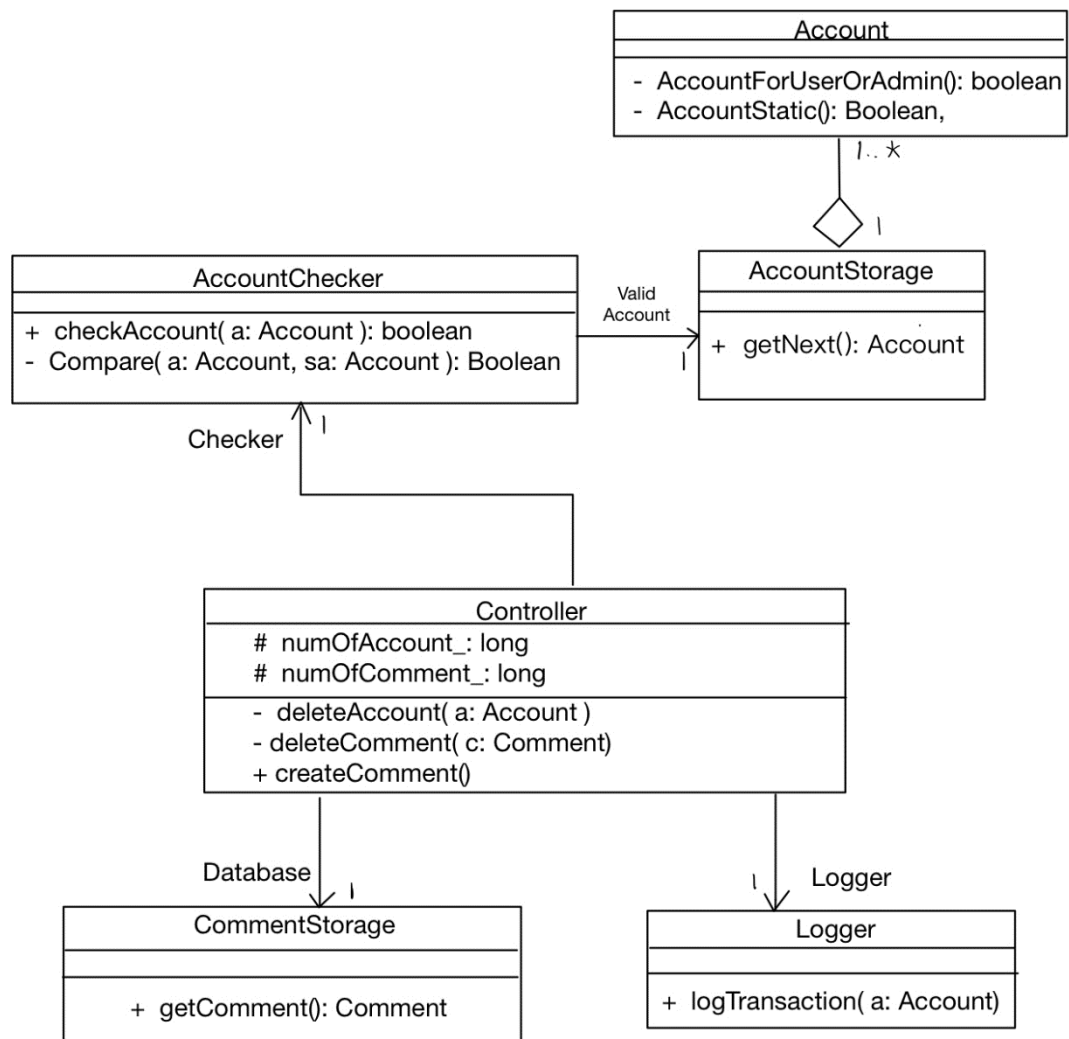
(1) Concepts

Responsibility Description	type	Concept name
The medium in which users use the comment function.	K	account
Check the availability of the account used by the user.	D	account checker
Coordinate actions of all concepts associated with a use case, a logical grouping of use cases, or the entire system and delegate the work to other concepts.	D	controller
Container for the comment that users and admin sended.	K	comment storage
Container for all accounts (avilable/unavailable).	K	account storange
Log all interactions with the system in persistent storage.	D	logger

(2) Sequence diagram



(3) Class diagram



Mainly based on sequence diagram.

About Account, I divided it into three parts, Account, AccountStorage and AccountChecker.

Controller carries most of the functions, like Account management and Comment management.

Besides, there should have a Logger to logging the operations.