1.7 (1) Difficulty in accessing data
file-processing system is designed to allow pre-determined occess to data, while a DBSM
is designed to allow flexible access to data.
① Data redundancy and inconsistency
file-processing system may cause to inconsistency of an object. And the same information
may be duplicated in several place.
3 Pata isolation
data is stored in different files and filed may be in different formats. It's difficult to
retrieve appropriate dala.
The Atomicity problems
It's difficult for a conventional file-processing system to ensure atomicity.
1.8 physical data independece, although the implementation of the simple structures at the logical level may involve
complex phsical-level structures, the user of the logical level does not need to be aware of t
impostance, many users are not computer trained, developer hide the complexity from users through several levels
of data abstraction, to simplify users' interactions with the system.
1.9. responsibility. 1. interaction with the file manager
2 integrity enforcement
3. security enforcement
4. backup and recovery
5. concurrency control
problems. I data stored in files can not be retrieved
2. cause violation, which means the value may exceed the domain of attributes
3. Unauthorized user may access the database.
4. data could be lost permanently.
S. Consistency constraints may be violated despite proper integrity enforcement in each transaction.
1.15. Users: id, phone-number, email-address, account, password
following: id, following-id
publish : id , publish - works