Term Project – Twitter

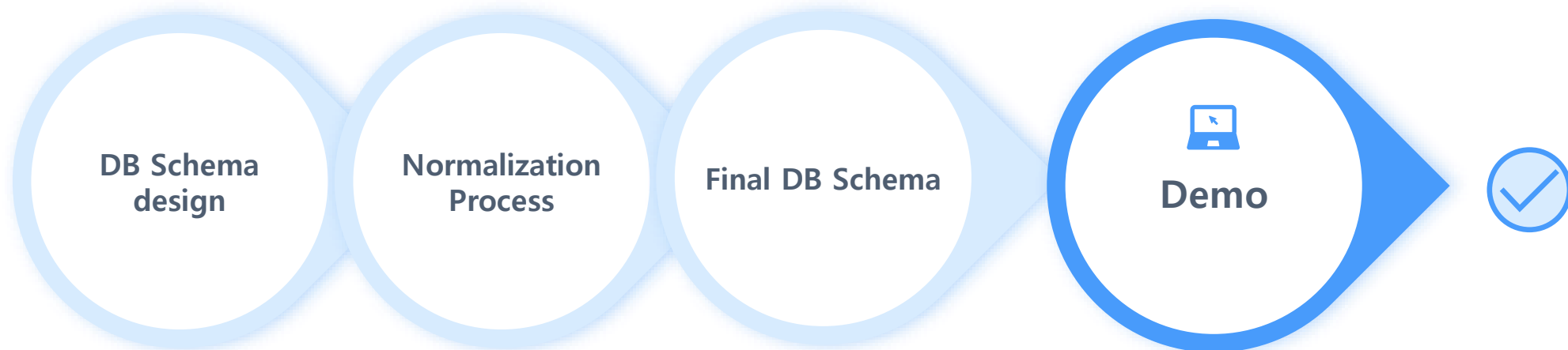**Group 4**

202035508 KimSongeon
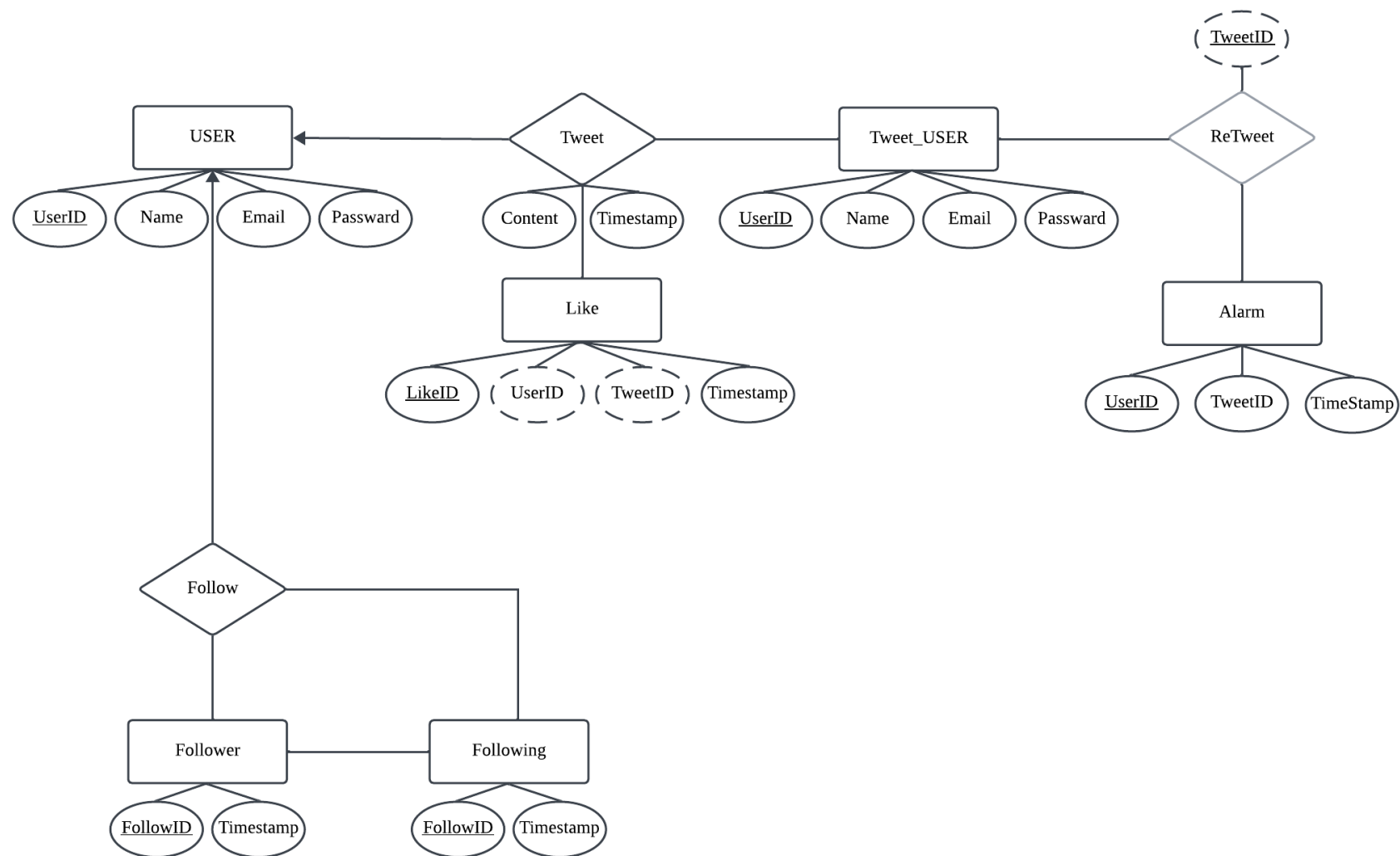
202135733 KimSeoyuong

202235002   KangGwion

202235040   ParkGunwoo

202235122 JungEunseop

Contents

DB Schema design

Normalization Process

Final DB Schema

Demo

< Process >

basics	1NF	2NF	3NF	BCNF

✓

1NF   **Tweet : WriterID delete, UserID (FK) update**

⚠️ **Repetitive group exists in the form of a WriterID column (possibly multiple authors in one tweet)**

Normalization Process Init

<   Process   >

basics	1NF	2NF	3NF	BCNF

✓

1NF   **Comment : CommentID(PK) update**

⚠️ **Possible duplicate data and comments without TweetID**

< Process >

basics	1NF	2NF	3NF	BCNF

BCNF

User : UserID (PK)

Follow : Follower / Following

Tweet : WriterID delete, UserID (FK) update

Comment : TweetID / UserID (FK)

referencing Tweet(TweetID) and User(UserID)

User

UserID, Name, Email, Password

PK – UserID

Follower

UserID, FollowingID, Timestamp

PK/FK – UserID, FollowingID

Following

UserID, FolloweID, Timestamp

PK/FK – UserID, FollowerID

Comment

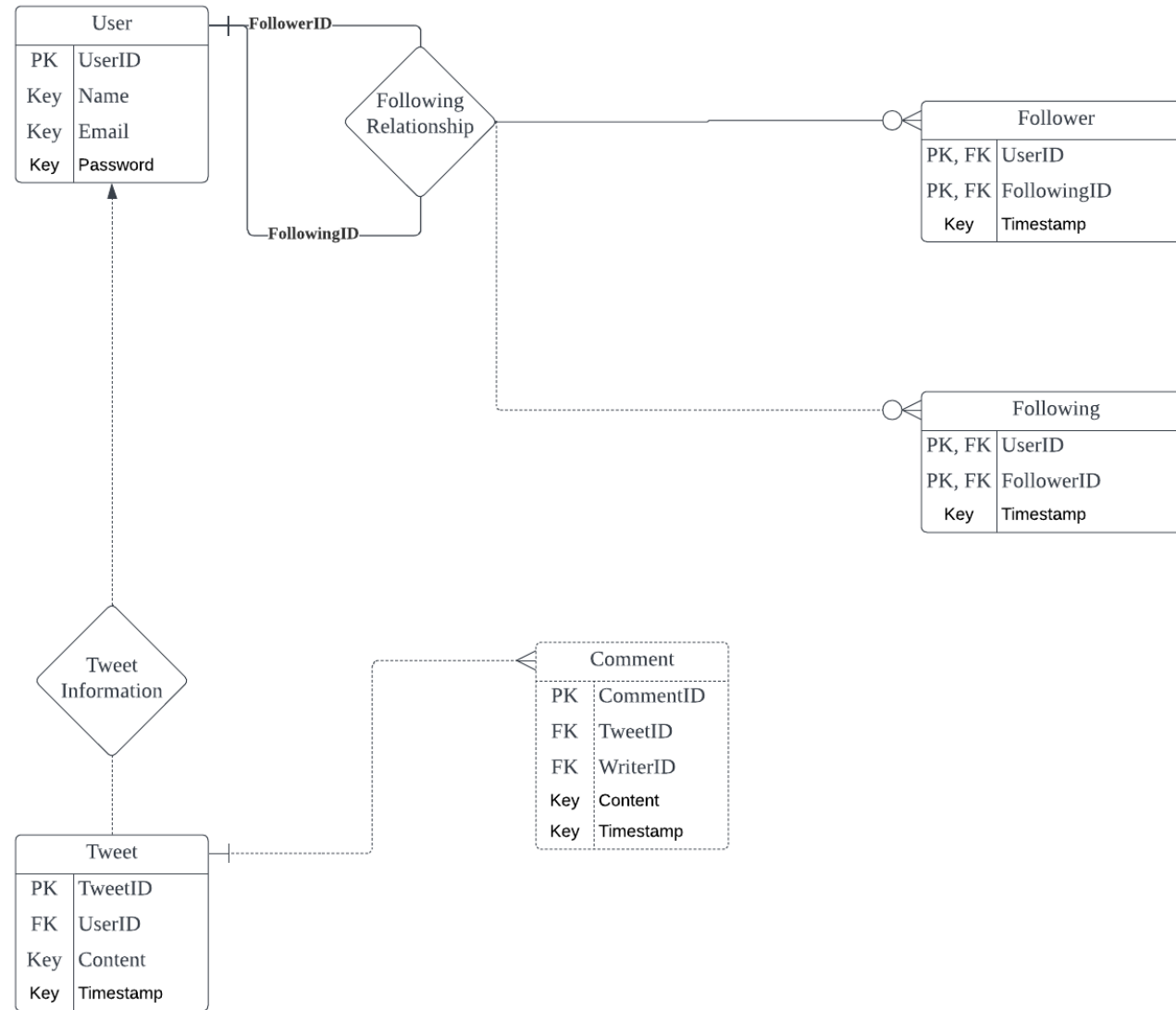CommentID, TweetID, WriteID, Content, Timestamp

PK – CommentID

FK – TweetID, WriteID

Tweet

TweetID, UserID, Content, Timestamp
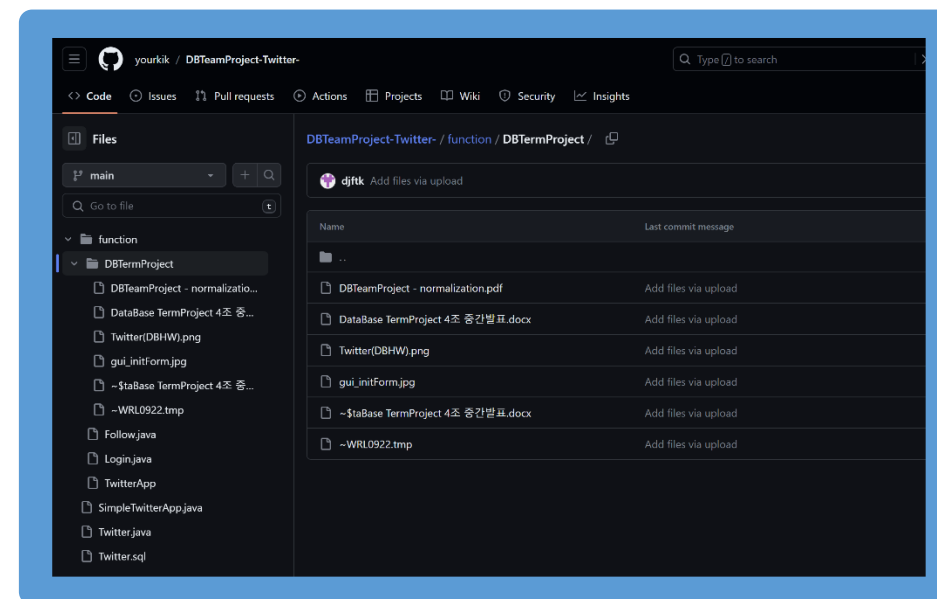
PK – TweetID

FK – UserID

Final DB Schema

User

PK	UserID
Key	Name
Key	Email
Key	Password

Following Relationship

FollowerID

FollowingID

Follower

PK, FK	UserID
PK, FK	FollowingID
Key	Timestamp

Following

PK, FK	UserID
PK, FK	FollowerID
Key	Timestamp

Tweet Information

Comment

PK	CommentID
FK	TweetID
FK	WriterID
Key	Content
Key	Timestamp

Tweet

PK	TweetID
FK	UserID
Key	Content
Key	Timestamp

Demo

https://github.com/yourkik/DBTeamProject-Twitter-

Demo Video URL

Thank You!

From Team 4