Relational database diagram

User (SessionID int, Username string, Password string)

Thread (Title string, *Author* string, Date date, Content string, *Last\_Comment* int)

*Author FK* -> User.Username PK

*Last\_Comment FK* -> Comment.CommentID PK

Comment (CommentID int, *Thread* int, *Author* string, Date date, Content string)

*Thread* *FK* -> Thread.Title PK

*Author* *FK* -> User.Username PK

CREATE TABLE User(

SessionID VARCHAR(130),

Username VARCHAR(30) NOT NULL,

Password VARCHAR(30) NOT NULL,

PRIMARY KEY (Username),

UNIQUE(Username)

);

CREATE TABLE Thread (

Title VARCHAR(200) NOT NULL,

Author VARCHAR(30) NOT NULL,

Date DATE NOT NULL,

Content VARCHAR(1000) NOT NULL,

Last\_Comment int,

PRIMARY KEY (Title)

);

CREATE TABLE Comment (

CommentID int AUTO\_INCREMENT NOT NULL,

Thread VARCHAR(200) NOT NULL,

Author VARCHAR(30) NOT NULL,

Date DATE NOT NULL,

Content VARCHAR(1000) NOT NULL,

PRIMARY KEY (CommentID)

);

ALTER TABLE Thread

ADD FOREIGN KEY (Author) REFERENCES User(Username);

ALTER TABLE Thread

ADD FOREIGN KEY (Last\_Comment) REFERENCES Comment(CommentID);

ALTER TABLE Comment

ADD FOREIGN KEY (Thread) REFERENCES Thread(Title);

ALTER TABLE Comment

ADD FOREIGN KEY (Author) REFERENCES User(Username);