

*Please note that the final project changed from the project proposal.*

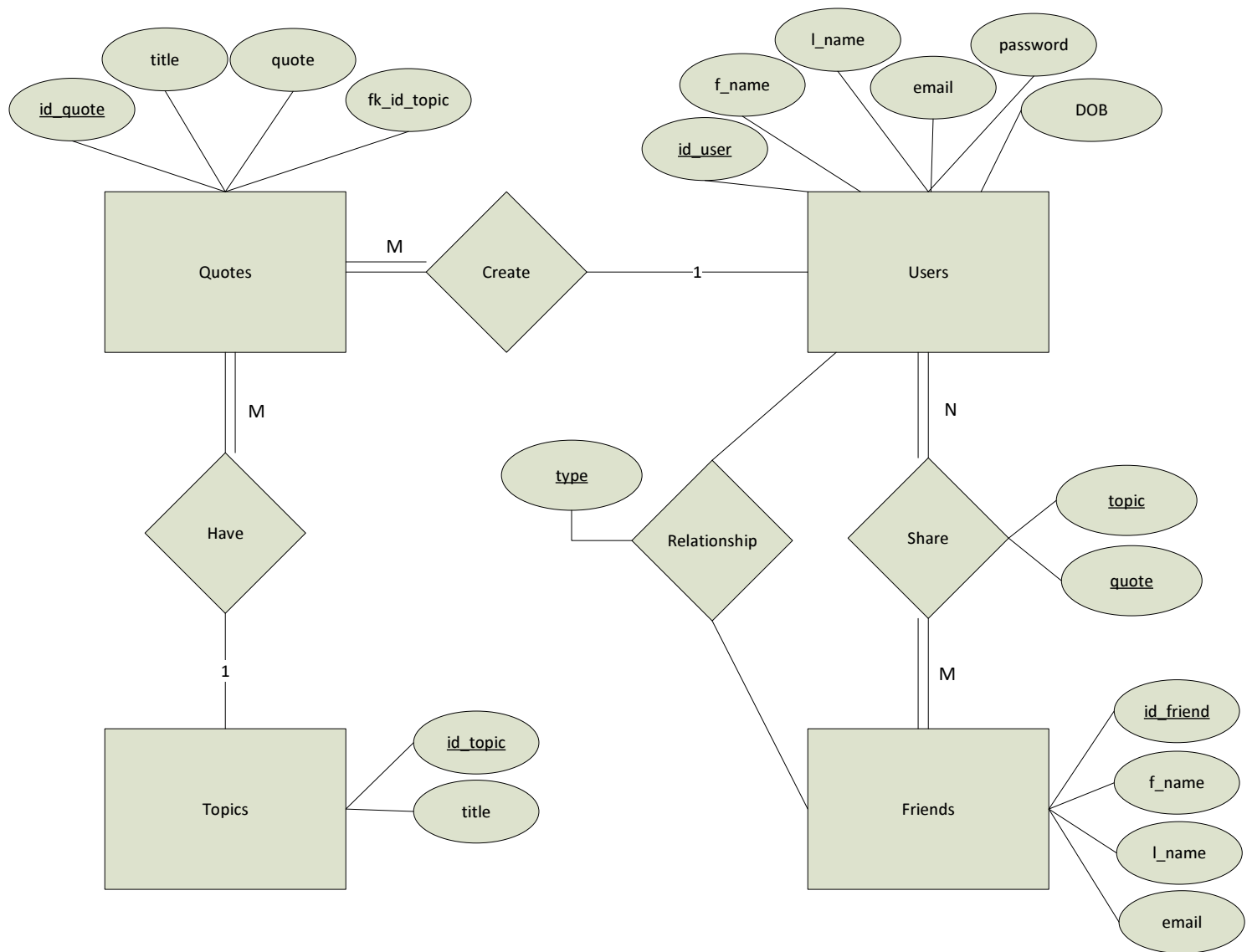
### Outline

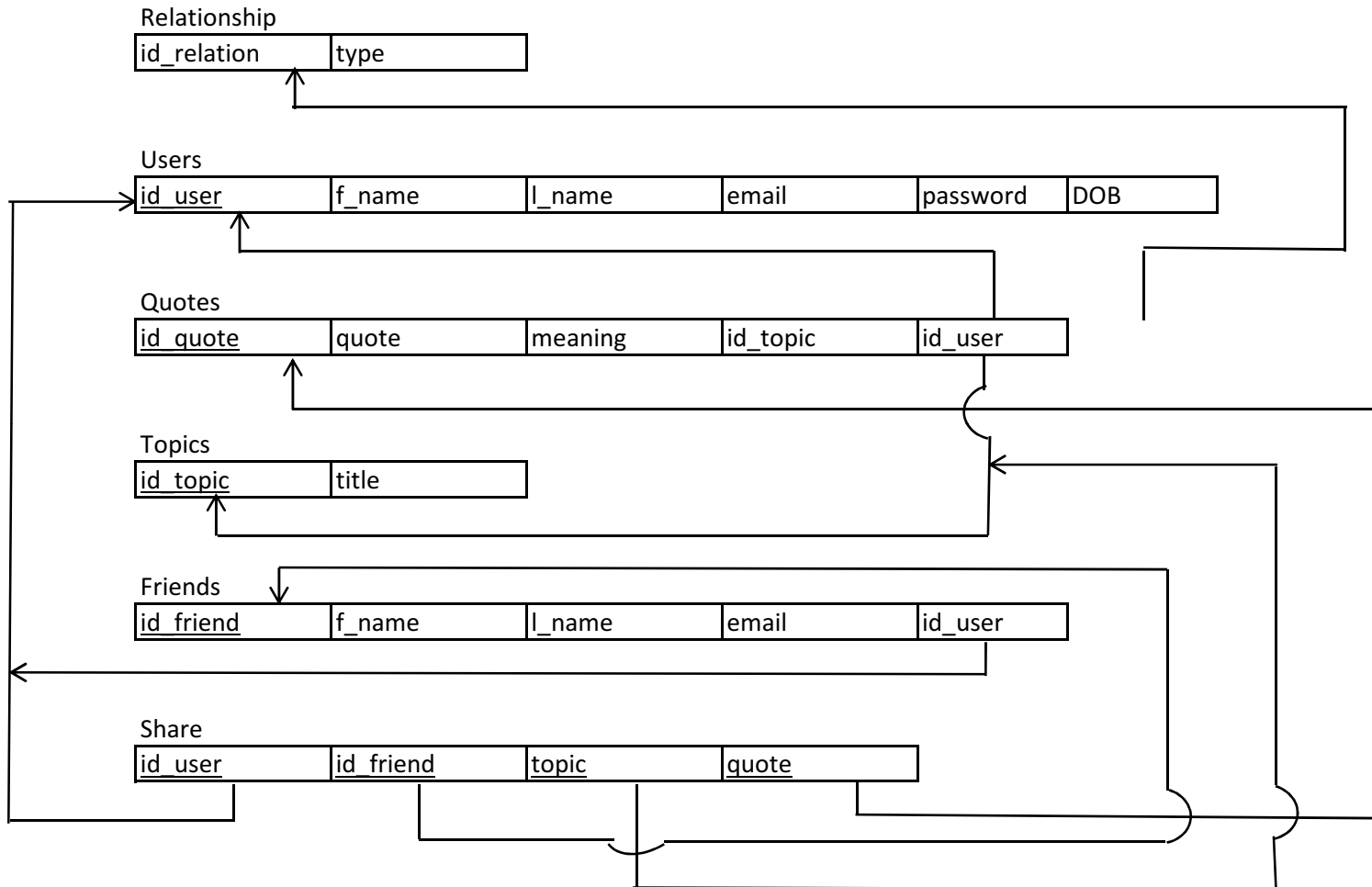
Quote Wiki is a database that stores quotes from users. These can be the user's favorite quotes, or completely created by the user. These quotes can be shared with other users or read for inspiration. The concept is simple, but the implementation was nightmare.

### Database Outline

New users register an account to gain access to the member's page. Existing users simply login. Sessions track whether a user is logged in and grants them access to the various web pages.

1. Quotes Table: stores quotes by the user. Each quote belongs to one user. Each quote also only has one topic.
2. Topics Table: stores titles of topics. Topics belong to many quotes.
3. Users Table: stores user's personal information, including the login information, which is the email and password. Users have many quotes and friends. A friend is someone who can view a user's quotes.
4. Friends Table: friends can belong to many users, but only have view rights of quotes and topics.
5. Relationship Table: stores the type of relationship between a user and friend.





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\*\*\*\*\* SETUP TABLES \*\*\*\*\*

#Create Users Table

```
CREATE TABLE users (
  id_user INT(11) UNSIGNED AUTO_INCREMENT PRIMARY KEY,
  f_name VARCHAR(255),
  l_name VARCHAR(255),
  email VARCHAR(255),
  password VARCHAR(255),
  dob DATE NOT NULL
)ENGINE=INNODB;
```

#Create Topics Table

```
CREATE TABLE topics(
  id_topic INT(11) UNSIGNED AUTO_INCREMENT PRIMARY KEY,
  title VARCHAR(255)
)ENGINE=INNODB;
```

#Create Quotes Table

```
CREATE TABLE quotes (
  id_quote INT(11) UNSIGNED AUTO_INCREMENT PRIMARY KEY,
  title VARCHAR(255),
  quote VARCHAR(255),
  fk_user INT(11) UNSIGNED,
  fk_topic INT(11) UNSIGNED,
  FOREIGN KEY(fk_topic) REFERENCES topics(id_topic),
  FOREIGN KEY(fk_user) REFERENCES users(id_user)
)ENGINE=INNODB;
```

#create Friends Table

```
CREATE TABLE friends(
  id_friend INT(11) UNSIGNED AUTO_INCREMENT PRIMARY KEY,
  f_name VARCHAR(255),
  l_name VARCHAR(255),
  email VARCHAR(255)
)ENGINE=INNODB;
```

#Create Share Table

```
CREATE TABLE share (
  topic INT(11) UNSIGNED,
  quote INT(11) UNSIGNED,
  FOREIGN KEY(topic) REFERENCES topics(id_topic) ON DELETE CASCADE,
  FOREIGN KEY(quote) REFERENCES quotes(id_quote) ON DELETE CASCADE
)ENGINE=INNODB;
```

#Create Relationship Table

```
CREATE TABLE relationship(
  user INT(11) UNSIGNED,
  friend INT(11) UNSIGNED,
  type INT(11),
  FOREIGN KEY(user) REFERENCES users(id_user) ON DELETE CASCADE,
  FOREIGN KEY(friend) REFERENCES friends(id_friend) ON DELETE CASCADE
)ENGINE=INNODB;
```

\*\*\*\*\* QUERIES \*\*\*\*\*

```
prepare("INSERT INTO users(f_name, l_name, email, password, dob) VALUES (?, ?, ?, ?, ?)")
```

```
$mysqli->prepare("INSERT INTO quotes(title, quote) VALUES (?, ?)")
```

```
$mysqli->prepare("INSERT INTO topics(title) VALUES (?)")
```

```
$mysqli->prepare("INSERT INTO friends(f_name, l_name, email) VALUES (?, ?, ?)")
```

```
$mysqli->prepare("SELECT quote FROM quotes")
```

```
$mysqli->prepare("SELECT title FROM topics")
```

```
$mysqli->prepare("SELECT f_name FROM friends")
```