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## Database Design

### Database Table for User Login

```
CREATE TABLE `users` (  
  `userid` bigint(255) NOT NULL AUTO_INCREMENT,  
  `uname` varchar(16) NOT NULL,  
  `email` varchar(255) NOT NULL,  
  `password` varchar(32) NOT NULL,  
  `first` varchar(45) NOT NULL,  
  `middle` varchar(45) DEFAULT NULL,  
  `last` varchar(45) NOT NULL,  
  `birthday` date DEFAULT NULL,  
  `location` varchar(45) DEFAULT NULL,  
  `profile_image` longblob,  
  `image_test` varchar(45) DEFAULT NULL,  
  `admin` tinyint(4) NOT NULL,  
  PRIMARY KEY (`userid`)  
) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=utf8;
```

### Database Table for User Posts

```
CREATE TABLE `posts` (  
  `postid` bigint(255) NOT NULL AUTO_INCREMENT,  
  `userid` bigint(255) NOT NULL,  
  `post` varchar(200) NOT NULL,  
  `create_time` varchar(45) NOT NULL DEFAULT 'CURRENT_TIMESTAMP',  
  `uname` varchar(16) DEFAULT NULL,
```

```
PRIMARY KEY (`postid`),  
KEY `userid` (`userid`),  
CONSTRAINT `posts_ibfk_1` FOREIGN KEY (`userid`) REFERENCES `users` (`userid`) ON DELETE NO  
ACTION ON UPDATE NO ACTION  
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=utf8;
```

#### **Database Table for Post Comments**

```
CREATE TABLE `comments` (  
  `commentid` bigint(255) NOT NULL AUTO_INCREMENT,  
  `userid` bigint(255) NOT NULL,  
  `postid` bigint(255) NOT NULL,  
  `comment` varchar(255) DEFAULT NULL,  
  PRIMARY KEY (`commentid`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

#### **Database Table for Friends**

```
CREATE TABLE `friends` (  
  `friendid` bigint(255) NOT NULL AUTO_INCREMENT,  
  `friendalpha` bigint(255) NOT NULL,  
  `friendbeta` bigint(255) NOT NULL,  
  `status` tinyint(4) NOT NULL,  
  PRIMARY KEY (`friendid`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

