

User table

ID	Username	Email	Password	Timestamp on update current timestamp
id	text	text	text	datetime

```
CREATE TABLE `users` (
  `id` int NOT NULL AUTO_INCREMENT,
  `username` varchar(255) NOT NULL,
  `email` varchar(255) NOT NULL,
  `password` varchar(255) NOT NULL,
  `timestamp` datetime NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE
CURRENT_TIMESTAMP,
  PRIMARY KEY (`id`),
  UNIQUE KEY `username` (`username`),
  UNIQUE KEY `email` (`email`)
)
```

Comment table

ID = primary key	postId = foreign	userId = foreign	timestamp	user_comment
id	id	id	datetime	datetime

```
CREATE TABLE `user_comment` (
  `id` int NOT NULL AUTO_INCREMENT,
  `postId` int NOT NULL,
  `userId` int NOT NULL,
  `timestamp` datetime NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE
CURRENT_TIMESTAMP,
  `userComment` text NOT NULL,
  PRIMARY KEY (`id`),
  KEY `submitId` (`postId`),
  KEY `userId` (`userId`),
  CONSTRAINT `user_comment_ibfk_1` FOREIGN KEY (`postId`) REFERENCES `posts` (`id`),
  CONSTRAINT `user_comment_ibfk_2` FOREIGN KEY (`userId`) REFERENCES `users` (`id`)
)
```

Posts table

```
CREATE TABLE `posts` (  
  `id` int NOT NULL AUTO_INCREMENT,  
  `username` text NOT NULL,  
  `title` text NOT NULL,  
  `summary` text NOT NULL,  
  `context` text,  
  `problem` text,  
  `solution` text,  
  `mitigation` text,  
  `timestamp` datetime NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE  
CURRENT_TIMESTAMP,  
  PRIMARY KEY (`id`)  
)
```

Log Table

```
CREATE TABLE log (  
  id int NOT NULL AUTO_INCREMENT,  
  endpoint varchar(255) NOT NULL,  
  args text,  
  res text,  
  extra text,  
  PRIMARY KEY (id)  
)
```

Incidents Table

```
CREATE TABLE incidents (  
  id int NOT NULL AUTO_INCREMENT,  
  username varchar(255) NOT NULL,  
  content text NOT NULL,  
  timestamp datetime NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE  
CURRENT_TIMESTAMP,  
  PRIMARY KEY (id)  
)
```

Incidents Ref Table

```
CREATE TABLE incident_reference (  
  postId int NOT NULL,  
  incidentId int NOT NULL,  
  FOREIGN KEY (postId) REFERENCES posts (id),  
  FOREIGN KEY (incidentId) REFERENCES incidents (id)  
)
```

Likes Table (First Version)

```
CREATE TABLE likes (  
    id int NOT NULL AUTO_INCREMENT,  
    username text NOT NULL,  
    postId int NOT NULL,  
    liked int DEFAULT 0,  
    timestamp datetime NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE  
CURRENT_TIMESTAMP,  
    FOREIGN KEY (postId) REFERENCES posts (id),  
    PRIMARY KEY (id)  
)
```