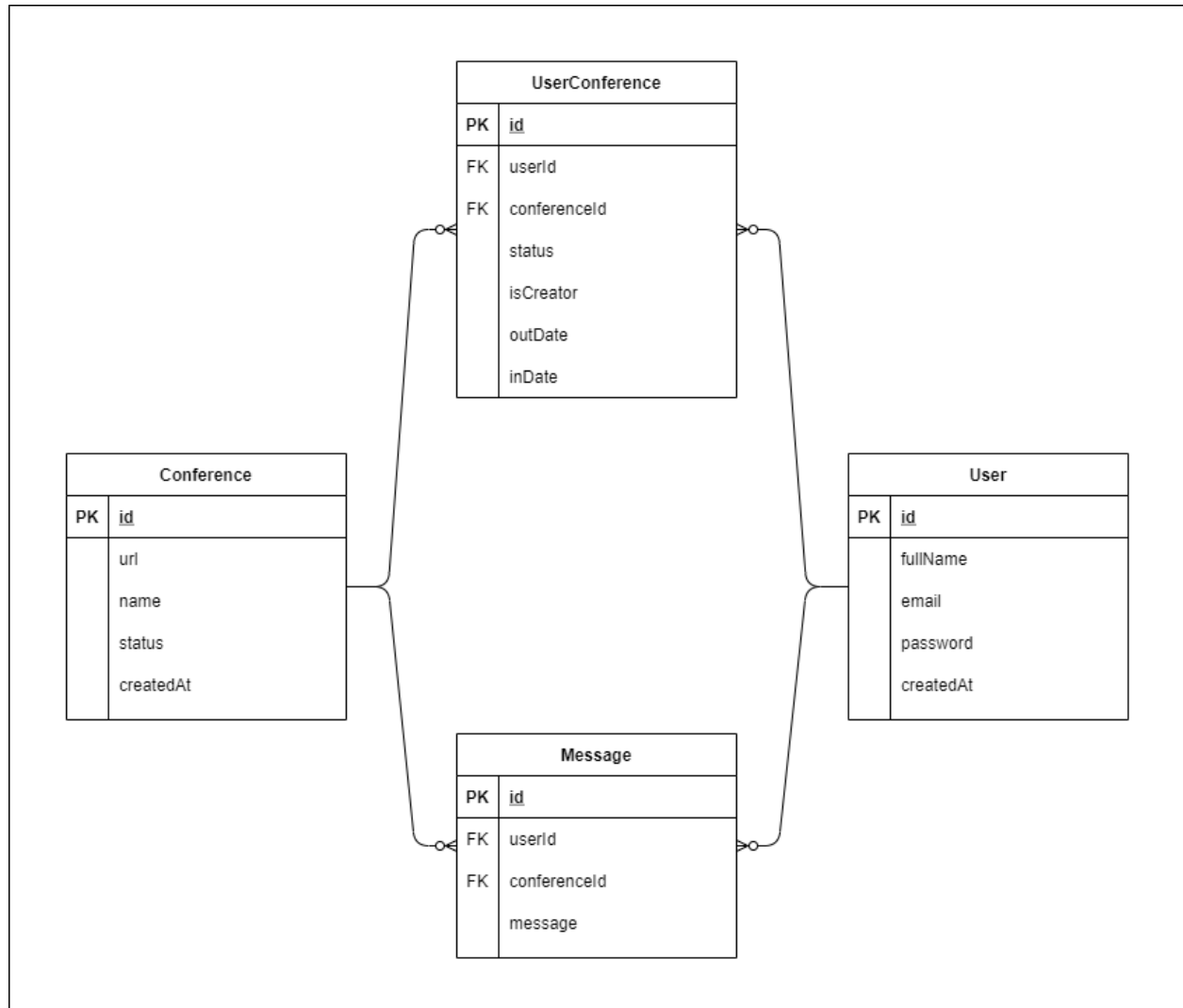


Questions Answers

Task 1

2. Database design (entity relationship diagram):



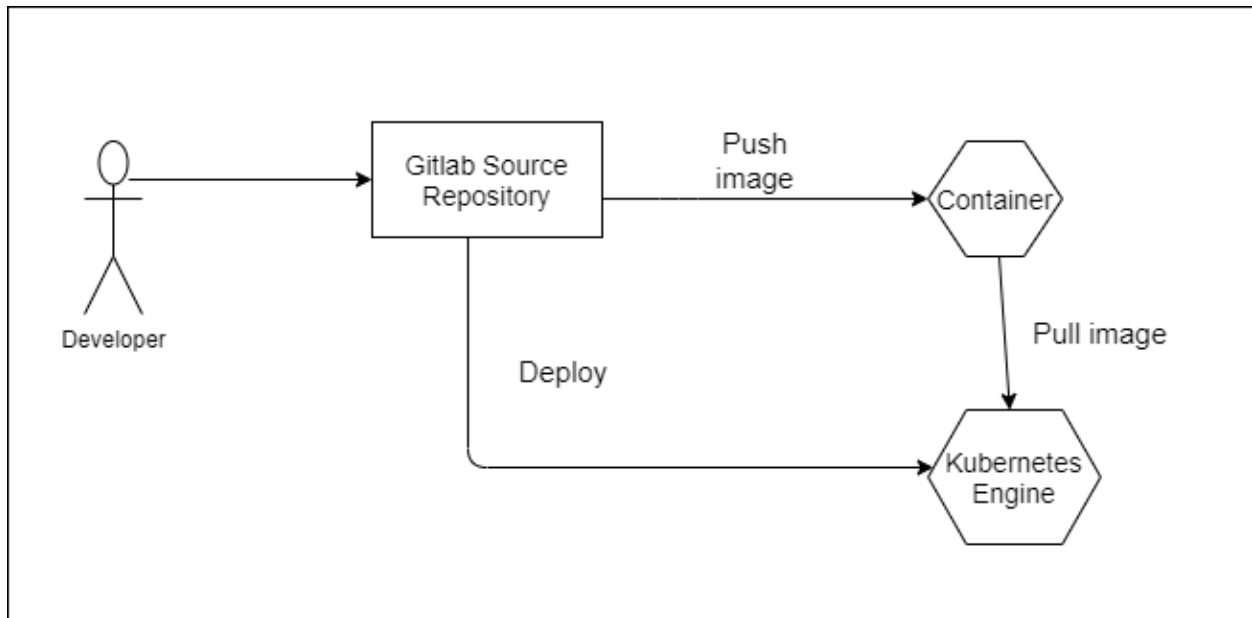
3. We can store the binary files (video -audio) in external storage like amazon web service -s3, bunny storage or any other cdn.

We can store the metadata of the files like url in conference table in our database so that we can reach the files from our application.

4. For the files security we can strict the access to the files using access token that added to the header of the request that get the file and we should change the access token periodically and ensure that only the users of the system can get this access token.

Task 2

1. Deployment stage



2. We can manage different deployment environments and its secrets and variables using .env files that contain environment variables of the project.

Each stage of deployment has different .env file (eg.. .production.env, .staging.env, .development.env). Such that each file contains the configurations of each stage like (database url, secrets of the project, version number, files storage url or path, jwt secret, ... etc).

3. We can make integration with logging service at api level and at database level. Which write records that describe each api call and store all the request information in Json format and store the response object.

We can check the errors in this service and study the full context of the api, then debug the code to know what is the cause of the error.

We can use Sentry debugging tool. Because it's a powerful tool in recognizing the errors. And gives a clear crash report.