1. What is a JWT token and how is it used in the context of authentication?

A JWT is a Json web token, its use as a way for securely transmitting information between a client and a server. It’s safe thanks to a secret that encrypts the information, and the information is delivered in JSON format. It’s used in authentication thanks to the security previously mentioned and delivers the credentials safely.

2. What is the difference between a serverless architecture and a traditional server-based architecture?

Serverless is more scalable, and it takes less configurations.

3. What is a "layer" in the context of AWS Lambda and what is its purpose?

Is used to package dependencies. Layers helps to reduce the code, following the principle of DRY

4. Why is it important to protect an application against XSS attacks, and what measures can be taken to prevent them?

Important company or user information could be stolen. And to prevent we can use validations or prevent to use inner html in inputs.

5. What are the advantages and disadvantages of using a NoSQL database like MongoDB compared to a relational database?

Mongo dB is more scalable and flexible. It needs less resources. The disadvantages could be maybe that the SQL could use an ORM no matter what kind of SQL database you use, and it makes it easier to use and read and more people know SQL databases.

6. What are some best practices for handling HTTP status codes in a RESTful API?

Deliver the right code depending on the operation, 100 codes for information, 200 for successful, 300 for redirection, 400 for client errors and the 500 for server errors.

7. How can pagination be implemented in a long list of rewards to improve performance and user experience?

If it’s a long list the time of loading will be bigger and that impacts the performance. About the user experience, it could be to filter the results by relevance and the user can access the rewards they need more easily.