1. In your own words highlight the differences in functionality and purposes Client-Side and Server-Side code serves in a full-stack web application.

   Client-Side:
   - Writes front-end coding (HTML, CSS, Javascript React)
   - Receives response from the server
   - Renders pages
   - Handles user's events/actions such as clicking icons

   Server-Side:
   - Writes back-end coding (Node.js)
   - Handles the HTTP request from the client's browser
   - Sends back the response of the HTTP request

2. What explains Nodes' rise in popularity and use? What does **"Isomorphic JavaScript programming"** mean? Provide some real-world examples not listed in this checkpoint of companies using Node.js.

Node.js is built on Google's V8 engine therefore it enables fast and seamless development on the browser with Javascript environment. Isomorphic JavaScript programming means that you can accomplish writing any web related applications (both front-end and back-end) with JavaScript.

The companies that use Node.js are: Trello, eBay, Medium, Walmart

3. Draw a **diagram** of a full-stack web application and its key components.

Application

React

Browser

Client Side

API Express

Postgre SQL

Node.js

Back-end

Postgre SQL