Dev Ops Activity

Time limit: 4 hours

Please prepare a working solution to the following problem. The solution should be submitted for review before an interview. Share a link to your code.

If you are selected for an interview, be ready to walk your interviewer through your code and via screen share.

You will be creating a websocket-based API in AWS API Gateway. Please create a working codeset:

1. Client
   1. You can use the client of your choice. Consider using [wscat](https://github.com/websockets/wscat#readme).
2. Server Side
   1. Configure an AWS API gateway endpoint which maintains a WebSocket to the client
   2. A Lambda connected to the API gateway endpoint which responds to requests sent to the API gateway
   3. A DynamoDB collection which contains a set of random words
      1. eg [{ “word”: “car“}, {“word“: “truck“}, {“word“: “banana“}]
3. Simple workflow
   1. Client should establish a WebSocket connection to the API Gateway
   2. Client should send a message to the API Gateway endpoint that triggers the Lambda to read a random word out of the DynamoDB collection
   3. The Lambda should return the random word to the API Gateway which should return it to the client which should display it on the screen