Design a gRPC Protobuf task list – Protobuf OrderMessage

```proto
syntax = "proto3";

message OrderMessage {
    enum Status {
        Queued = 0;
        Processing = 1;
        Completed = 2;
        Failed = 3;
    }

    enum Equipment {
        Desktop = 0;
        Keyboard = 1;
        Mouse = 2;
        Webcam = 3;
        Monitor = 4;
    }
```

Design a gRPC Protobuf task list – Protobuf OrderService

```
Cont...
message OrderMessage {


  string order_id =1;
  string created_by =2;
  string status = 3;
  string created_at =4;
  repeated Equipment equipment = 5;
}




Service OrderService {
    rpc Create(OrderMessage) returns (OrderMessage)
}
```

gRPC Protobuf – Comparison of tradeoffs with using protobufs versus JSON

Protobuf Pros:
- Small payload
- Typesafe
- HTTP/2 protocol

Protobuf Cons:
- Strict

JSON Pros:
- Flexible
- Universal

JSON Cons:
- Higher payload
- Needs 3rd party libs for type checking (Python -> marshmallow)