**Senior Software Engineer (Frontend) Test**

## Guidelines

1. Use any programming language, framework & natural language (ES, CA, EN) of your choice.
2. Try to describe your thought process as much as you can. Remember, how you approach a problem is more important than the actual solution.
3. Please assume conditions wherever necessary and explain the reasons behind your assumptions
4. If you need any clarifications before attempting the test, please reach out to pratyush@deporvillage.com

## Questions

1. Please write a new App called “Order Explorer” which will -
   1. Support the Standard Order Flow for an Ecommerce Order - Search, Details, Modify.
   2. Consider an Order Object to have the following details -
      1. Order Id,
      2. Total amount
      3. Order Lines, where each line is a collection of -
         1. Item SKU
         2. Price
         3. Quantity
      4. Order Shipping Address
      5. Order Billing Address
   3. Consider the following to be standard order statuses -
      1. Pending Confirmation
      2. Confirmed
      3. Sent to Warehouse
      4. Shipped
      5. In Transit
      6. Delivered
   4. The App will use APIs to connect to the backend system for data retrieval and manipulation, so assume all the API calls you may need for the functioning of the App, you can mock the API calls by just using simple json files stored in your local filesystem,.
2. Once you app is almost ready, how will you deploy the service to a cloud hosting? You can try to summarize your solution using -
   1. CI/CD? How? Which tools?
   2. Monitoring & Alerts? Any concrete tool?
   3. Logging?
   4. Deployment - Microplatform (AMI) vs Kubernetes?