

## **CODING TEST**

### **Challenge Details:**

We want to build a simple approval workflow app.

On this app, a user can make a **request** and the request should be approved by a group of **approvers**.

**Approvers** are users who have been chosen to approve requests.

The app should cater for a way to orchestrate a hierarchy for these approvers such that when a request is raised,

it falls on the user at the lowest level in the hierarchy to approve. After a user in a level has approved,

it moves on to the next person till it gets to the person in the highest level in the hierarchy, then the request will be considered approved.

Where one user in a level rejects, the request should be considered rejected.

### **Tasks:**

1. Create an Entity Relationship Diagram (ERD) outlining how your system would look. If your database-level representation differs from your application-level representation, either explain how they are different or create separate diagrams.

2. Our app is now gaining traction and we want to have users in different departments, also these different departments will have different approvers. Create an ERD showing how this change will be represented.

If you have any questions, write down your assumption when sending your delivery. After you've completed this, make a submission with the required documents.

Good luck!