

# Premier Mavericks Hackathon Assessment

Version: 1.0 | Date:2/5/2022

## Hackathon Assessment



Covid 19 Management System







# Table of Contents

1.0	Covidd 19 Management System using Spring Boot and Angular .....	3
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## **Covid -19 MANAGEMENT SYSTEM**

**Duration: 4 hrs**

### **Requirements**

The COVID-19 pandemic has been felt across all industries, sparing little and forever changing the way we live, socialize, and work. Create a covid 19 tracker application for your organization to keep track of the employees infected by Covid.

Employee details (id, name, project, manager, city, phone no, gender etc.) are stored in the database. Once the employee has been tested positive, he can submit his report and fill up the form in the company portal to avail covid benefit ( Sick leave :14 days, Home quarantine worth :Rs10000).

A manager can view the list of employees infected by covid. Create a dashboard view, where the employees affected by covid can be filtered by city, grade, project, gender, Noofdays affected. After 14 days of registering in the portal, the employee status must be updated to recovered / Critical state.

### **Validations**

Validations, with error messages, both on

- An employee can avail the benefit only if has take 2 dosage of boosters
- An employee cannot avail the benefits, if he does not upload a document.
- An employee cannot avail the benefits within 90 days.

### **Technology stack to be used:**

**Frontend:** Angular

**Backend:** Spring Boot

**Database:** Spring data using MySQL

### **Mark Distribution:**

Database Table- 10	UI design – 20	Business logic - 30	Validation-10	Data Access logic - 10	Execution -20
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