You have been contracted to build a Leave module for an end-to-end HR-solution . Below are the requirement:

1. Employee’s should have a leave bank of 20 working annual leave days.
2. Employee’s should be able to apply for leave not exceeding their maximum leave days
3. Once an employee applies for leave , a mock notification should be sent to their line manager for approval.
4. If a leave falls within a public holiday, the expected end date should be extended by the number of public holiday days within the leave days
5. Weekends should be excluded in the total leave days . i.e if a leave falls within a weekend , the weekend day should not afftect the available remaining leave.
6. Database should be created using migrations

Commit your complete solution to your github account , and share the git repo link .