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Project name: Interview Registration system

Abstract- The interview reservation system will allow companies and candidates to agree upon an interview date and time. The system will allow the company and candidates to share their availability. At that time a scheduling service can send suggested dates and times to the candidate and the candidate can choose an interview time. The system will also allow integration with Google Calendar or another calendar system so users can see appointments in their calendar. If anyone needs to change the date or time of the scheduled appointment, they can interact with the system to find and propose a new date or time. Interviews can also be canceled by either party and they can specify the reason for the cancellation. Alerts will be sent by the system through email. Reporting will be available as well so parties can see a full view of their interviews.

Objectives: Company Availability, Candidate Availability, Scheduled Appointments,

Interview Request, Interview Confirmation, Propose Possible Interview Dates and Times

Schedule: setting up Kubernetes - 7/18

setting up docker hub - 7/18

GitHub actions basic pipeline - 7/19

general architecture - 7/20

setup Kafka - 7/21

security - 7/23

authentication - 7/23

authorization - 7/25

communications - 7/27

company - 7/29

candidate - 7/29

scheduling - 7/30

report – 7/30

calendar integration - 7/31

alerting - 8/1

change - 8/1

testing - 8/2

List of Technologies will be used: python, flask, Kafka, docker hub, docker, Kubernetes, PostgreSQL
communications, company, candidate, scheduling, calendar integration

alerting, change (cancel/change date), reporting, and authentication and authorization