import java.util.ArrayList;

import java.util.HashMap;

import java.util.List;

import java.util.Map;

public class JobAgencySystem {

// Map to store available jobs and required skills

private Map<String, List<String>> availableJobs;

// Map to store job seekers and their skills

private Map<String, List<String>> jobSeekers;

public JobAgencySystem() {

availableJobs = new HashMap<>();

jobSeekers = new HashMap<>();

}

public void addJob(String jobTitle, List<String> requiredSkills) {

availableJobs.put(jobTitle, requiredSkills);

}

public void addJobSeeker(String jobSeekerName, List<String> skills) {

jobSeekers.put(jobSeekerName, skills);

}

public List<String> getMatchingJobs(String jobSeekerName) {

List<String> matchingJobs = new ArrayList<>();

for (String jobTitle : availableJobs.keySet()) {

List<String> requiredSkills = availableJobs.get(jobTitle);

List<String> jobSeekerSkills = jobSeekers.get(jobSeekerName);

if (jobSeekerSkills.containsAll(requiredSkills)) {

matchingJobs.add(jobTitle);

}