FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

1. Modify the data model to provide storing data about fired employees, considering the date and reason.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

2. Modify the data model to provide storing data about working periods, considering the position and payment per hour in each period.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

3. Modify the data model to provide storing data about vacation days, considering available and used days per specific year.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

4. Modify the data model to provide storing data about sick leaves, considering the number of days and confirmation (sick leave document).

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

5. Modify the data model to provide storing data about working hours of employees for each working day (specific dates).

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

6. Modify the data model to provide storing data about previous employee’s positions, considering working periods for each position.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

7. Modify the data model to provide relation between each employee’s position and department, considering working periods.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

8. Modify the data model to provide storing data about sub-departments for each department.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

9. Modify the data model to provide storing data about skills required for a certain position, considering the level for each skill.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

10. Modify the data model to provide storing data about levels of employee’s skills.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

11. Modify the data model to provide storing data about skills required for a certain role in a project.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

12. Modify the data model to provide storing data about required resources (roles) for each project, considering the payment per hour and deadline.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

13. Modify the data model to provide storing data about project stages, considering the working period for each stage.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

14. Modify the data model to provide storing data about requirements for each project, considering the type of requirement (functional, non-functional, etc.).

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

15. Modify the data model to provide storing data about project documentation (e.g., technical task) for each project, considering document format (text, spreadsheet, a certain CASE-tool format, etc.).

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

16. Modify the data model to provide storing data about technologies (programming languages, DMBS, etc.) used in each project, considering technologies types.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

17. Modify the data model to provide storing data about tasks for each project, considering the priority and status of each task.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

18. Modify the data model to provide storing data about countries of remote employees, considering a certain time zone.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

19. Modify the data model to provide storing data about project customer’s representatives, considering the first name, last name, contacts, and position.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

20. Modify the data model to provide storing data about customer’s staff, considering the position and role in a certain project.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

21. Modify the data model to provide storing data about several email addresses of a project’s customer, considering the purpose of each address.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

22. Modify the data model to provide storing data about several phone numbers of a project’s customer, considering the purpose of each number.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

23. Modify the data model to provide storing data about several Skype accounts of a project’s customer, considering the purpose of each number.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

24. Modify the data model to provide storing data about legal status of each project’s customer, considering is it private person or legal entity.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

25. Modify the data model to provide storing data about possible payment options for each project’s customer, considering the corresponding account, e-wallet, etc.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

26. Modify the data model to provide storing data about employee’s working contacts – several phone numbers.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

27. Modify the data model to provide storing data about employee’s working contacts – several email addresses.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

28. Modify the data model to provide storing data about employee’s working contacts – several Skype accounts.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

29. Modify the data model to provide storing data about personal phone numbers for each employee.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

30. Modify the data model to provide storing data about home address for each employee.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

31. Modify the data model to provide storing data about family members of each employee, considering the full name, birth date, and relation type.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

32. Modify the data model to provide storing data about higher education of employees, considering the university, specialty, year of graduation, and number of diploma.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

33. Modify the data model to provide storing data about various documents (diploma, certificate, etc.) that proof employee’s skills, considering dates of issue.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

34. Modify the data model to provide storing data about employee’s language skills, considering fluency levels in each language.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

35. Modify the data model to provide storing data about employee’s personal cars, considering the brand, model, year, engine type, number of passenger seats, and number of parking spot.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

36. Modify the data model to provide storing data about employee’s absence, considering the reasons of absence.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

37. Modify the data model to provide storing data about employee’s hobbies.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

38. Modify the data model to provide storing data about anthropometric data for each employee (height, weight, clothes size, foot size, etc.).

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

39. Modify the data model to provide storing data about employee’s work devices (laptops, mobile devices, headphones, etc.).

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

40. Modify the data model to provide storing data about employee’s vacations, considering the leaving period, as well as the vacation type (paid, unpaid, etc.).

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

41. Modify the data model to provide storing data about employee’s education, considering education institution, period, education level (basic, high school, professional school, higher education, etc.).

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

42. Modify the data model to provide storing data about types of employment for each employee (staff, part-time, contractor, etc.).

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

43. Modify the data model to provide storing data about sport achievements of employees, considering the sport, rank, and date of issue.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

44. Modify the data model to provide storing data about employees’ membership in professional communities and associations.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

45. Modify the data model to provide storing data about employees’ loans, considering loan period, amount, and payment.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

46. Modify the data model to provide storing data about employees’ awards of different types (certificates, medals, cups, etc.).

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

47. Modify the data model to provide storing data about payment conditions for each customer (prepaid, postpaid, etc.).

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

48. Modify the data model to provide storing data about employees’ pets, considering the name, type, breed, age, and weight.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

49. Modify the data model to provide storing data about employees’ food paid by organization, considering the type, ordered meals, and meal time.

FN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Group: \_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Modify the data model according to requirements below:

(result model must correspond to the 3NF)

50. Modify the data model to provide storing data about employees’ transportation paid by organization, considering the type, cost, number of rides per day.