TO-DO List

Insertion of Records

1. Insertion of Animal Record (Table: Animal)
2. Record Animal Adoption with Customer (Table: Adopt)
3. Record Animal Fostering with Customer (Table: Foster)
4. Record Animal Injuries (Table: Injury)
5. Insertion of Customer Record (Table: Customer)
6. Insertion of Volunteer Record (Table: Volunteer)
7. Record Volunteer's Timings (Table: Volunteer_Timings)
8. Record Volunteer taking care of Animal (Table: Takes_Care)
9. Insertion of Donation Record (Table: Donations)
10. Record Donation spent on Animal (Table: Spending)

During the Insertion of new records, the program should generate unique key attributes where required, I.e 1,5,6,9

Searching of Records

11. search of Animal Record (Table: Animal)
12. search Record of Animal Adoption with Customer (Table: Adopt)
13. search Record of Animal Fostering with Customer (Table: Foster)
14. search Record of Animal Injuries (Table: Injury)
15. search of Customer Record (Table: Customer)
16. search of Volunteer Record (Table: Volunteer)
17. search Record of Volunteer's Timings (Table: Volunteer_Timings)
18. search Record of Volunteer taking care of Animal (Table: Takes_Care)
19. search of Donation Record (Table: Donations)
20. search record of donation spent on animal (Table: Spending)

a search feature should be implemented to find a specific record, if the record does not have key attributes, then the search feature should be based of other attributes and should show the result in the order of recently modified/Inserted first. Tables with Key attributes can also be searched with this method

Modification of Records

21. modification of Animal Record (Table: Animal)
22. modify Record of Animal Adoption with Customer (Table: Adopt)
23. modify Record of Animal Fostering with Customer (Table: Foster)

24. modify Record of Animal Injuries (Table: Injury)

25. modification of Customer Record (Table: Customer)

26. modification of Volunteer Record (Table: Volunteer)

27. modify Record of Volunteer's Timings (Table: Volunteer_Timings)

28. modify Record of Volunteer taking care of Animal (Table: Takes_Care)

29. modification of Donation Record (Table: Donations)

30. modify Record of Donation spent on Animal (Table: Spending)

Deletion of Records

31. Delete Animal from the database and its subsequent Adoption Fostering and Injury Records, other records involving this animal should not be deleted
    (Delete: Animal
      Cascade: Adopt, Foster, Injury
      Set Default/Null: Spending, Takes_Care)

32. Delete Customer Record but KEEP Fostering and Adoption Records
     (Delete: Customer
        Set Default/Null: Foster, Adopt)

33. Delete Volunteer Record and its subsequent Volunteer_timings record but keep other records involving the volunteer
    (Delete: Volunteer
       Cascade: Volunteer_Timings
      Set Default/NULL: Takes_Care)

34. Delete Donation Record but KEEP the spending record
     (Delete: Donation
        Set Default/NULL: Spending)

35. Delete Spending Record

36. Delete Takes_Care Record

37. Delete Injury Record

38. Delete Adoption Record

39. Delete Foster Record

40. Delete Volunteer Timing Record

from 14-20 Deletion of these records wont affect any other table

41. Deletion of Both Donation and Animal record will result in the deletion of the related Spending record

42. Deletion of Both Volunteer and Animal record will result in the deletion of the related Takes_Care record

Viewing Data

43. Display List of Animal Records from this list a record can be picked for viewing in 47

44. Display List of Customer Records from this list a record can be picked for viewing in 48

45. Display List of Volunteer Records from this list a record can be picked for viewing in 49

46. Display List of Donation Records from this list a record can be picked for viewing in 50

47. Display An Animal Record and show its corresponding Adopt, Foster, Spending, Takes_Care and Injury Records also Show the total time it was taken care of by Any Volunteer

48. Display A Customer Record and show corresponding Adopt and Foster Records

49. Display A Volunteer Record and show corresponding Volunteer_Timing and Takes_Care Records, also show the total Hours of Volunteer_Timing and The Total time the volunteer spent taking care of an Individual Animal

50. Display Donation Record and show corresponding Spending Records

Other Function

51. When the program is first launched, create a database and tables also prompt user to create a password and store it

52. When the program starts if the Database and Password is saved, prompt user to Input the password and give access.

New Functions

53.