Student Name: Nouraldin Hassan  
Student Number: 041054019

UNF: Invoice\_Number, Invoice\_Date, Invoice\_Amount, Client\_Name, Client\_Street, Client\_City, Client\_Postal\_Code, Client\_Phone { Pet\_ID, Pet\_Name, Pet\_Age, Pet\_Owner, Pet\_Client { Visit\_ID, Visit\_Date { Procedure\_Number, Procedure, Procedure\_Amount } } }

1NF: Invoice\_Number, Invoice\_Date, Invoice\_Amount, Client\_Name, Client\_Street, Client\_City, Client\_Postal\_Code, Client\_Phone.

2NF: [Invoice\_Number, Invoice\_Date, Invoice\_Amount] [Client\_Name, Client\_Street, Client\_City, Client\_Postal\_Code, Client\_Phone, Invoice Number (FK)] [Pet\_ID, Pet\_Name, Pet\_Age, Pet\_Owner, Pet\_Client, Client\_Name (FK)] [Visit\_ID, Visit\_Date, Pet\_ID (FK)] [Procedure\_Number, Procedure, Procedure\_Amount, Visit\_ID (FK)]

***Health History Report (SAMPLE)***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| PET\_ID | PET\_NAME | PET\_TYPE | PET\_AGE | OWNER | VISIT\_DATE | PROCEDURE |
| 246 | Rover | Dog | 12 | Sam Cook | Jan 13, 2010 | Rabies Vaccination |
| 246 | Rover | Dog | 12 | Sam Cook | Mar 27, 2010 | Laceration, Front Paw |
| 246 | Rover | Dog | 12 | Sam Cook | Apr 02, 2010 | Heart Worm Test |
| 298 | Spot | Dog | 2 | Terry Kim | Jan 21, 2010 | Tetanus Vaccination |
| 298 | Spot | Dog | 2 | Terry Kim | Mar 10, 2010 | Heart Worm Test |
| 341 | Morris | Cat | 4 | Sam Cook | Jan 23, 2009 | Rabies Vaccination |
| 341 | Morris | Cat | 4 | Sam Cook | Jan 13, 2010 | Rabies Vaccination |
| 519 | Tweedy | Bird | 2 | Terry Kim | Apr 30, 2010 | Annual Check Up |
| 519 | Tweedy | Bird | 2 | Terry Kim | Apr 30, 2010 | Eye Wash |

**1NF TABLE:**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PET\_ID | PET\_NAME | | PET\_AGE | PET\_OWNER | | PET\_CLIENT | | VISIT\_ID | VISIT\_NAME | VISIT\_DATE |
| Procedure\_Number | | Procedure | | | Procedure\_Amount | |