COMP9311 Assignment 1

1

Available\_

work\_period

Dish

Order

Customer

Suburbrb

Streetrb

m

1

m

1

1

n

n

m

n

1

Contain

Involve

Provide

Allocate

Create

Order\_IDb

Restaurant\_ID

Contact\_person

Contact\_number

R\_Suburbrb

R\_Streetrb

Locationrb

Quantitiesb

Order\_timeeb

Priceb

Dish\_namerb

Dish\_ID

D

Restaurant

Short\_description

Agerb

Genderrb

Rider\_ID

Rider

Email

Namerb

Phone\_number

Addressrb

2

Available\_work\_period

|  |  |
| --- | --- |
| Rider\_ID | available\_work\_period |

Rider

|  |  |  |
| --- | --- | --- |
| Rider\_ID | Age | Gender |

Customer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| C\_Email | Phone\_number | Name | Suburb | Street |

Order

|  |  |  |  |
| --- | --- | --- | --- |
| Order\_ID | Rider\_ID | Restaurant\_ID | C\_Email |

Contain

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Order\_ID | Restaurant\_ID | Dish\_ID | Quantities | Order\_time |

Dish

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Restaurant\_ID | Dish\_ID | Dish\_name | Price | Short\_description |

Restaurant

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Restaurant\_ID | Contact\_number | Contact\_person | R\_suburb | R\_Street |

3

1. wpsoffice{*title*}( Songwpsoffice(wpsoffice(*genre=’pop’*)(GenreOfSong))wpsofficeSongCreatingwpsoffice

(wpsoffice(*name=’Taylor Swift’*)(Artist)))

2) wpsoffice{*title*}( SongwpsofficeSongCreatingwpsoffice(wpsoffice*(name=’Taylor Swift’ OR name=*

*’Ed Sheeran’)*(Artist)))

3) A ← wpsoffice{*name*}((wpsoffice*(gender=’female’)*(Artist))wpsofficeJoinInwpsoffice

(wpsoffice*(name=’Universal Music Group’)*(Company)))

B ← wpsoffice{*name*}(ArtistwpsofficeSongCreatingwpsoffice(wpsoffice(*genre=’pop’*)(GenreOfSong)))

C ← wpsoffice{*name*}(ArtistwpsofficeSongCreatingwpsoffice(wpsoffice(*genre=’hip-hop’*)(GenreOfSong)))

D ← Awpsoffice(B - C)

4) A ← wpsoffice{*name*}(Artistwpsoffice( (SongCreatingwpsofficeGenreOfSong) wpsofficewpsoffice{*genre*} (GenreOfSong)))

B ← wpsoffice{*name*}(Artistwpsoffice(wpsoffice*{aID}*((wpsoffice*{sID}*((wpsoffice*{aID}*(wpsoffice(*name=’Taylor Swift’*)(Artist)))

wpsofficeSongCreating))wpsofficeSongCreating)))

C ← Awpsoffice(B - ’Taylor Swift’)