**Database Assignment s5014219 Damien Robinson**

**Section 1**

1. A car has an engine size, transmission, make, model and Vehicle Identification Number. The Vehicle I identification Number of a car is unique.
2. A car must be made by a factory.
3. A factory has a name and a city. The Name of a factory is unique.
4. A car may be sold by a dealer for a price.
5. A dealer has an address, name, email and phone. The address and name of a dealer is unique.
6. A dealer can sponsor a car ad for a cost.
7. A car Ad has a title that is determined by the agency.

**Section 2**

**Factory (Name, City)**   
Primary key (PK): {Name}

**Car(VIN, EngSize, Trans, Make, Model)**PK: {VIN}

**Dealer(Address, Name, E-Mail)**  
PK: {Address, Name}

**Car\_Ad(Title, Name)**  
PK: {Title},  
Foreign key (FK): Name is Name in Agency

**Agency(Name, Address, Phone)**  
PK: {Name}

**Hybrid(VIN, EngSize, Trans, Make, Model)**  
PK: {VIN}

**Dealer Phone(Address, Name, Phone)**  
PK: {Address, Name, Phone},  
FK: Address is Address in Dealer, Name is Name in Dealer

**Sold\_By(VIN, Address, Name, Price)**  
PK: {VIN, Address, Name}  
FK: VIN is VIN in Car, Address is Address in Dealer, Name is Name in Dealer

**Sponsors(Title, Address, Name, Cost)**  
PK: {Title, Address, Name}  
FK: Title is Title in Car\_Ad, Address is Address in Dealer, Name is Name in Dealer

**Features\_in(Title, VIN, Year)**  
PK: {Title, VIN}  
FK: Title is Title in Car\_Ad, VIN is VIN in Car

**Section 3**

