Génie Logiciel
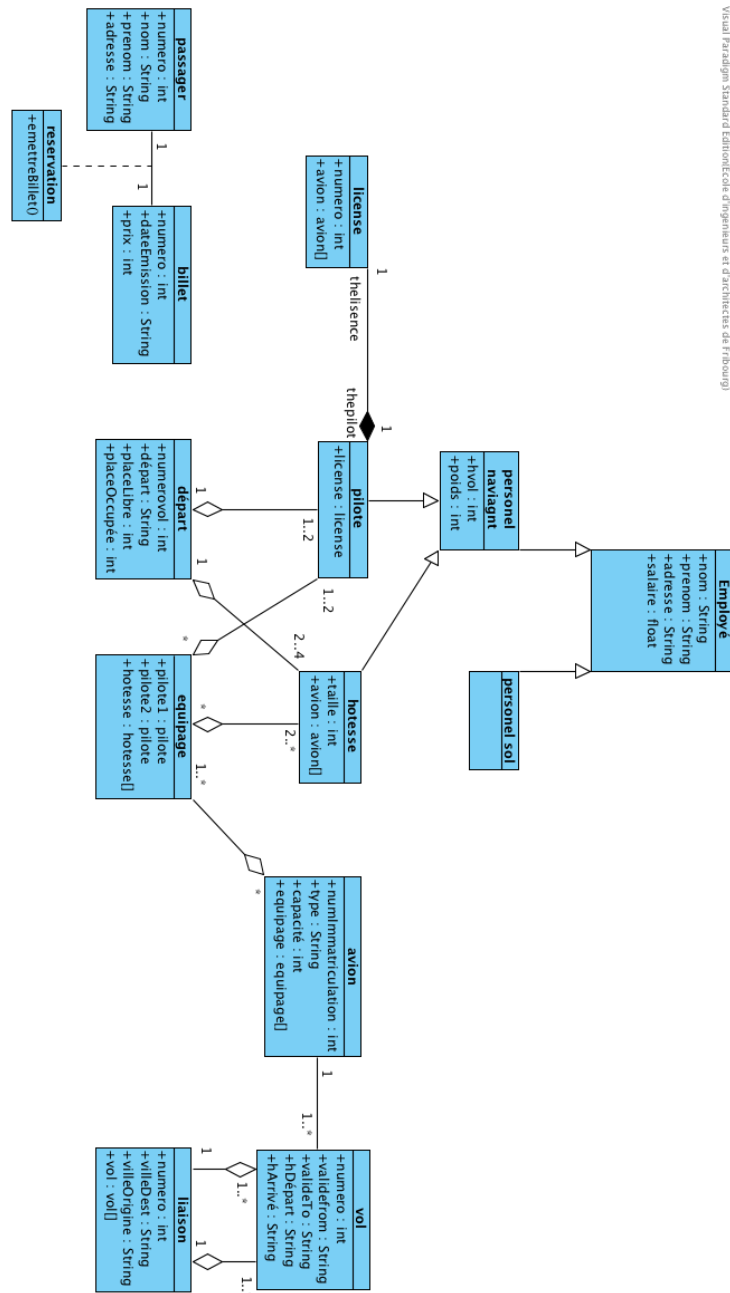
Compagnie aérienne

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Diagramme de classe

1 Codes Java

Listing 1 – avion.java

```java
public class avion {

    public int numImmatriculation;
    public String type;
    public int capacite;
    public equipage[] equipage;

}
```

Listing 2 – billet.java

```java
public class billet {

    public int numero;
    public String dateEmission;
    public int prix;

}
```

Listing 3 – depart.java

```java
public class depart {

    public int numerovol;
    public String depart;
    public int placeLibre;
    public int placeOccupee;

}
```

Listing 4 – employe.java

```java
public class Employe {

    public String nom;
    public String prenom;
    public String adresse;
    public float salaire;

}
```

Listing 5 – equipage.java

```java
public class equipage {

    public pilote pilote1;
    public pilote pilote2;
    public hotesse[] hotesse;

}
```

Listing 6 – hotesse.java

```java
public class hotesse extends personelNavigant {

    public int taille;
    public avion[] avion;

}
```

Listing 7 – liaison.java

```java
public class liaison {

    public int numero;
    public String villeDest;
    public String villeOrigine;
    public vol[] vol;

}
```

Listing 8 – depart.java

```java
public class depart {

    public int numerovol;
    public String depart;
    public int placeLibre;
    public int placeOccupee;

}
```

Listing 9 – license.java

```java
public class license {

    pilote thepilot;
    public int numero;
    public avion[] avion;

}
```

Listing 10 – passagerjava

```java
public class passager {

    public int numero;
    public String nom;
    public String prenom;
    public String adresse;

}
```

Listing 11 – personelNavigant.java

```java
public class personelNavigant extends Employe {

    public int hvol;
    public int poids;

}
```

Listing 12 – personelSol.java

```
public class personelSol extends Employe {
}
```

Listing 13 – pilote.java

```
public class pilote extends personelNavigant {

    license thelisence;
    public license license;

}
```

Listing 14 – reservation.java

```
public class reservation {

    public void emettreBillet() {
        // TODO - implement reservation.emettreBillet
        throw new UnsupportedOperationException();
    }

}
```

Listing 15 – vol.java

```
public class vol {

    public int numero;
    public String validefrom;
    public String valideTo;
    public String hDepart;
    public String hArrive;

}
```

Fribourg, le 12 décembre 2016

Samuel Riedo   Maïc Queiroz