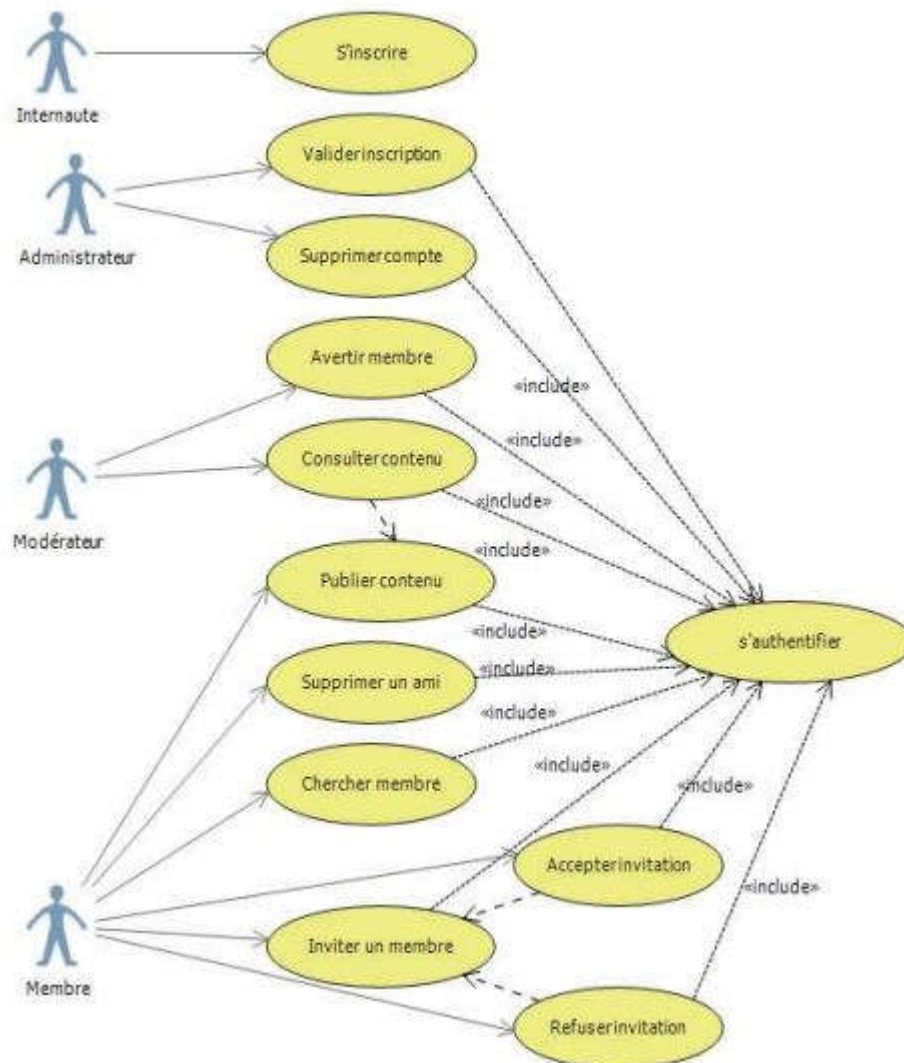# Correction Examen Fin de formation Théorique 2012
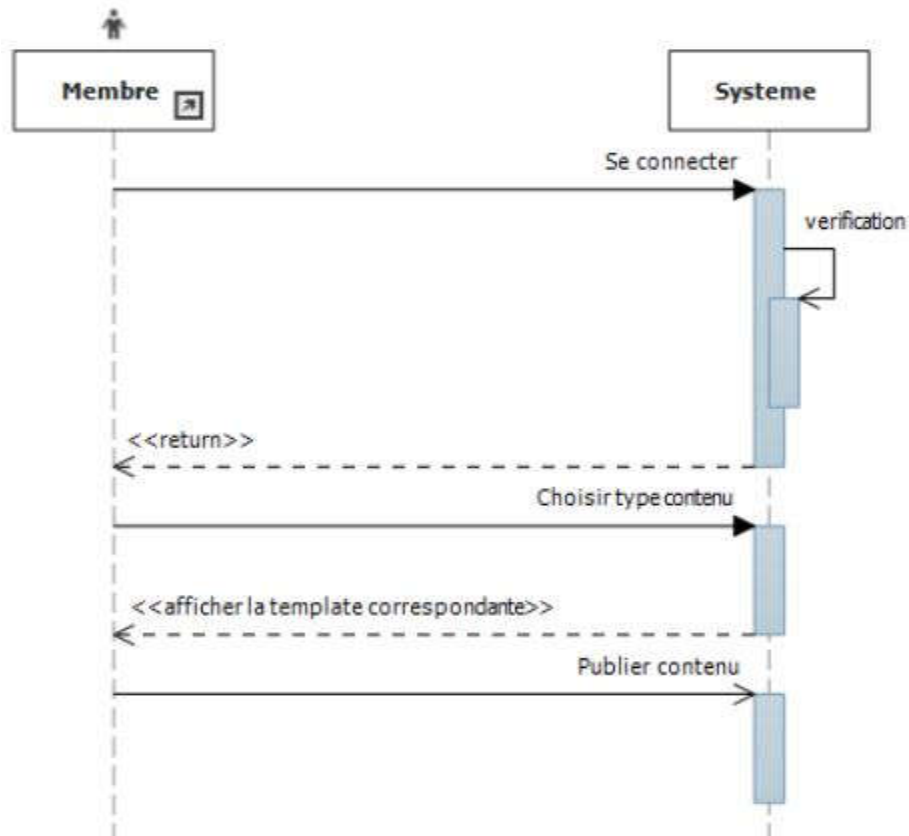
DOSSIER 1 :
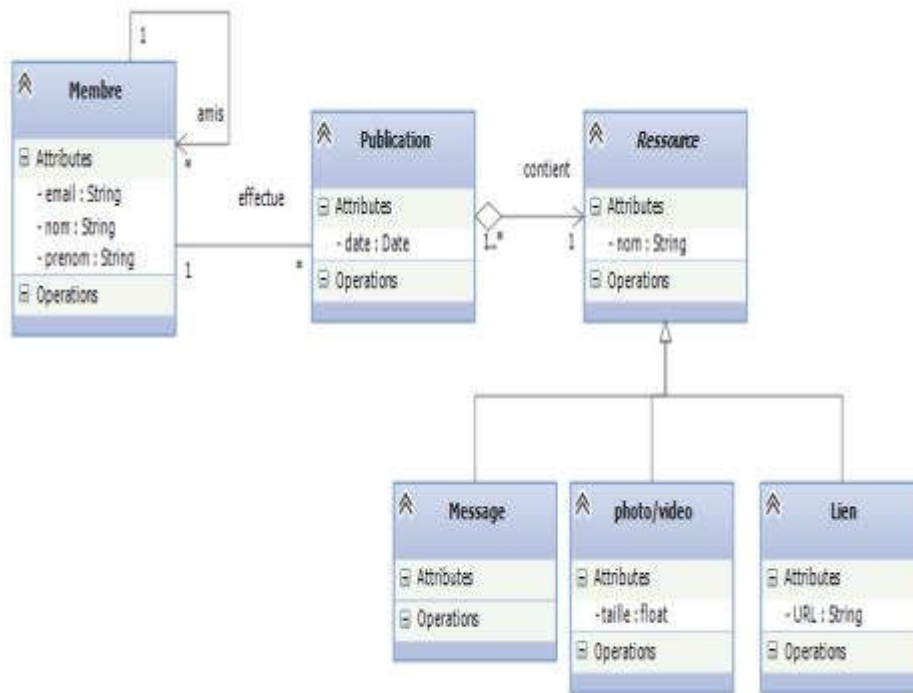
1-

2 –

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```
        Membre ⊡                          Systeme
          │                                  │
          │          Se connecter            │
          │─────────────────────────────────▶█
          │                                  █   verification
          │                                  █──┐
          │                                  █  │
          │                                  █◀─┘
          │                                  █
          │                                  █
          │         <<return>>               █
          │◀─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ █
          │       Choisir type contenu       │
          │─────────────────────────────────▶█
          │                                  █
          │  <<afficher la template correspondante>>
          │◀─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ █
          │        Publier contenu           │
          │─────────────────────────────────▶█
          │                                  █
          │                                  █
```
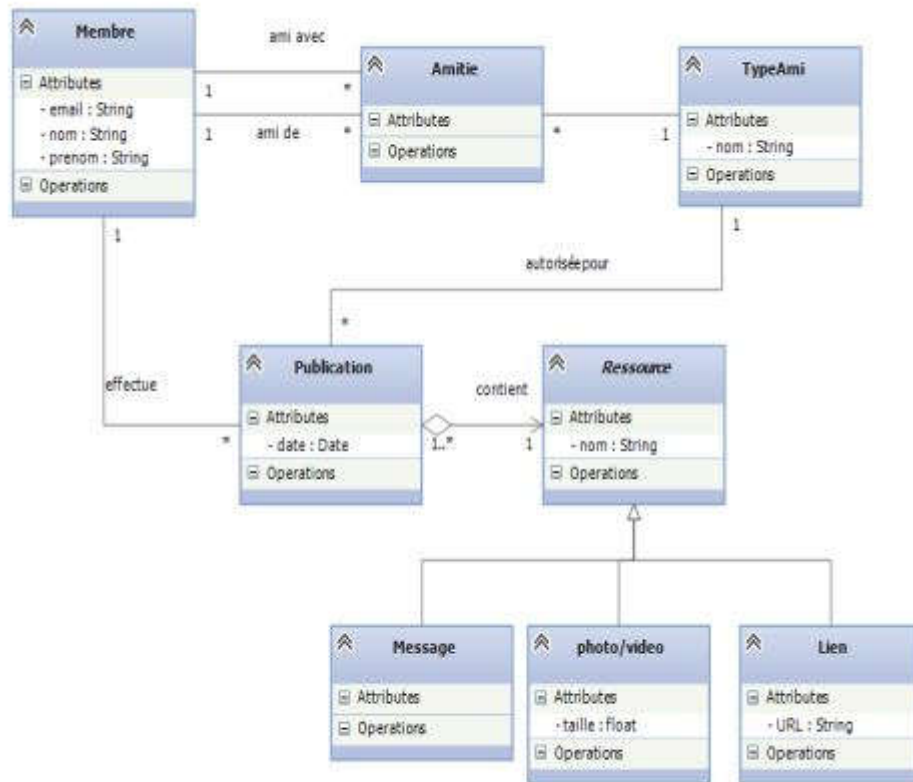
3)

5) ....

DOSSIER 2 :

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1- `SELECT COUNT(*) AS 'nombre de matchs' FROM Match`
   `WHERE numJournee=12`

2- `SELECT numJournee, COUNT(numMatch) AS 'nombre de matchs' FROM Match`
   `GROUP BY numJournee`

3- `SELECT numMatch, dateMatch, numJournee FROM Match`
   `WHERE nombreSpectateur = (SELECT MAX(nombreSpectateur) FROM Match)`

4- `SELECT SUM(MyTable.resultat) FROM`
   `(SELECT resultat=COUNT(numMatch)*3 FROM Match`
   `WHERE (nombreButLocaux > nombreButVisiteurs and codeEquipeLocaux=112)`
   `OR (nombreButLocaux < nombreButVisiteurs and codeEquipeVisiteurs=112)`
   `UNION`
   `SELECT Count(numMatch) FROM Match`
   `WHERE (nombreButLocaux = nombreButVisiteurs)`
   `        and (codeEquipeLocaux=112 OR codeEquipeVisiteurs=112)) MyTable`

5- `CREATE PROC Q5 @nbrjour int`
   `AS`
   `BEGIN`
   `       SELECT codeEquipeLocaux AS 'Code Equipe' FROM Match`
   `       WHERE nombreButLocaux > nombreButVisiteurs AND numJournee = @nbrjour`
   `       UNION`
   `       SELECT codeEquipeVisiteurs AS 'Code Equipe' FROM Match`
   `       WHERE nombreButLocaux < nombreButVisiteurs AND numJournee = @nbrjour`
   `END`

```sql
6- CREATE TRIGGER question6 ON Match2 AFTER INSERT
   AS
   DECLARE @loc int , @vis int
   SELECT @loc= codeEquipeLocaux, @vis= codeEquipeVisiteurs FROM Inserted
   IF (@loc=@vis)
        BEGIN
            RAISERROR ('ATTENTION: codeEquipeLocaux == codeEquipeVisiteurs :p',
            16, 1);
            Rollback
        END
```

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1 & 2) java:

```java
public class Camera {

    protected int code;
    protected String type;
    protected int orientation;

    public Camera() {
        super();
    }
    public Camera(int code, String type) {
        super();
        this.code = code;
        this.type = type;
    }

    public int getCode() {
        return code;
    }

    public void setCode(int code) {
        this.code = code;
    }

    public String getType() {
        return type;
    }

    public void setType(String type) {
        this.type = type;
```

```java
    }

    public int getOrientation() {
        return orientation;
    }

    public void setOrientation(int orientation) {
        this.orientation = orientation;
    }

    public void tourner(int sens) {
        this.orientation = sens;
    }

    public void afficher() {
        System.out.println("-Code: " + this.code + " Orientation:"
                + this.orientation);
    }

}
```

3, 4 & 5) java:

```java
public class CameraMobile extends Camera {
    private int abs;
    private int ord;

    public CameraMobile(String type, int code, int abs, int ord) {
        super(code, type);
        this.abs = abs;
        this.ord = ord;
    }

    public CameraMobile() {
```

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```java
public int getAbs() {
    return abs;
}

public void setAbs(int abs) {
    this.abs = abs;
}

public int getOrd() {
    return ord;
}

public void setOrd(int ord) {
    this.ord = ord;
}

public void avancer(int d) {
    switch (this.orientation) {
    case 1:
        this.ord += d;break;
    case 2:
        this.abs += d;break;
    case 3:
        this.ord -= d;break;
    case 4:
        this.abs -= d;break;
    }
}

public void afficherPosition() {
    System.out.println("-position: abs=" + this.abs + " ord=" + this.ord);
}
```

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```java
    public void afficher() {
        super.afficher();
        this.afficherPosition();
    }

}

6) Java:
public class classTest {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        CameraMobile cm1 = new CameraMobile("SUMSUNG", 213, 0, 0);
        cm1.afficher();
        // a
        cm1.setOrientation(2);
        cm1.afficher();
        // b
        cm1.setOrientation(4);
        cm1.avancer(10);
        cm1.afficher();
        // c
        cm1.setOrientation(1);
        cm1.avancer(16);
        cm1.afficher();
        // d
        cm1.setOrientation(2);
        cm1.avancer(5);
        cm1.afficher();
        // e
        cm1.setOrientation(3);
        cm1.avancer(12);
        cm1.afficher();
```

DOSSIER 4 :

Exercice 1 : (2 pts)

```html
<html>
<head>
</head>
<body>
<!-- Q1 -->
<h1>Pour s'inscrire, remplir le formulaire suivant:</h1>
<form name="frm">
<table border="0" cellpadding="0" cellspacing="4">
<tr>
 <td align="right">Nom:</td>
 <td><input name="nom" type="text" size="50"></td>
</tr>
<tr>
 <td align="right">Prénom:</td>
 <td><input name="prenom" type="text" size="50"></td>
</tr><tr>
 <td align="right">Date de naissance:</td>
 <td><input name="day" type="text" value="jj" size="5" maxlength="2">
 <input name="month" type="text" value="mm" size="5" maxlength="2">
 <input name="year" type="text" value="aaaa" size="25" maxlength="4"></td>
</tr>
<tr>
 <td align="right">Mot de passe:</td>
 <td><input name="pass" type="password" size="50"></td>
</tr>
<tr>
 <td align="right">Confirmer mot de passe:</td>
 <td><input name="passC" type="password" size="50"></td>
</tr>
```

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```html
<tr align="center">
  <td colspan="2">
  <input type="checkbox" id="condition" onClick="checkBox();"/><label
for="condition" >J'accepte les conditions</label>
  </td>
</tr>
<tr align="right">
<td colspan="2" >
  <input type="submit" value=" Valider " onClick="return validateForm();" id="valider"
disabled />
  <input type="reset" value=" Annuler" />
</td>
 </tr>
</table>
</form>
<!-- Q2 -->
<script language="javascript"
 type="text/javascript">
function validateForm()
{
//a
if(""==document.forms.frm.nom.value) return false;
if(""==document.forms.frm.prenom.value) return false;
if(""==document.forms.frm.day.value) return false;
if(""==document.forms.frm.month.value) return false;
if(""==document.forms.frm.year.value) return false;
if(""==document.forms.frm.pass.value) return false;
if(""==document.forms.frm.passC.value) return false;
//b
var year = document.forms.frm.year.value;
if(isNaN(year) || year < 1900) return false;
 var month= document.forms.frm.month.value;
if(isNaN(month) || month <1 || month>12) return false;
var day = document.forms.frm.day.value;
if(isNaN(day) || day <1 || day>31) return false;
```

```javascript
//c
var pass = document.forms.frm.pass.value;
var passc = document.forms.frm.passC.value;
if(pass !== passc) return false;
return true;
}
//d
function checkBox()
{
document.getElementById('valider').disabled =
!document.getElementById('condition').checked;
}

//Q3
setTimeout(window.close,20000);
</script>
</body>
</html>
```