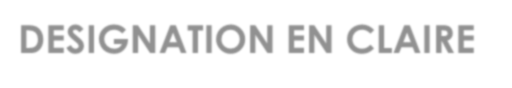
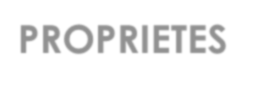
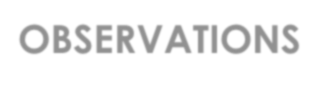
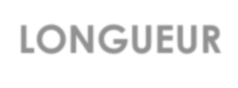
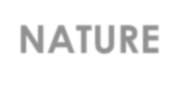
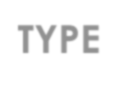


GESTION DE SCOLARITE

CONCEPTION DE LA BASE DE DONNE D’UNE APPLICATION DE GESTION DE LA SCOLARITE D’UNE ECOLE

CREATION DU DICTIONNAIRE DE DONNES



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| **PROPRIETES** | **DESIGNATION EN CLAIRE** | **TYPE** | **NATURE** | **LONGUEUR** | **OBSERVATIONS** |
| Matricule | Numero matricule de etudiant | N | E | 11 | - |
| Nom | Nom de etudiant | C | E | 255 | - |
| Prenom | Prenom de etudiant | C | E | 255 | - |
| Sexe | Sexe de etudiant | C | E | 255 | - |
| Numins | Numero d’inscription de etudiant | N | E | 11 | - |
| Dateins | Date d’inscription de etudiant | D | E | - | - |
| Annee | Annee Scolaire pour laquelle etudiant  s’inscrit | D | E | - | - |
| CodeFil | Code de la filiere | C | E | 255 | - |
| LibFil | Libelle de la filiere | C | E | 255 | - |



DICTIONNAIRE DE DONNES SUITE

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| --- | --- | --- | --- | --- | --- |
| **PROPRIETES** | **DESIGNATION EN CLAIRE** | **TYPE** | **NATURE** | **LONGUEUR** | **OBSERVATIONS** |
| Cout | Cout de la filiere | N | E | 11 | - |
| CodMat | Code de la matiere | C | E | 255 | - |
| Libmat | Libelle de la matiere | C | E | 255 | - |
| Coef | Coefficient d’une matiere dans une filiere | N | E | 11 | - |
| Datecomp | Date de composition d’un etudiant dans une  matiere | D | E | - | - |
| Notecomp | Note d’un étudiant dans une matière â une date de  composition | N | E | 11 | - |
| Datreg | Date de reglement d’une echeance | D | E | - | - |
| Montreg | Montant regie pour une echeance | N | E | 11 | - |
| Numech | Numero d’une echeance | N | E | 11 | - |
| Montech | Montant d’une échéance | N | E | 11 | - |



COUVERTURE MINIMALE

**Numins** Matricule,Dateins, Anne,CodefiL,LibFil,Cout

**Matricule** Nom,Prenoms,Sexe

**CodMat** Libmat

**Numins,Numech** Dateech,Montech

**Codfil,Codmat,** Coef

**Numins,Datreg,Numech** Montreg

**Numins,codmat,Datecomp** Note

**Codefil** Libfil,Cout



PRESENTATION DE LA RELATION

**R**(Matricule,Nom,Prenoms,Sexe,Numins,Dateins,Annee,Codefil,LibFil,Cout

,CodMat,LibMat,Coef,Datecomp,Notecomp,Datreg,Numech,Montech,

Datech)

ELECTION DE LA CLE PRIMAIRE

# ATRIBUTS CANDITATS

Matricule,Numins,Codefil,CodMat,Datecomp,Datreg,Numech

# CLE PRIMAIRE

Numins,CodMat,Datecomp,Datreg,Numech

LA NORMALISATION



* 1ère FORME NORMALE

SCOLARITE(**Numins,CodMat,Datecomp,Datreg,Numech**, Matricule,Nom,Prenoms,Sexe,Dateins,Annee,Codefil,

LibFil,Cout,LibMat,Coef,Notecomp,Montech,Datech,

Montreg)



2ème FORME NORMALE

INSCRIPTION(**Numins,**#Matricule,Nom,Prenoms,Sexe,Dateins,

Anne,#CodefiL,LibFil,Cout)

REGLEMENT(#**Numins,Datreg,#Numech**,Montreg)

MATIERE(**CodMat,**Libmat) ECHEANCE(**#Numins,Numech,**Dateech,Montech) COMPOSITION(**#Numins,#codmat,Datecomp,**Note) COEFFICIENT(**#Codfil,#Codmat,**Coef)

* 3ème FORME NORMALE



INSCRIPTION(**Numins,**#Matricule,Dateins,Anne,#CodefiL)

ETUDIANT(**Matricule,**Nom,Prenoms,Sexe) FILLIERE( **Codefil**,Libfil,Cout)

REGLEMENT(#**Numins,Datreg,#Numech**,Montreg)

MATIERE(**CodMat,**Libmat)

ECHEANCE(**#Numins,Numech,**Dateech,Montech)

COMPOSITION(**#Numins,#codmat,Datecomp,**Note)

COEFFICIENT(**#Codfil,#Codmat,**Coef)

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| **ETUDIANT** |
| **Matricule** Nom Prenoms Sexe |

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| **Échéance** |
| **Numech** Dateech Montech |

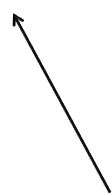
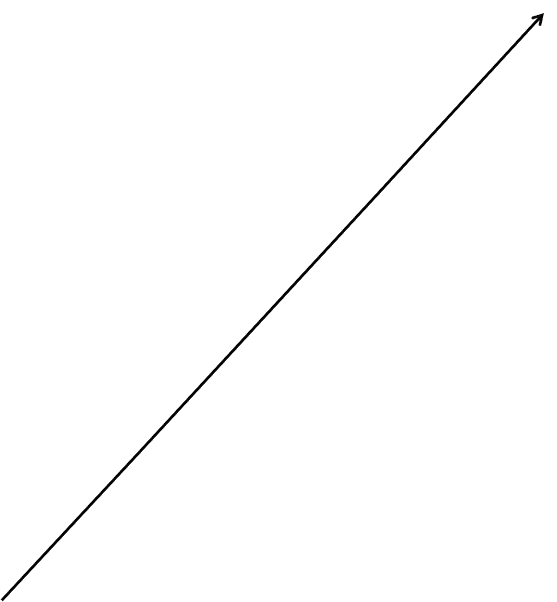
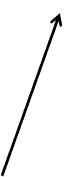
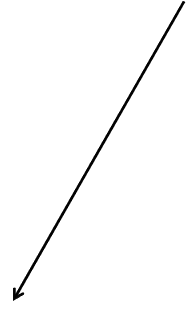
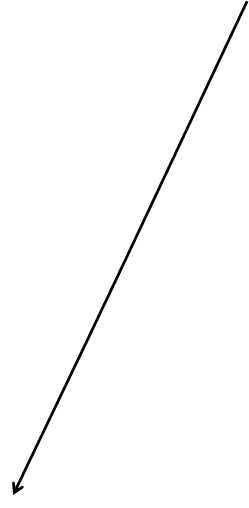
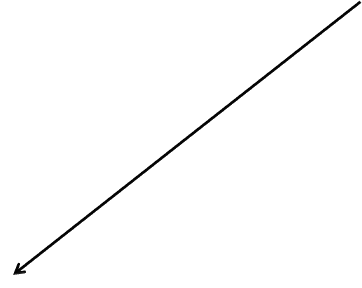
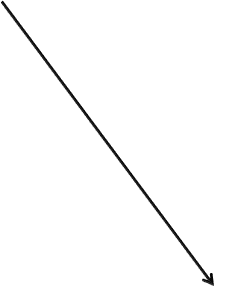
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| **INSCRIPTION** |
| **Numins** Dateins Anne, |

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**CIF**

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| **FILIERE** |
| **Codefil** Libfil Cout |

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**Datreg**

**Reglement**

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| **Compo** |
| **Datecomp**, |

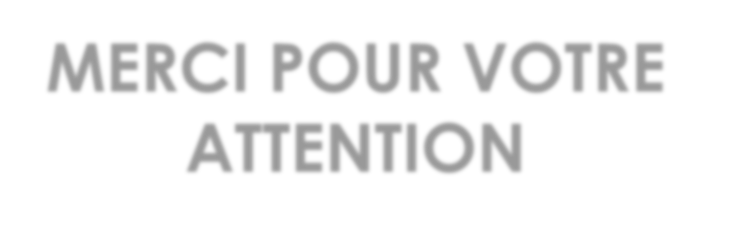
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| **MATIERE** |
| **CodMat**  Libmat |

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1 N **Coefficient**

, **Coef**

N



**MERCI POUR VOTRE ATTENTION**