

Perscido

Modélisation unifiée en Rdf pour le liage entre jeux de données, métadonnées et leurs formulaires d'acquisition

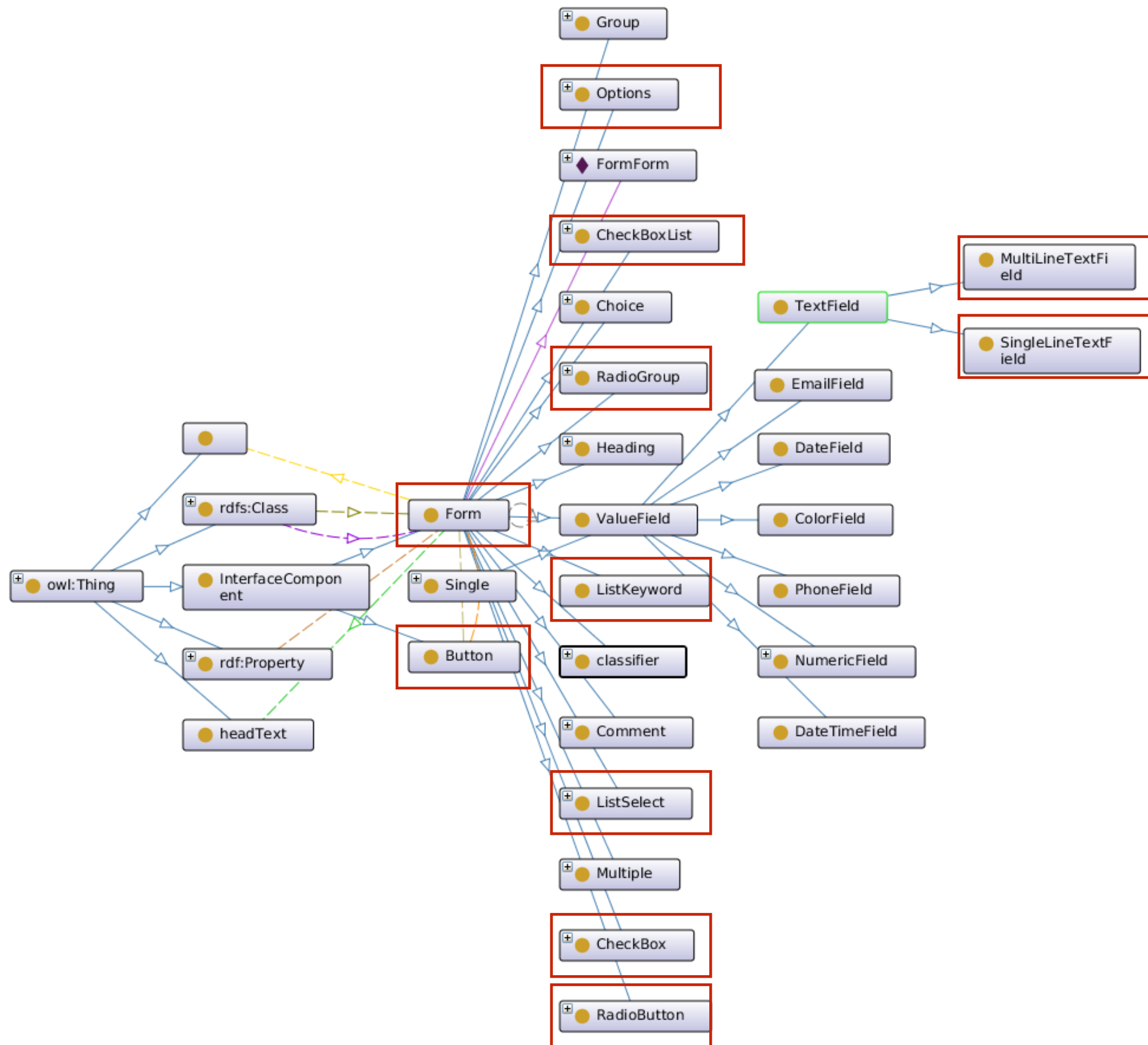
Sommaire

- Présentation du modèle
- Présentation du prototype
- Réalisations futures

Composition du modèle

4 Parties :

- Ontologie actuelle de Perscido
- Ontologie de modélisation d'interface graphique
- Instances des formulaires
- Liaison entre les données et les instances



Instance de formulaire

Exemple : le formulaire General Information

1.General Information

2.Content Description

3.Datatype Content

4.Data Access

Please describe your dataset in as much detail as possible. A detailed description will make it easier for others to find your dataset in PerSCiDO.
Fields marked with an asterisk(*) are required. For more information on expected content for a field, mouse over the? icon.

Depositor:

Thomas Lerchundi

lerchunt

Depositor's identifier (if any)

your Orcid id

your ArXiv id

Your Hal id

Institution/Laboratory: *

Access right: *

☐ Restricted ☐ Open

Permission to upload your dataset(Open: everyone, Restricted: after your permission)

License:

Choice your license

The choice of your license is under your responsibility

Next

Instance des champs

```
129 ##### FORM General informations
130
131 :FormGI3 a :Form;
132   :isInWorkflowStep :GeneralInformations;
133   :orderInWorkflowStep 4;
134 .
135
136
137 :DepositorField a :SingleLineTextField;
138   :fieldLabel "Depositor";
139   :fieldPlaceholder "";
140   :fieldId "first_name_firstname";
141   :fieldName "first_name[firstname]";
142   :maxLength 255;
143   :disable true;
144   :htmlClass "";
145   :part :FormGI3;
146   :order 1;
147 .
148 :PseudoField a :SingleLineTextField;
149   :part :FormGI3;
150   :fieldPlaceholder "";
151   :fieldLabel "Pseudo";
152   :fieldId "last_name_lastname";
153   :fieldName "last_name[lastname]";
154   :maxLength 255;
155   :disable true;
156   :htmlClass "";
157   :order 2;
158 .
159
160 :OrcidIdField a :SingleLineTextField;
161   :fieldLabel "Orcid Id";
162   :fieldId "contributor_has_orcid_orcid";
163   :fieldName "contributor_has_orcid[orcid]";
164   :maxLength 100;
165   :fieldPlaceholder "your Orcid id";
166   :htmlClass "orcid";
167   :part :FormGI3;
168   :order 3;
169 .
170 :ArxivIdField a :SingleLineTextField;
171   :fieldLabel "Arxiv Id";
172   :fieldId "contributor_has_arxiv_arxiv";
173   :fieldName "contributor_has_arxiv[arxiv]";
174   :maxLength 100;
175   :fieldPlaceholder "your ArXiv id";
176   :htmlClass "arxiv";
177   :part :FormGI3;
178   :order 4;
179
```

Instance de RadioButton

```
204      :AccessRightRG a :RadioGroup;
205          :radioGroupLabel "Access Right *";
206          :radioGroupName "user_data_set[AccessRight]";
207          :part :FormGI3;
208          :helpMessage "";
209          :order 7;
210
211      .
212
213      :Restricted a :RadioButton;
214          :radioButtonLabel "Restricted";
215          :radioButtonValue "http://example.org/perscido#Restricted";
216          :radioIsIn :AccessRightRG;
217          :required true;
218
219      .
220      :Open a :RadioButton;
221          :radioButtonId "user_data_set_questionDoi_0";
222          :radioButtonChecked true;
223          :radioButtonLabel "Open";
224          :radioButtonValue "http://example.org/perscido#Open";
225          :radioIsIn :AccessRightRG;
226          :required true;
227
228      .
```

Instance de Liste de sélection

```
:LicenceSelect a :ListSelect;
    :part :FormGI3;
    :listSelectLabel "Licence :";
    :ListSelectId "haslicense_licenseid";
    :ListSelectName "haslicense[licenseid]";
    :listSelectOptionDefault :LicenceFieldPlaceholder;
    :order 8;

:
:
:LicenceFieldPlaceholder a :ListSelectOption;
    :disabled true;
    :listSelectOptionValue "place_holder_licence";
    :listSelectOptionLabel "Chose your license";
    :selectListOptionIsIn :LicenceSelect;

:
:LicenceOptionByncsa a :ListSelectOption;
    :ListSelectOptionValue "by-nc-sa";
    :ListSelectOptionLabel "http://creativecommons.org/licences/by-nc-sa";
    :selectListOptionIsIn :LicenceSelect;

:
:LicenceOptionBynd a :ListSelectOption;
    :ListSelectOptionValue "by-nd";
    :ListSelectOptionLabel "http://creativecommons.org/licences/by-nd";
    :selectListOptionIsIn :LicenceSelect;

:
:LicenceOptionBysa a :ListSelectOption;
    :ListSelectOptionValue "by-sa";
    :ListSelectOptionLabel "http://creativecommons.org/licences/by-sa";
    :selectListOptionIsIn :LicenceSelect;

:
:LicenceOptionBy a :ListSelectOption;
    :ListSelectOptionValue "by";
    :ListSelectOptionLabel "http://creativecommons.org/licences/by";
    :selectListOptionIsIn :LicenceSelect;

:
:LicenceOptionBync a :ListSelectOption;
    :ListSelectOptionValue "by-nc";
    :ListSelectOptionLabel "http://creativecommons.org/licences/by-nc";
    :selectListOptionIsIn :LicenceSelect;

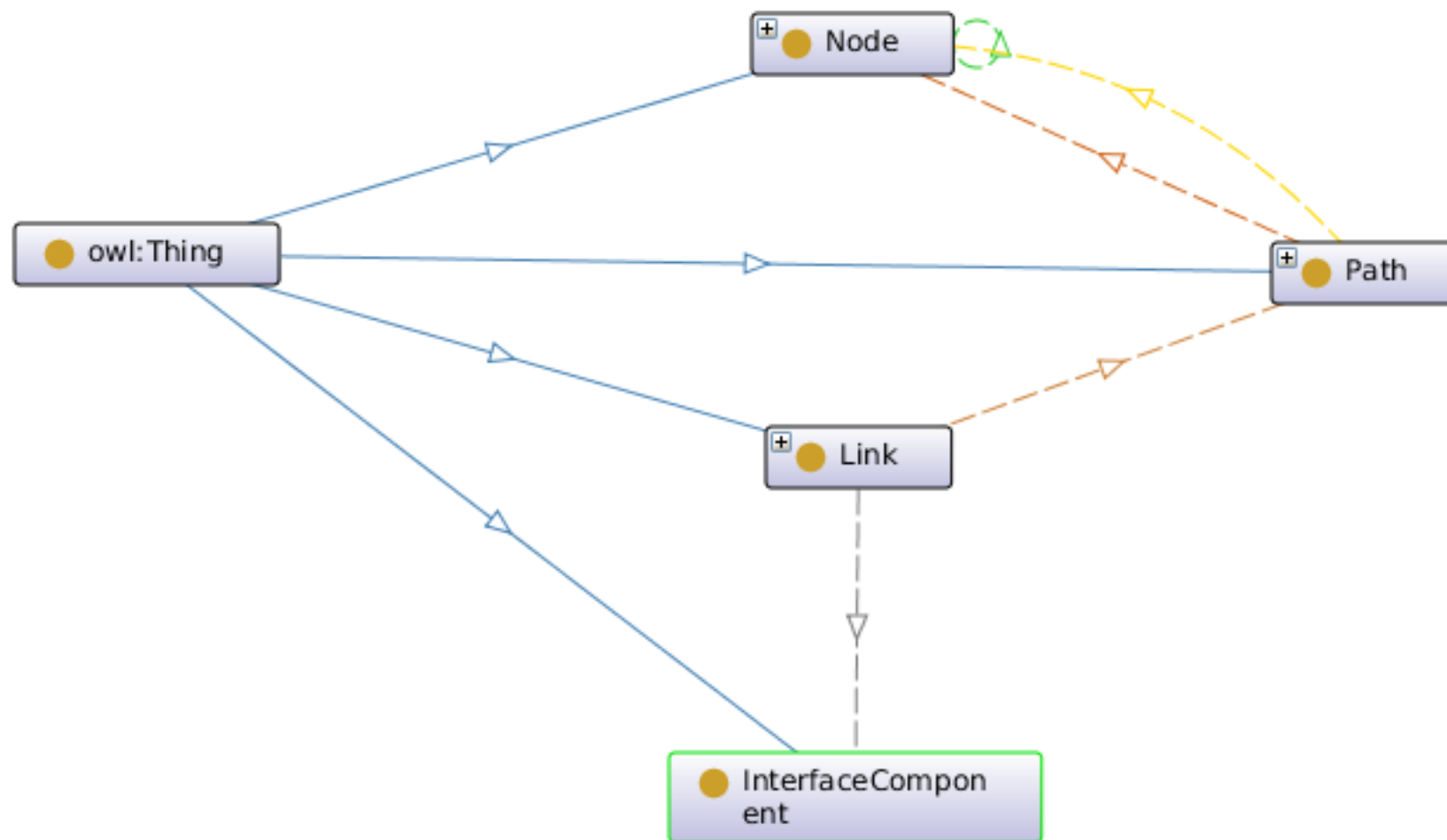
:
```


Liaison entre données et formulaire

But :être capable de construire une requête qui récupère une propriété d'un Dataset, afin de l'affecter à un élément du formulaire.

- Il faut modéliser les chemins qui permettent de retrouver ces données à partir d'un Dataset
- Lier ces chemins avec l'élément du formulaire

Liens entre données et formulaires



Exemple d'application

```
:DS32 a
  dcterms:contributor      fabio:Dataset
  dcterms:description      :user14 ;
  dcterms:subject          "DM-Authors dataset contains information about
  dcterms:title            radar:Computer_Science , :SA_SOCIAL_WEB ;
  :AccessRight             "DM Authors" ;
  :Corresponding_tasks     :Restricted ;
  :Doi_publication         :CT_Clustering , :CT_Pattern_Extraction , :
  :HasData_format          <doi:10.1145/2806416.2806519> ;
  :HasKeywords             :DF_csv ;
  :Has_Citation            :KW_USER_DATA , :KW_DATA_MANAGEMENT , :KW_US
  :Has_Logo_Url            "@inproceedings{omidvar2015 interactive, ti
  :Has_ReadMeFile_Url      <http://localhost:8888/perscido/web/dataset/
  :Has_ZipFile_Url         <http://localhost:8888/perscido/web/dataset/
  :URL_publication         <http://localhost:8888/perscido/web/dataset/
  :hasDataType             <http://dl.acm.org/citation.cfm?id=2806519>
  :hasHalPerson            :Donnees_Web ;
  :hasInstitution          <hal:omidvarb> ;
  :hasOrcidId              :IN_LIG ;
  :hasState                <orcid:org/0000-0001-9103-0114> ;
  :has_max_size            :validated ;
  :has_min_size            500 ;
  :lastStageDepot          100 ;
  :questionDoi             :f4 ;
  :startDepositDate        true ;
  :validatedDate           "2016-10-08T17:42:05+01:00"^^xsd:dateTime ;
  :validatedDate           "2016-10-26T17:42:05+01:00"^^xsd:dateTime ;
```

```
:user14 a
  :hasAccount              foaf:Person ;
  foaf:firstName           true ;
  foaf:lastName            "Behrooz OMIDVAR" ;
  foaf:mbox                "behrooz" ;
  foaf:mbox                <mailto:behrooz.omidvar@gmail.com> .
```

```
:DepositorField a :SingleLineTextField;
  :fieldLabel "Depositor";
  :fieldPlaceholder "";
  :fieldId "first_name_firstname";
  :fieldName "first_name[firstname]";
  :maxLength 255;
  :disable true;
  :htmlClass "";
  :part :FormGI3;
  :order 1;
```

```
:linkDepositor a :Link;
  :propertyLinked foaf:firstName;
  :accessedBy :pathContributor;
  :interfaceComponentLinked :DepositorField;
```

```
:pathContributor a :Path;
  :firstNode :contributorNode;
  :lastNode :contributorNode;
```

```
:contributorNode a :Node;
  :nodeValue dcterms:contributor;
  # éventuellement un noeud Suivant
```

Démo

Reste à faire

- Lectures sur des éléments plus complexe (CheckBox)
- Ecritures des données (soumission d'un formulaire)
- Génération de composants plus complexe (Mots clés , Liste ouverte de checkbox, éléments dynamiques)
- Gérer les enchainements des formulaires entre eux
- Améliorer la mise en forme
- Documentation
- Contrôle des entrées des champs