

# DAOS

---

# Entité : UE

---

```
@Entity
@Data @NoArgsConstructor @AllArgsConstructor
public class UE {
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private Long id;
    private String libelle;
    private String code;
    private int credit;
    private int coefficient;
    private String description;
    private Date dateCreation;
    @ManyToOne
    private Utilisateur utilisateur;
    @OneToMany(mappedBy = "ue")
    private Collection<EC> ecs;
    @OneToMany(mappedBy = "ue")
    private Collection<Module> modules;
}
```

# Repository : UE

---

```
@Repository
public interface UERepository extends JpaRepository<UE, Long> {

    1 usage
    @Query("SELECT e FROM EC e WHERE e.ue = ?1")
    List<EC> findByUE(UE ue);
}
```

# Service : UE

```
@Service
@Transactional
public class UEService {
    7 usages
    @Autowired
    private UERepository ueRepository;

    6 usages
    public void ajouterUE(UE ue) { ueRepository.save(ue); }

    1 usage
    public List<UE> afficherToutUE() { return ueRepository.findAll(); }

    1 usage
    public UE afficherUE(Long id) { return ueRepository.getById(id); }
```

```
1 usage
public void modifierUE(UE ue){
    UE ueUpdate=ueRepository.getById(ue.getId());
    ueUpdate.setCode(ue.getCode());
    ueUpdate.setLibelle(ue.getLibelle());
    ueUpdate.setCredit(ue.getCredit());
    ueUpdate.setCoefficient(ue.getCoefficient());
    ueUpdate.setDescription(ue.getDescription());
    ueRepository.save(ueUpdate);
}

1 usage
public void supprimerUE(UE ue) { ueRepository.delete(ue); }

1 usage
public List<EC> afficherLesEC(UE ue){
    return ueRepository.findByUE(ue);
}
}
```

# Controller : UE

```
@Controller
@AllArgsConstructor
public class ueController {

    6 usages
    @Autowired
    private UEService ueService;

    @RequestMapping(value = "/ue", method = RequestMethod.GET)
    public String lister_ue(Model model){
        List<UE> ueList=ueService.afficherToutUE();
        model.addAttribute( attributeName: "listeDesUE",ueList);
        return "ue";
    }

    @RequestMapping(value = "/ajouter_ue", method = RequestMethod.POST)
    public String ajouter_ue(Model model,UE ue){
        ueService.ajouterUE(ue);
        return "redirect:/ue";
    }
}
```

```
@RequestMapping(value = "/modifier_ue", method = RequestMethod.POST)
public String modifier_ue(Model model,UE ue){
    ueService.modifierUE(ue);
    return "redirect:/ue";
}

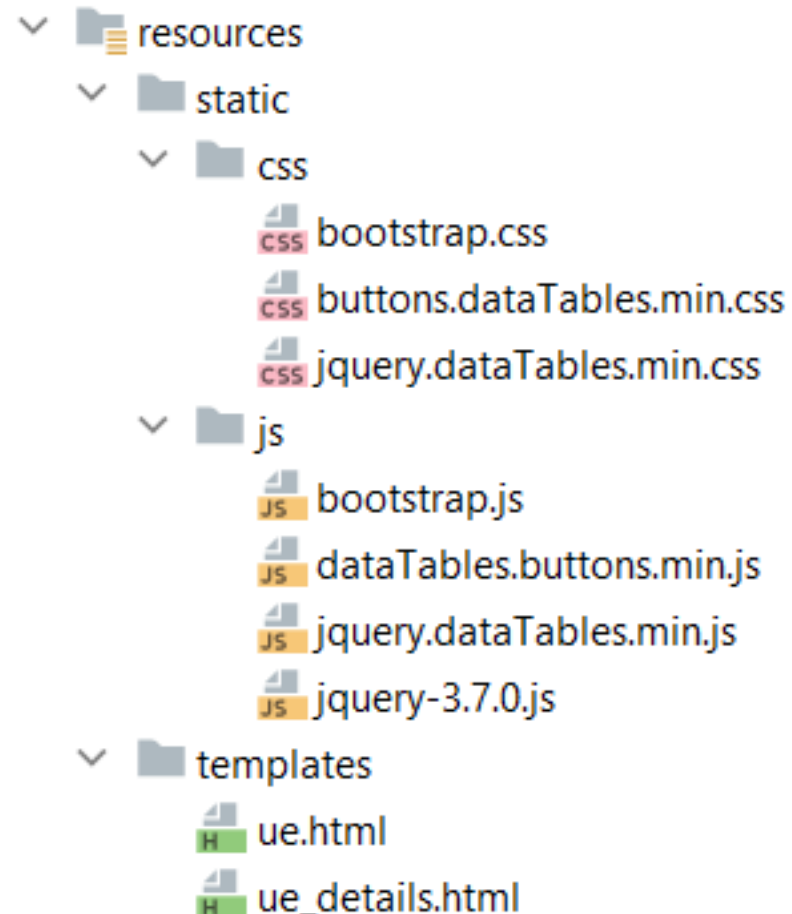
@RequestMapping(value = "/supprimer_ue", method = RequestMethod.POST)
public String supprimer_ue(Model model,UE ue){
    ueService.supprimerUE(ue);
    return "redirect:/ue";
}

@RequestMapping(value = "/details_ue", method = RequestMethod.GET)
public String details_ue(Model model, @RequestParam("id") Long id){
    UE ue=ueService.afficherUE(id);
    List<EC> ecList=ueService.afficherLesEC(ue);
    model.addAttribute( attributeName: "ue",ue);
    model.addAttribute( attributeName: "listeDesEC",ecList);
    return "ue_details";
}
```

}

# Vue : ue.html et ue\_details.html

---



# Vue : ue.html (head)

---

```
<html lang="en" xmlns:th="http://www.thymleaf.org">
<head>
  <meta charset="UTF-8">
  <link rel="stylesheet" href="../../static/css/bootstrap.css" th:href="@{/css/bootstrap.css}"/>
  <link rel="stylesheet" href="../../static/css/buttons.dataTables.min.css" th:href="@{/css/buttons.dataTables.min.css}"/>
  <link rel="stylesheet" href="../../static/css/jquery.dataTables.min.css" th:href="@{/css/jquery.dataTables.min.css}"/>

  <script src="../../static/js/jquery-3.7.0.js" th:src="@{/js/jquery-3.7.0.js}"></script>
  <script src="../../static/js/bootstrap.js" th:src="@{/js/bootstrap.js}"></script>
  <script src="../../static/js/dataTables.buttons.min.js" th:src="@{/js/dataTables.buttons.min.js}"></script>
  <script src="../../static/js/jquery.dataTables.min.js" th:src="@{/js/jquery.dataTables.min.js}"></script>

  <title>UE</title>
</head>
```

# Vue : ue.html – Ajouter UE

Showing 1 to 5 of 5 entries

Show  entries

Code	Libelle
INF351	Reseaux et Telecoms
INF352	Genie Logiciel 1
INF353	Technologies embarques
INF354	Gestions de donnees str
INF355	Humanites et Entreprise

Search:

	Details
<a href="#">Supprimer</a>	<a href="#">Voir</a>
<a href="#">Supprimer</a>	<a href="#">Voir</a>
<a href="#">Supprimer</a>	<a href="#">Voir</a>
<a href="#">Supprimer</a>	<a href="#">Voir</a>
<a href="#">Supprimer</a>	<a href="#">Voir</a>

Showing 1 to 5 of 5 entries

Previous  Next Last

### Ajouter un UE

**Code**

**Libelle**

**Credits**

**Coefficient**

[Ajouter](#) [Annuler](#)



```

<div class="row" style="padding-bottom: 10px; padding-top: 10px">
  <div style="text-align: center">
    <button type="button" class="btn btn-success" data-toggle="modal" data-target="#form_Ajouter_UE" >Ajouter UE</button>
  </div>
</div>

<!-- Debut popup ajouter un UE -->
<div data-dismiss="modal" style="...">
  <div class="modal fade" id="form_Ajouter_UE">
    <div class="modal-dialog" >
      <div class="modal-content panel-success" >
        <!--modal Header-->
        <div class="modal-header panel-heading" >
          <button type="button" class="close" data-dismiss="modal">x</button>
          <h4 class="modal-title" style="...">Ajouter un UE</h4>
        </div>
        <!--modal Body-->
        <form th:action="@{ajouter_ue}" method="post">
          <div class="modal-body"...>
            <!--modal Footer-->
            <div class="modal-footer"...>
          </form>
        </div>
      </div>
    </div>
  </div>
</div>

<!-- Fin popup ajouter un UE -->

```

# Vue : ue.html – Lister UE

La liste des UE

Ajouter UE

Show 10 entries

Search:

Code	Libelle	Credits	Coefficient	Operations	Details
INF351	Reseaux et Telecoms	8	4	<a href="#">Modifier</a> <a href="#">Supprimer</a>	<a href="#">Voir</a>
INF352	Genie Logiciel 1	8	4	<a href="#">Modifier</a> <a href="#">Supprimer</a>	<a href="#">Voir</a>
INF353	Technologies embarques et Mobiles (1)	8	4	<a href="#">Modifier</a> <a href="#">Supprimer</a>	<a href="#">Voir</a>
INF354	Gestions de donnees structurees	8	4	<a href="#">Modifier</a> <a href="#">Supprimer</a>	<a href="#">Voir</a>
INF355	Humanites et Entreprise	6	3	<a href="#">Modifier</a> <a href="#">Supprimer</a>	<a href="#">Voir</a>

Showing 1 to 5 of 5 entries

First Previous 1 Next Last

```

<!-- Debut lister tout les UE -->
<div class="table-responsive">
  <table class="table table-bordered table-striped" id="table_UE">
    <thead>
      <tr...>
    </thead>
    <tbody>
      <tr th:each="ue:${listeDesUE}">
        <td th:text="${ue.code}"></td>
        <td th:text="${ue.libelle}"></td>
        <td th:text="${ue.credit}"></td>
        <td th:text="${ue.coefficient}"></td>
        <td>
          <button class="btn btn-info btn-sm" data-title="Edit" data-toggle="modal" th:attr="data-target='#form_Modifier_UE'+${ue.id}" >
            Modifier
          </button>
          <button class="btn btn-danger btn-sm" data-title="Delete" data-toggle="modal" th:attr="data-target='#form_Supprimer_UE'+${ue.id}">
            Supprimer
          </button>
        </td>
        <td>
          <a class="btn btn-primary btn-sm" th:href="@{/details_ue(id=${ue.id})}"> Voir </a>
        </td>

        <!-- Debut popup modifier un UE -->
        <div data-dismiss="modal"...>
        <!-- Fin popup modifier un UE -->

        <!-- Debut popup supprimer un UE -->
        <div data-dismiss="modal"...>
        <!-- Fin popup supprimer un UE -->

      </tr>
    </tbody>
  </table>
</div>
<!-- Fin lister tout les UE -->

```

# Vue : ue.html – DataTable Lister UE

---

```
<!-- Debut Datatable lister UE -->  
  <script>  
    $(document).ready(function() {  
      $("#table_UE").DataTable({  
  
        });  
    })  
  </script>  
<!-- Fin Datatable lister UE -->
```

# Vue : ue.html – Modifier UE

Showing 1 to 5 of 5 entries

Code	Libelle
INF351	Reseaux et Telecoms
INF352	Genie Logiciel 1
INF353	Technologies embarques
INF354	Gestions de donnees str
INF355	Humanites et Entreprise

Showing 1 to 5 of 5 entries

Modifier UE

Code

INF351

Libelle

Reseaux et Telecoms

Credits

8

Coefficient

4

Modifier

Annuler

Search:

	Details
Supprimer	Voir
Supprimer	Voir
Supprimer	Voir
Supprimer	Voir
Supprimer	Voir

Previous 1 Next Last

```

<!-- Debut popup modifier un UE -->
<div data-dismiss="modal">
  <div class="modal fade" th:attr="id='form_Modifier_UE'+${ue.id}" >
    <div class="modal-dialog" >
      <div class="modal-content panel-info" >
        <!--modal Header-->
        <div class="modal-header panel-heading" >
          <button type="button" class="close" data-dismiss="modal">x</button>
          <h4 class="modal-title" style="text-align: center">Modifier UE</h4>
        </div>
        <!--modal Body-->
        <form th:action="@{modifier_ue}" method="post">
          <div class="modal-body" >
            <div style="display: none">
              <input name="id" th:value="${ue.id}" />
            </div>
            <div class="form-group">...</div>
            <div class="form-group">...</div>
            <div class="form-group">...</div>
            <div class="form-group">...</div>
          </div>
          <!--modal Footer-->
          <div class="modal-footer">...</div>
        </form>
      </div>
    </div>
  </div>
</div>
<!-- Fin popup modifier un UE -->

```

# Vue : ue.html – Supprimer UE

Showing 1 to 5 of 5 entries

Show 10 entries

Code	Libelle
INF351	Reseaux et Telecoms
INF352	Genie Logiciel 1
INF353	Technologies embarques
INF354	Gestions de donnees str
INF355	Humanites et Entreprise

Search:

	Details
Supprimer	Voir
Supprimer	Voir
Supprimer	Voir
Supprimer	Voir
Supprimer	Voir

1 Previous Next Last

Supprimer UE

Code

Libelle

Credits

Coefficient

Supprimer

Annuler



```

<!-- Debut popup supprimer un UE -->
<div data-dismiss="modal">
  <div class="modal fade" th:attr="id='form_Supprimer_UE'+${ue.id}">
    <div class="modal-dialog" >
      <div class="modal-content panel-danger" >
        <!--modal Header-->
        <div class="modal-header panel-heading" >
          <button type="button" class="close" data-dismiss="modal">x</button>
          <h4 class="modal-title" style="text-align: center">Supprimer UE</h4>
        </div>
        <!--modal Body-->
        <form th:action="@{supprimer_ue}" method="post">
          <div class="modal-body" >
            <div style="display: none">
              <input name="id" th:value="${ue.id}" />
            </div>
            <div class="form-group">...</div>
            <div class="form-group">...</div>
            <div class="form-group">...</div>
            <div class="form-group">...</div>
          </div>
          <!--modal Footer-->
          <div class="modal-footer">...</div>
        </form>
      </div>
    </div>
  </div>
</div>
<!-- Fin popup supprimer un UE -->

```



# Vue : ue\_details.html – Details UE

la liste des EC de l'UE : INF351 Reseaux et Telecoms

Ajouter EC

Show 10 entries

Search:

Code	Libelle	CM	TD	TP	CM + TD/TP	TPE	VHT	Coefficient	Operations
INF3511	Reseaux sans Fil	24	12	0	36	24	60	3	<a href="#">Modifier</a> <a href="#">Supprimer</a>
INF3512	Base des Telecoms	24	24	12	60	40	100	5	<a href="#">Modifier</a> <a href="#">Supprimer</a>

Showing 1 to 2 of 2 entries

First

Previous

1

Next

Last

# Entité : EC

---

```
@Entity
@Data @NoArgsConstructor @AllArgsConstructor
public class EC {
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private Long id;
    private String libelle;
    private String code;
    private int cm;
    private int td;
    private int tp;
    private int tpe;
    private int coefficient;
    private String description;
    @ManyToOne
    private UE ue;
    @OneToMany(mappedBy = "ec")
    private Collection<Module> modules;
}
```

# Repository : EC

---

```
@Repository  
public interface ECRepository extends JpaRepository<EC, Long> {  
  
}
```

# Service : EC

---

```
@Service
@Transactional
public class EService {

    6 usages
    @Autowired
    private ECRepository ecRepository;

    1 usage
    public void ajouterEC(EC ec) { ecRepository.save(ec); }

    public List<EC> afficherToutEC() { return ecRepository.findAll(); }

    public EC afficherEC(Long id) { return ecRepository.getById(id); }
```

```
public void modifierEC(EC ec){
    EC ecUpdate=ecRepository.getById(ec.getId());
    ecUpdate.setCode(ec.getCode());
    ecUpdate.setLibelle(ec.getLibelle());
    ecUpdate.setCm(ec.getCm());
    ecUpdate.setTd(ec.getTd());
    ecUpdate.setTp(ec.getTp());
    ecUpdate.setTpe(ec.getTpe());
    ecUpdate.setCoefficient(ec.getCoefficient());
    ecUpdate.setDescription(ec.getDescription());
    ecUpdate.setUe(ec.getUe());
    ecRepository.save(ecUpdate);
}

1 usage
public void supprimerEC(EC ec) { ecRepository.delete(ec); }
```

# Controller : EC

---

```
@Controller
@AllArgsConstructor
public class ecController {

    3 usages
    @Autowired
    private ECService ecService;

    @RequestMapping(value = "/ajouter_ec_ue", method = RequestMethod.POST)
    public String ajouter_ec_ue(Model model, EC ec){
        ecService.ajouterEC(ec);
        return "redirect:/details_ue?id="+ec.getUe().getId();
    }
}
```

```
@RequestMapping(value = "/modifier_ec_ue", method = RequestMethod.POST)
public String modifier_ec_ue(Model model, EC ec){
    ecService.modifierEC(ec);
    return "redirect:/details_ue?id="+ec.getUe().getId();
}

@RequestMapping(value = "/supprimer_ec_ue", method = RequestMethod.POST)
public String supprimer_ec_ue(Model model, EC ec){
    Long id=ec.getUe().getId();
    ecService.supprimerEC(ec);
    return "redirect:/details_ue?id="+id;
}
}
```

# Vue : ue\_details.html – Ajouter EC

The screenshot displays a web application interface. In the foreground, a modal window titled "Ajouter un EC" is open, allowing the user to add a new entry. The modal contains the following fields:

- Code**: A text input field.
- Libelle**: A text input field.
- CM**: A dropdown menu.
- TD**: A dropdown menu.
- TP**: A dropdown menu.
- TPE**: A dropdown menu.
- Coefficient**: A dropdown menu.

At the bottom of the modal, there are two buttons: "Ajouter" (green) and "Annuler" (white).

In the background, a table of existing entries is visible. The table has two columns: "Code" and "Libelle". The entries are:

Code	Libelle
INF3511	Reseaux sans Fil
INF3512	Base des Telecoms

Below the table, it says "Showing 1 to 2 of 2 entries". To the right of the table, there is a search bar labeled "Search:" and a set of buttons for "Modifier" and "Supprimer" for each entry. At the bottom right, there are navigation buttons: "Previous", "1", "Next", and "Last".

# Vue : ue\_details.html – Modifier EC

Modifier EC

Code

INF3511

Libelle

Reseaux sans Fil

CM

24

TD

12

TP

0

TPE

24

Coefficient

3

Modifier Annuler

Showing 1 to 2 of 2 entries

Code	Libelle
INF3511	Reseaux sans Fil
INF3512	Base des Telecoms

Search:

Operations
Modifier Supprimer
Modifier Supprimer

Previous 1 Next Last

# Vue : ue\_details.html – Supprimer EC

Show 10 entries

Code	Libelle
INF3511	Reseaux sans Fil
INF3512	Base des Telecoms

Showing 1 to 2 of 2 entries

Supprimer EC

Code

INF3511

Libelle

Reseaux sans Fil

CM

24

TD

12

TP

0

TPE

24

Coefficient

3

Supprimer

Annuler

Search:

Operations

Modifier

Supprimer

Modifier

Supprimer

Previous

1

Next

Last