# DAOS

#### Entité: UE

```
@Entity
@Data @NoArgsConstructor @AllArgsConstructor
public class UE {
   0Id
    @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

```
QRepository
public interface UERepository extends JpaRepository<UE, Long> {
    1 usage
    QQuery("SELECT e FROM EC e WHERE e.ue = ?1")
    List<EC> findByUE(UE ue);
}
```

#### Service: UE

```
@Service
@Transactional
public class UEService {
    6 usages
    @Autowired
    private UERepository ueRepository;
    1 usage
    public List<UE> lister_UE(){
        return ueRepository.findAll();
    1 usage
    public UE rechercher_UE(Long id){
        return ueRepository.findById(id).get();
```

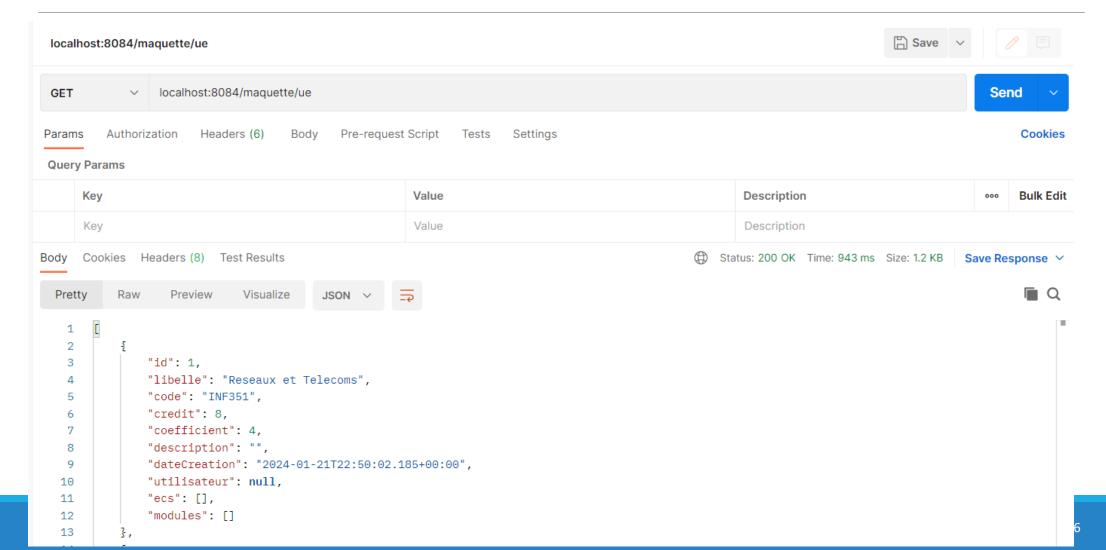
```
1 usage
public UE ajouter_UE(UE ue){
    return ueRepository.save(ue);
1 usage
public UE modifier_UE(UE ue, Long id){
    ue.setId(id);
    return ueRepository.save(ue);
1 usage
public void supprimer_UE(Long id) { ueRepository.deleteById(id); }
public List<EC> lister_EC_UE(UE ue) { return ueRepository.findByUE(ue); }
```

#### RESTController: UE

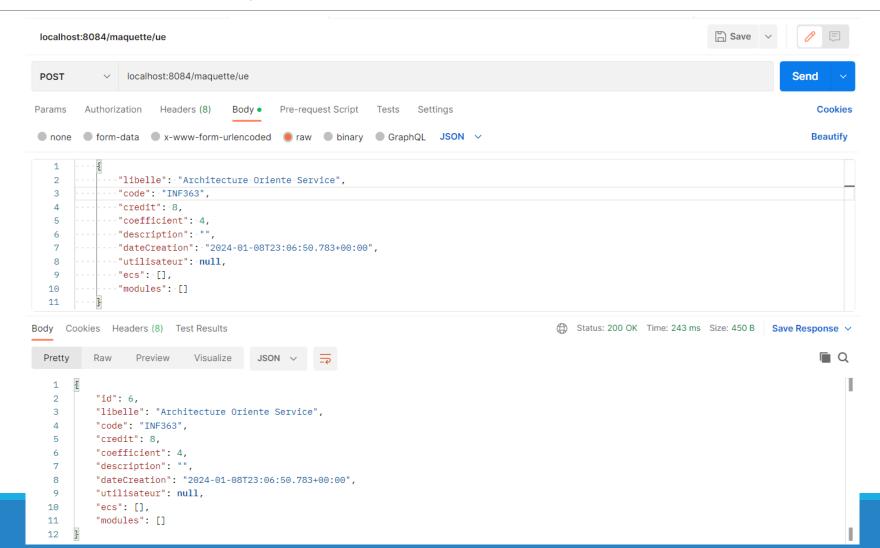
```
@CrossOrigin(origins = "*", allowedHeaders = "*")
@RestController
@RequestMapping("/maquette")
public class ueRestController {
    5 usages
    @Autowired
    private UEService ueService;
    @GetMapping(path = "/ue")
    public List lister_ue(){
        return ueService.lister_UE();
    @GetMapping(path = "/ue/{id}")
    public UE rechercher_ue(@PathVariable Long id){
        return ueService.rechercher_UE(id);
```

```
@PostMapping(path = "/ue")
public UE ajouter_ue(@RequestBody UE ue){
    return ueService.ajouter_UE(ue);
@PutMapping(path = "/ue/{id}")
public UE modifier_ue(@RequestBody UE ue, @PathVariable Long id){
    return ueService.modifier_UE(ue,id);
@DeleteMapping(path = "/ue/{id}")
public void supprimer_ue(@PathVariable Long id){
    ueService.supprimer_UE(id);
```

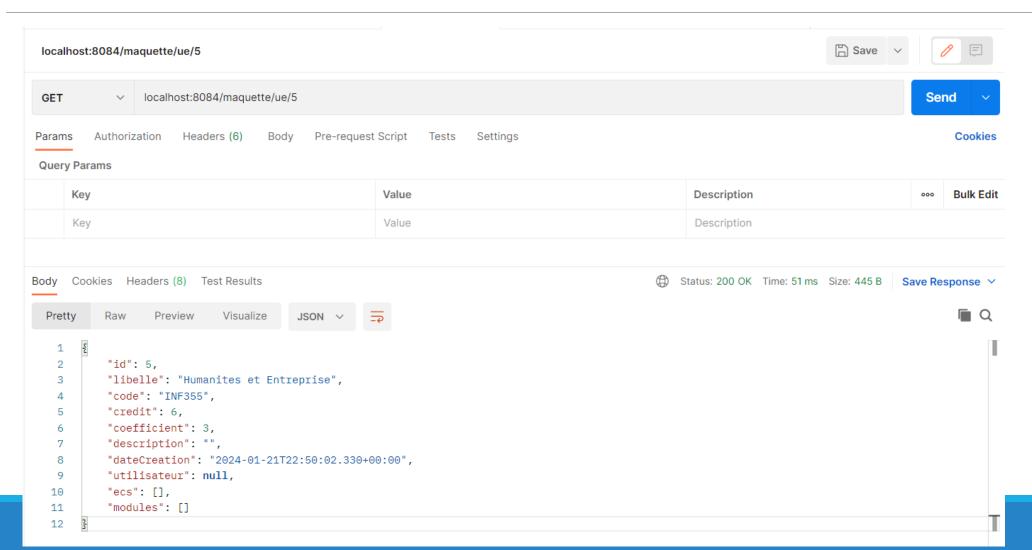
## Postman / Lister tout les UE



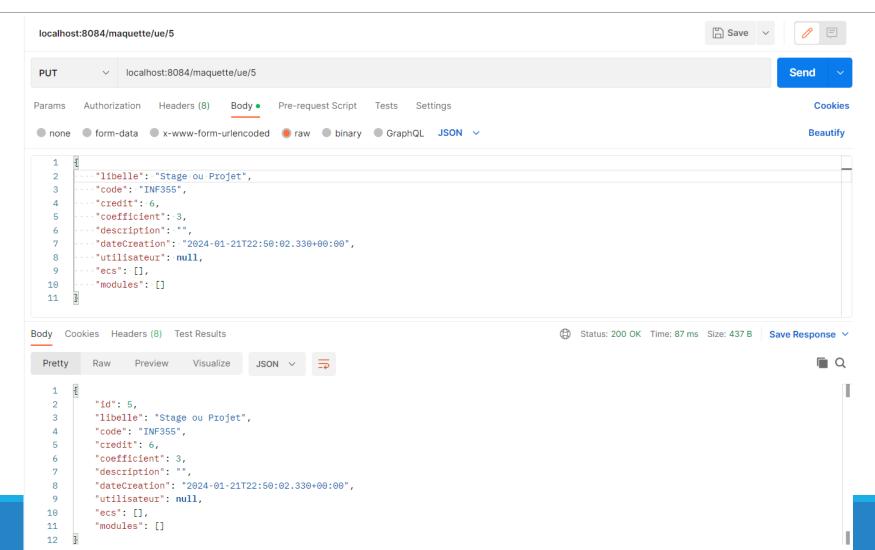
# Postman / Ajouter un UE



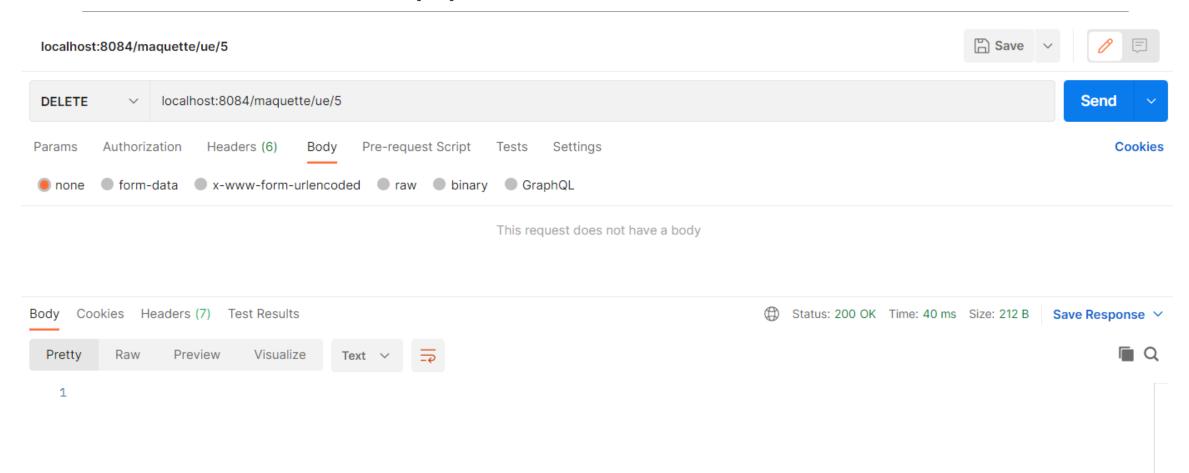
#### Postman / Rechercher un UE



#### Postman / Modifier un UE



#### Postman / Supprimer un UE



#### Frontend: Jquery

```
✓ DAOS_GE_UASZ

✓ CSS

   # bootstrap.css
   # buttons.dataTables.min.css
   # jquery.dataTables.min.css
 ∨ html
   ue.html
 ∨ js
   JS bootstrap.js
   Js dataTables.buttons.min.js
   Js jquery-3.7.0.js
   Js jquery.dataTables.min.js

✓ script

   JS ue.js
```

#### ue.html (head)

```
<head>
    <meta charset="UTF-8">
   <link rel="stylesheet" href="../css/bootstrap.css"/>
    <link rel="stylesheet" href="../css/buttons.dataTables.min.css"/>
    <link rel="stylesheet" href="../css/jquery.dataTables.min.css" />
   <script src="../js/jquery-3.7.0.js"></script>
    <script src="../js/bootstrap.js"></script>
    <script src="../js/dataTables.buttons.min.js"></script>
    <script src="../js/jquery.dataTables.min.js"></script>
    <script src="../script/ue.js"></script>
    <title>Liste des UE</title>
</head>
```

#### Vue: ue.html - Lister UE

Show 10 v entries

La liste des UE

Ajouter UE

Show to ventures				Searcn:	
Code •	Libelle	Credits	Coefficient	Operations	Details \$
INF351	Reseaux et Telecoms	8	4	Modifier Supprimer	Voir
INF352	Genie Logiciel 1	8	4	Modifier Supprimer	Voir
INF353	Technologies embarques et Mobiles (1)	8	4	Modifier Supprimer	Voir
INF354	Gestions de donnees structurees	8	4	Modifier Supprimer	Voir
INF355	Humanites et Entreprise	6	3	Modifier Supprimer	Voir

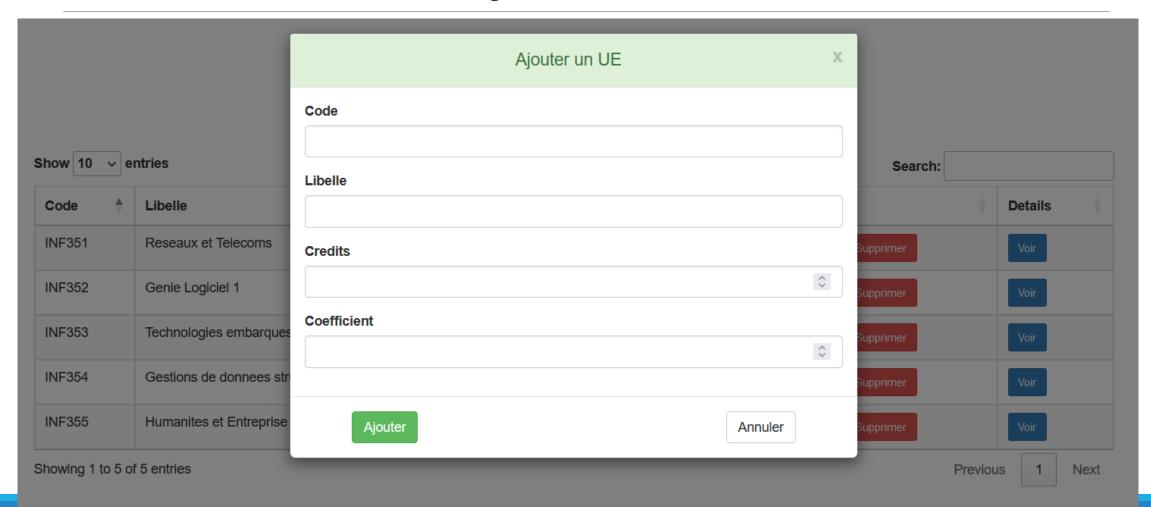
Showing 1 to 5 of 5 entries Previous 1 Next

```
<!-- Debut lister tout les UE -->
  <div class="table-responsive">
    <thead>
        Code
          Libelle
          Credits
          Coefficient
          Operations
          Details
        </thead>
      </div>
<!-- Fin lister tout les UE -->
```

```
$('#table UE').dataTable().fnDestroy();
$.ajax({
   type: "GET",
   url: "http://localhost:8084/maquette/ue",
   dataType: 'json',
   success: function (data) {
       $('#table_UE').dataTable({
            data : data,
            columns : [
                { data : 'code'},
                 data : 'libelle'},
                 data : 'credit' },
                 data : 'coefficient' },
                   data : null,
                   render : function(data, type,full, meta)
                        return "<button class='btn btn-info btn-sm' onclick='modifier UE("+data.id+")' >Modifier</button>"+
                        " <button class='btn btn-danger btn-sm' onclick='supprimer UE("+data.id+")' >Supprimer</button>";
                    },
                    data : null,
                   render : function(data, type,full, meta)
                        return "<a class='btn btn-primary btn-sm' href='details_ue.html'> Voir </a>";
            fnCreatedRow : function( nRow, data, iDataIndex ) {
                $(nRow).attr('id', "ligne"+data.id);
            },
        });
```

});

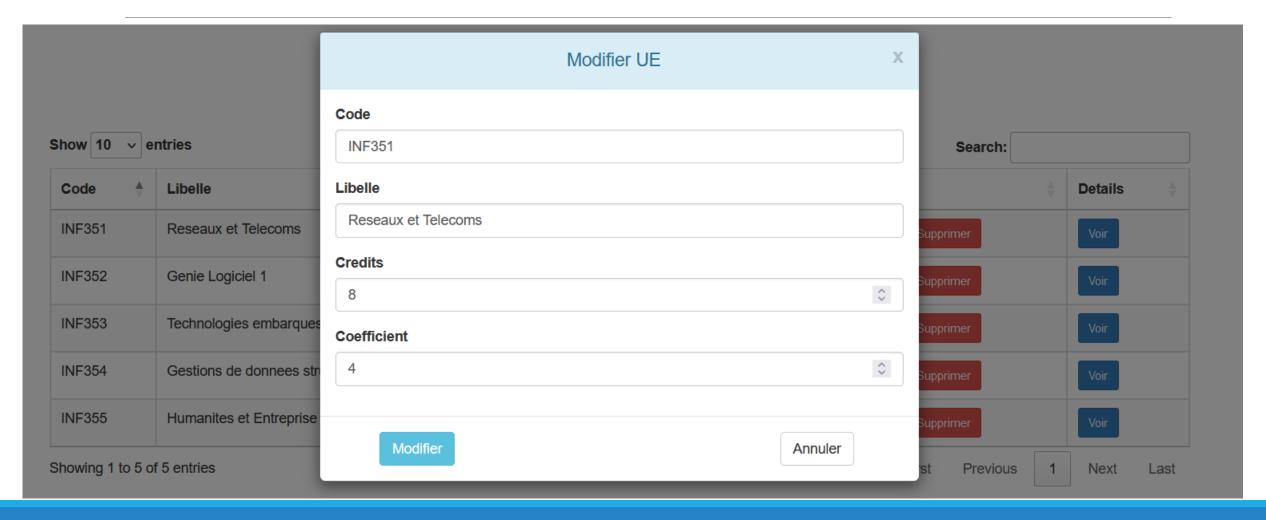
# Vue: ue.html – Ajouter UE



```
<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="margin-top:25px">
        <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="text-align: center">Ajouter un UE</h4>
                    </div>
                    <!--modal Body-->
                    <form method="post">
                        <div class="modal-body" > ···
                        </div>
                        <!--modal Footer-->
                        <div class="modal-footer" >
                            <div class="row">...
                            </div>
                        </div>
                    </form>
                </div>
            </div>
        </div>
    </div>
<!-- Fin popup ajouter un UE -->
```

```
$("#btn Ajouter UE").click( function(){
   code = $('#inpt Ajt UE Code').val();
   libelle = $('#inpt Ajt UE Libelle').val();
   credit = $('#inpt Ajt UE Credit').val();
   coefficient = $('#inpt Ajt_UE_Coefficient').val();
   ue = { code : code , libelle : libelle , credit: credit , coefficient : coefficient };
   $.ajax({
       type: "POST",
       url: "http://localhost:8084/maquette/ue",
       data: JSON.stringify(ue),
       contentType: "application/json",
       success: function (data) {
           var u = data;
           var ligne = ""+
           ""+u.code+""+
           ""+u.libelle+""+
           ""+u.credit+""+
           ""+u.coefficient+""+
           ""+
               "<button class='btn btn-info btn-sm' onclick='modifier UE("+u.id+")' >Modifier</button> "+
               "<button class='btn btn-danger btn-sm' onclick='supprimer UE("+u.id+")' >Supprimer</button>"+
           ""+
           ""+
               "<a class='btn btn-primary btn-sm' href='details ue.html'> Voir </a>"
           ""+
           "";
           $("#table UE").prepend(ligne);
           $('#inpt Ajt UE Code').val("");
           $('#inpt Ajt UE Libelle').val("");
           $('#inpt Ajt UE Credit').val("");
           $('#inpt Ajt UE Coefficient').val("");
           $('#form Ajouter UE').modal('hide');
   });
});
```

#### Vue: ue.html - Modifier UE

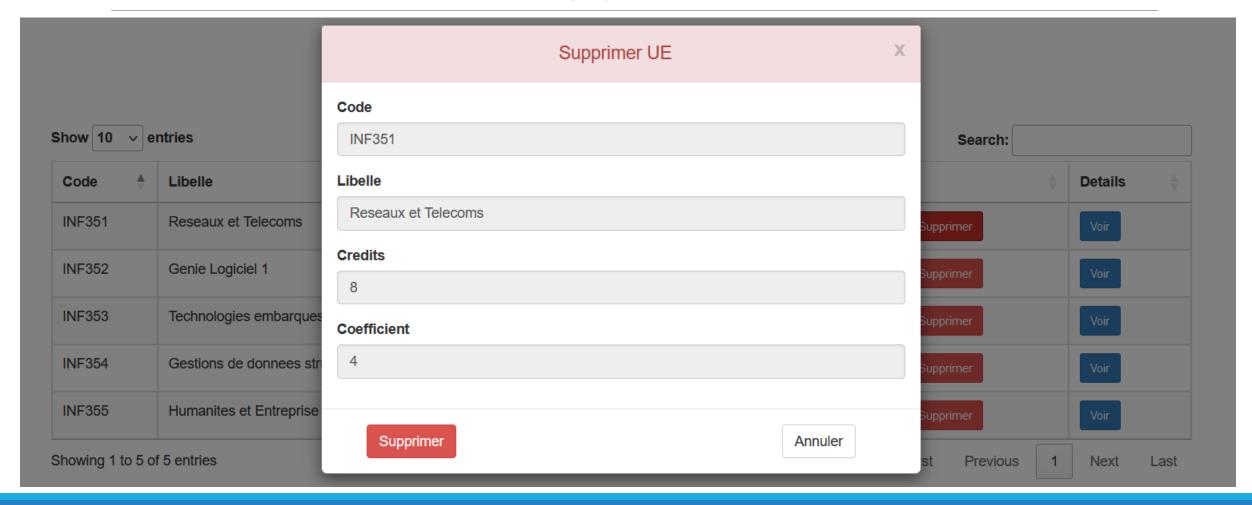


```
<!-- Debut popup modifier un UE -->
    <div data-dismiss="modal">
        <div class="modal fade" id="form Modifier UE">
            <div class="modal-dialog" >
                <div class="modal-content panel-info" >
                    <!--modal Header-->
                    <div class="modal-header 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>
                        <div class="modal-body" >
                            <div style="display: none">
                                <input name="id" id="inpt Mdf 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 -->
```

```
$(function(){
    modifier UE= function (id) {
        $('#inpt Mdf UE Id').val("");
        $('#inpt Mdf UE Code').val("");
        $('#inpt Mdf UE Libelle').val("");
        $('#inpt Mdf UE Credit').val("");
        $('#inpt Mdf UE Coefficient').val("");
        $.ajax({
            type: "GET",
            url: "http://localhost:8084/maquette/ue/"+id,
            dataType: 'json',
            success: function (data) {
                var u = data;
                $('#inpt Mdf UE Id').val(u.id);
                $('#inpt Mdf UE Code').val(u.code);
                $('#inpt Mdf UE Libelle').val(u.libelle);
                $('#inpt Mdf UE Credit').val(u.credit);
                $('#inpt Mdf UE Coefficient').val(u.coefficient)
                $('#form Modifier UE').modal('show');
        });
```

```
$("#btn Modifier UE").click( function(){
   id = $('#inpt Mdf UE Id').val();
   code = $('#inpt Mdf UE Code').val();
   libelle = $('#inpt Mdf UE Libelle').val();
   credit = $('#inpt Mdf UE Credit').val();
   coefficient = $('#inpt Mdf UE Coefficient').val();
   ue = { code : code , libelle : libelle , credit: credit , coefficient : coefficient };
   $.ajax({
       type: "PUT",
       url: "http://localhost:8084/maquette/ue/"+id,
       data: JSON.stringify(ue),
       contentType: "application/json",
       success: function (data) {
           var u = data:
           $('#table UE tr').each(function(row, tr) {
               val = $(tr).attr('id');
               if(val=="ligne"+id){
                   $(tr).find('td:eq(0)').html(u.code);
                   $(tr).find('td:eq(1)').html(u.libelle);
                   $(tr).find('td:eq(2)').html(u.credit);
                   $(tr).find('td:eq(3)').html(u.coefficient);
           });
           $('#form Modifier UE').modal('hide');
   });
});
```

# Vue: ue.html – Supprimer UE



```
<!-- Debut popup supprimer un UE -->
    <div data-dismiss="modal">
        <div class="modal fade" id="form Supprimer UE">
            <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>
                        <div class="modal-body" >
                            <div style="display: none">
                                <input name="id" id="inpt Spm 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 -->
```

```
$(function(){
    supprimer UE= function (id) {
        $('#inpt Spm UE Id').val("");
       $('#inpt Spm UE Code').val("");
       $('#inpt Spm UE Libelle').val("");
        $('#inpt Spm UE Credit').val("");
        $('#inpt Spm UE Coefficient').val("");
        $.ajax({
           type: "GET",
            url: "http://localhost:8084/maquette/ue/"+id,
            dataType: 'json',
            success: function (data) {
                var u = data:
                $('#inpt Spm UE Id').val(u.id);
                $('#inpt Spm UE Code').val(u.code);
                $('#inpt Spm UE Libelle').val(u.libelle);
                $('#inpt Spm UE Credit').val(u.credit);
                $('#inpt Spm UE Coefficient').val(u.coefficient);
                $('#form Supprimer UE').modal('show');
        });
```

```
$("#btn Supprimer UE").click( function(){
    id = $('#inpt Spm UE Id').val();
    $.ajax({
       type: "DELETE",
        url: "http://localhost:8084/maquette/ue/"+id,
        success: function (data) {
            $('#table UE tr').each(function(row, tr) {
                val = $(tr).attr('id');
                if(val=="ligne"+id){
                    $(this).closest("tr").remove();
            });
            $('#form Supprimer UE').modal('hide');
    });
});
```