View 구현 2

• 타임리프에서 자바 클래스 접근하기

■ SeedStarter→Feature→name: 중첩 반복문 작성이 까다로움

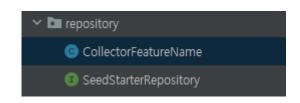
■ 본 예제에서는 특정 SeedStarter에 속한 모든 Feature들을 탐색하며 name을 수집, 하나의 문자열로

concat

심은날짜	가림유무	소재	특징
2002-04-05	No	PLASTIC	[SUBSTRATE, PH_CORRECTOR]
2001-04-05	No	WOOD	[FERTILIZER]
2003-04-05	Yes	WOOD	[PH_CORRECTOR]

- 타임리프에서 자바 클래스 접근하기
 - CollectorFeatureName

```
public class CollectorFeatureName {
    public static final List<FeatureType> name(Stream<Feature> stream) {
        return stream.map(v->v.getName()).collect(Collectors.toList());
    }
}
```



• 타임리프에서 메소드에 정의된 클래스에 접근하기 위해(인스턴스 변수로 접근이 아닌) 함수를 static으로 정의

• 테이블 안에 테이블

셀별품종			
1	Thymus vularis		10
2	Thymus pseudolaginos	us	15
3	x citriodorus		20
1	Thymus herba-barona	5	
2	Thymus serpyllum	5	
1	New Variety 20		

• 테이블 안에 테이블

```
>
1
Thymus Thymi
12
```

```
<div class="container alert alert-success">
    <form action="#" th:action="@{/seedstartermng}" th:object="${seedStarterAddForm}" method="post">
      <fieldset>
        <legend>새로운 Seed Starter추가</legend>
        <div class="form-group row">
          <label for="plantedDateTxBox" class="col-sm-2 col-form-label"</pre>
              th:text="#{seedstarter.datePlanted}"></label>
          <div class="col-sm-10">
             <input type="text" id="plantedDateTxBox" th:field="*{datePlanted}"/>
          </div>
        </div>
        <button type="submit" class="btn btn-primary">추가</button>
      </fieldset>
    </form>
  </div>
```

Selection expressions

■ *{...}: th:object로 정의된 변수(object)에 포함된 값을 의미
<form action="#" th:action="@{/seedstartermng}" th:object="\${seedStarterAddForm}" method="post">
<input type="text" id="plantedDateTxBox" th:field="*{datePlanted}"/>

```
@Getter
@Setter
public class SeedStarterAddForm {
    private String datePlanted;
}
```

Selection expressions

■ Method level에 @ModelAttribute를 사용하여 모델에 공통 속성 등록

```
public class SeedStarterMngController {
 @ModelAttribute
  public void addAttributes(Model model) {
    model.addAttribute("seedStarterAddForm", new SeedStarterAddForm());
  @PostMapping({"/seedstartermng"})
  public String addNewSeedStarter(@ModelAttribute SeedStarterAddForm seedStarterAddForm){
    System.out.println("seedStarter = " + seedStarterAddForm.getDatePlanted());
    return "seedstartermng1";
```

- Selection expressions
 - SeedStarter리스트 표시에 필요한 부분도 모델에 공통 속성 등록

```
public class SeedStarterMngController {
    private final SeedStarterService seedStarterService;
    private final ObjectMapper mapper;
    @ModelAttribute
    public void addAttributes(Model model) {
        List<SeedStarter> seedStarterWithFeature = seedStarterService.findWithFeature();
        List<SeedStarter> seedStarterWithDetail = seedStarterService.findWithDetail();
        model.addAttribute("seedStarterWithFeature",seedStarterWithFeature);
        model.addAttribute("seedStarterWithDetail",seedStarterWithDetail);
        model.addAttribute("seedStarterAddForm", new SeedStarterAddForm());
    }
```

```
public class SeedStarterAddForm {
   private String datePlanted;
   private boolean covered;
}
```

```
@Getter
@Setter
public class SeedStarterAddForm {
    private String datePlanted;
    private boolean covered;
    private String type;
}
```

```
<div class="form-row row">
          <div class="col-sm-2" th:text="#{seedstarter.features}"></div>
          <div class="col-sm-2">
            <div class="form-check">
              <input class="form-check-input" type="checkbox" name="features" value="SUBSTRATE" th:field="*{substrate}">
              <label class="form-check-label">특정 기질</label>
            </div>
            <div class="form-check">
              <input class="form-check-input" type="checkbox" name="features" value="FERTILIZER" th:field="*{fertilizer}">
              <label class="form-check-label">비료 사용</label>
            </div>
            <div class="form-check">
              <input class="form-check-input" type="checkbox" name="features" value="PH_CORRECTOR" th:field="*{phCorrector}">
              <label class="form-check-label">수소 농도 교정</label>
            </div>
          </div>
```

```
@Getter
@Setter
public class SeedStarterAddForm {
    private String datePlanted;
    private boolean covered;
    private String type;
    private String substrate;
    private String fertilizer;
    private String phCorrector;
}
```