

Title

Author

Algorithm 1: Creating RESTFull

Input: KDMSource source, KDMDData data

```
1 begin
2   foreach data.RelationalTable do
3       entity ← createClassUnit (data, source);
4       entity ← createDataElement (data, source);
5       entity ← createMethodUnit (data, source);
6       if entity != null then
7           absFac ← createAbstractFacade (entity)
8           entiFac ← createEntityFacade (absFac)
9           createCRUD (entiFac)
10          createGeneralization (absFac, entiFac)
11          createComposition (entity, entiFac)
12          createEntityRESTFUL (entity)
13      end
14  end
15 end
```

Algorithm 2: Creating RESTFull

Input: KDMSource source, KDMDData data

```
1 begin
2   foreach data.RelationalTable do
3       entity ← createClassUnitEntity (data,
4       source);
5       if entity != null then
6           absFac ← createAbstractFacade
7           (entity)
8           entiFac ← createEntityFacade
9           (absFac)
10          createCRUD (entiFac)
11          createGeneralization (absFac,
12          entiFac)
13          createComposition (entity, entiFac)
14          createEntityRESTFUL (entity)
15      end
16  end
17 end
```

Algorithm 3: Creating Entity

Input: KDMSource source, KDMDData data

```
1 begin
2   foreach data.RelationalTable do
3       entity ← createClassUnit (data, source);
4       entity ← createDataElement (data, source);
5       entity ← createMethodUnit (data, source);
6       if entity != null then
7           absFac ← createAbstractFacade
8           (entity)
9           entiFac ← createEntityFacade
10          (absFac)
11          createCRUD (entiFac)
12          createGeneralization (absFac,
13          entiFac)
14          createComposition (entity, entiFac)
15          createEntityRESTFUL (entity)
16      end
17  end
18 end
```
