



openSAP *Developing JAVA Based Apps with SAP HANA Cloud Platform*

week2_unit4 - Exercice

Snippet 1

// Class - EspmServiceFactory, package - com.sap.espm.model.web, Project – espm-cloud-web

//to-do - replace this with your code implementation

```

ODataJPAContext oDataJPAContext = this.getODataJPAContext();
EntityManagerFactory emf;
try {
    emf = JpaEntityManagerFactory.getEntityManagerFactory();
    oDataJPAContext.setEntityManagerFactory(emf);
    oDataJPAContext.setPersistenceUnitName(PERSISTENCE_UNIT_NAME);
    oDataJPAContext.setJPAEdmExtension(new EspmProcessingExtension());
    oDataJPAContext.setJPAEdmMappingModel("EspmEdmMapping.xml");
    return oDataJPAContext;
} catch (Exception e) {
    throw new ODataRuntimeException(e);
}
```

Snippet 2

//Class - CustomerProcessor.java, package - com.sap.espm.model.function.impl, Project - espm-cloud-web

```

//to-do - replace the below function signature with your code implementation
    @EdmFunctionImport(name = "GetCustomerByEmailAddress", entitySet =
"Customers", returnType = @ReturnType(type = Type.ENTITY, isCollection = true))
    public List<Customer> getCustomerByEmailAddress(
        @EdmFunctionImportParameter(name = "EmailAddress") String
emailAddress)throws ODataException {
```

Snippet 3

//Class - EspmProcessingExtension.java, package - com.sap.espm.model.web, Project - espm-cloud-web

//to-do replace this with your code implementation

```
view.registerOperations(CustomerProcessor.class, null);
```

Coding Samples

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