

Creating Fields in Hibernate Elements

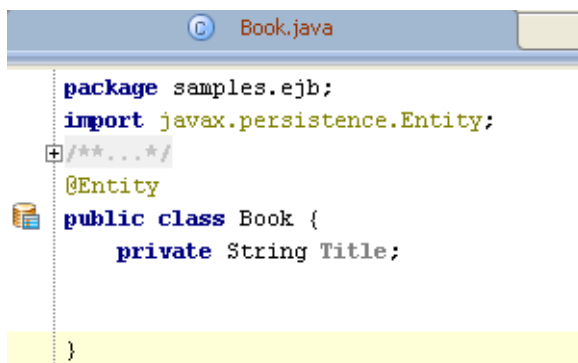
When a persistent field is added to an entity, the respective annotated properties are added to the source file of the entity class, the field is marked with a gutter icon in the editor, and the member nodes are added to the session factory node in the Persistence tool window , and to the ER diagram of the session factory.

Fields can be created in one of the following ways:

- [By editing the source code](#) of an entity class
- Using the [context menu commands](#)

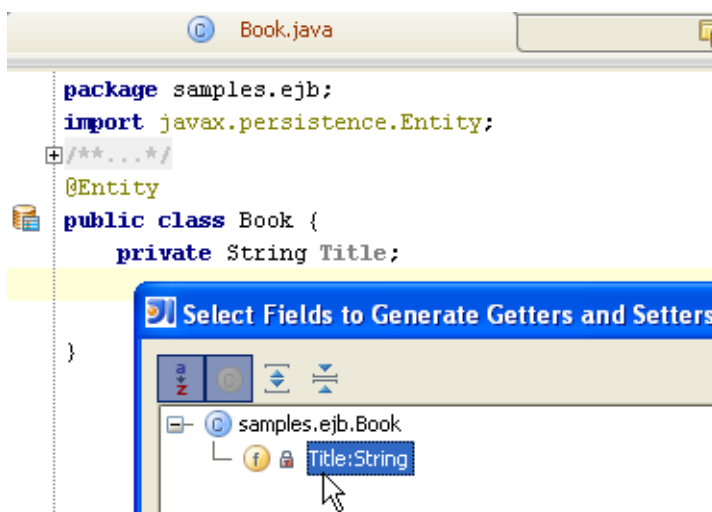
To create fields in the source code

1. Open the desired entity class for editing.
2. Type the desired field declaration:



```
package samples.ejb;
import javax.persistence.Entity;
/**...*/
@Entity
public class Book {
    private String Title;
}
```

3. Create getter and setter methods. To do that, press Alt+Insert, and select **Getter and Setter** from the suggestion list:

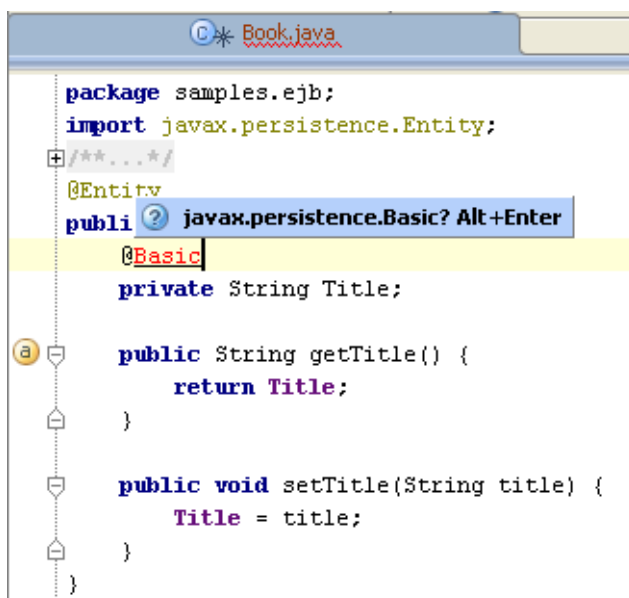


```
package samples.ejb;
import javax.persistence.Entity;
/**...*/
@Entity
public class Book {
    private String Title;
}
```

Select Fields to Generate Getters and Setters

samples.ejb.Book
Title:String

4. Annotate the field. If the required import is missing, use the suggested quick fix:



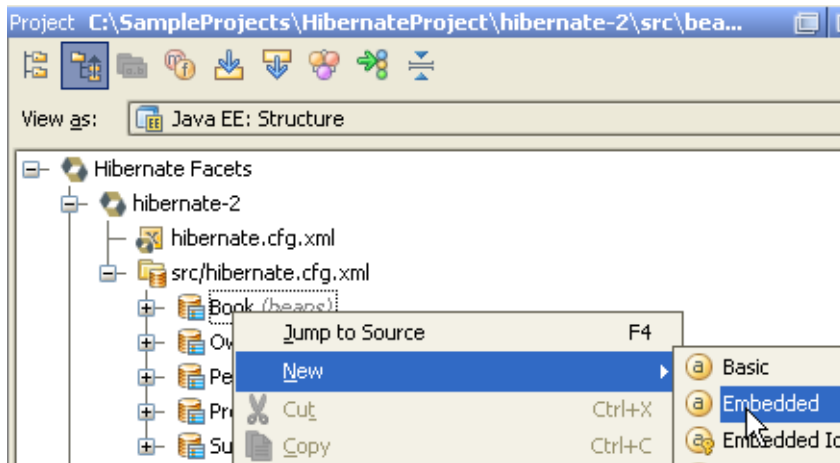
```
package samples.ejb;
import javax.persistence.Entity;
/**...*/
@Entity
public class Book {
    @Basic
    private String Title;

    public String getTitle() {
        return Title;
    }

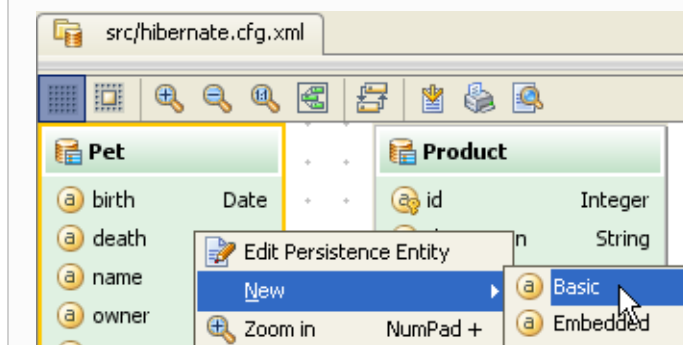
    public void setTitle(String title) {
        Title = title;
    }
}
```

To create persistence fields using the entity context menu

1. In the **Persistence tool window**, expand the Hibernate Facets node, and select the desired session factory.
2. Under the session factory node, right-click Hibernate element you want to populate with fields, and choose **New | <field >** :



You can invoke the same command on the context menu of an entity in the ER diagram:



3. In the dialog box that opens, specify the field name and type, and click **OK**.

See Also

Procedures:

- [Opening JPA or Hibernate ER Diagram](#)

Reference:

- [Diagram Toolbar and Context Menu](#)

Web Resources:

- [Developer Community](#)