|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ***Association*** | ***Special Property Type*** | ***Cascade values*** | ***Lazy Values*** | ***Inverse Associations*** | ***Orphan Records*** | ***Tags*** | ***Tag or Attribute to specify FK column*** |
| **OneToMany (Uni)** | List/set/Map/Array | **None(d)**,all,  Save- update, update, delete,  delete-orphan,  **all-delete-orphan (best),**persist,  merge | **True(d),**  false,  **extra(best)** | NA | Yes | <set>/  <list>/  <map>/  <bag>  <One-to-many> | <key tag column attribute> |
| **OneToMany (Bi)**  **ManyToOne (Bi)** | Same (p) parent class ref(c) | Same(p) everything except orphan values(c),  **All(best)** | Same(p)  **false(d)**,  **proxy(best),**no-proxy | Yes  (many side) | Yes | Same  +  <many-To-One> | <key> tag column attribute and column attribute of<many-to-One> |
| **ManyToOne (Uni)** | parent class ref(c) | Same except orphan values **all(best)** | false(d),  **proxy(best),**no-proxy | No | No | <may-to-one> | Col attribute Of <many-to-one> |
| **ManyToMany (Only Bi)** | Collection Type(p & c) | Same except orphan values **all(best)** | **True(d)**,  false,  **extra(best)** | Yes  (Any side) | No | Same +  <many-To-many>  ***,<idbag>*** | <Key> tag attr. Of <many-to-many> |
| **OneToOne (PK)**  **(Bi)** | Reference type of opposite class | Same except orphan values **all(best)** | **false(d)(b),**  **proxy(b)-> if constraint=**  **”true”, not-null=”true”** | No | No | <one-to-one>(cfg foreign generator) | NA  **Note: if we place constraint=**  **”true” in <one-to-one> then it makes PK as FK.** |
| **OneToOne (FK)**  **(Uni)** | Reference type of opposite class | Same except orphan values **all(best)** | false(d),  **proxy(best),**no-proxy | NO | NA | <many-to-one> with unique=  ”true”, not-null=  ”true” | Column attribute of <many-to-one> tag |