

one to many with Map collection as association type

1..1

\*..1

```
class Project {
    int projectNo;
    String description;
    String type;
    int estimatedDays;
    double estimatedAmount;
    Vendor vendor;
}
```

```
class Vendor {
    int vendorNo;
    String vendorName;
    LocalDate establishedDate;
    String contactNo;
    String emailAddress;
    Map<String, Project> assignedProjects;
}
```

project

```
project_no
description
type
estimated_days
estimated_amount
vendor_no (fk)
contract_no (unique)(integer)
              (not-null)
```

vendor

```
vendor_no
vendor_nm
established_dt
contact_no
email_address
```

```
Vendor.hbm.xml
<hibernate-mapping package="com.otmm.entities">
  <class name="Vendor" table="vendor">
    <id name="vendorNo" column="vendor_no">
      <generator class="increment"/>
    </id>
    <property name="vendorName" column="vendor_nm"/>
    ...
    <map name="assignedProjects">
      <key column="vendor_no"/>
      <map-key column="contract_no" unique="true" type="int" not-null="true"/>
      <one-to-many class="Project"/>
    </map>
  </class>
</hibernate-mapping>
```