App Development & Modeling

BSc in Applied Computing



Eamonn de Leastar (edeleastar@wit.ie)

Department of Computing, Maths & Physics Waterford Institute of Technology

http://www.wit.ie

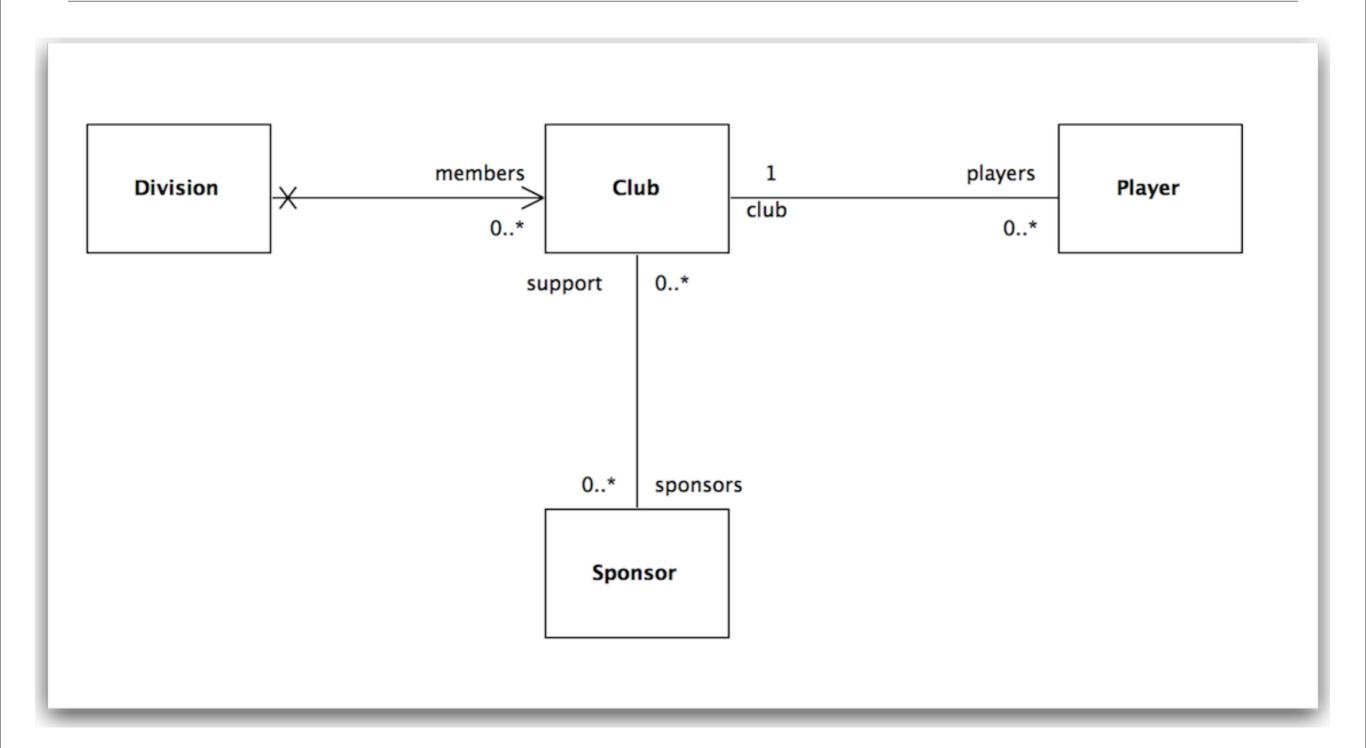
http://elearning.wit.ie



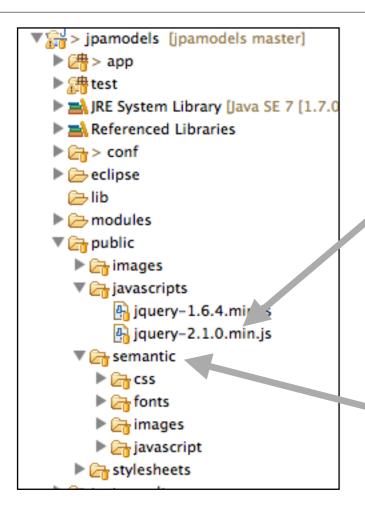


JPA 2

OneToMany, ManyToOne, ManyToMany



Semantic UI & JQuery





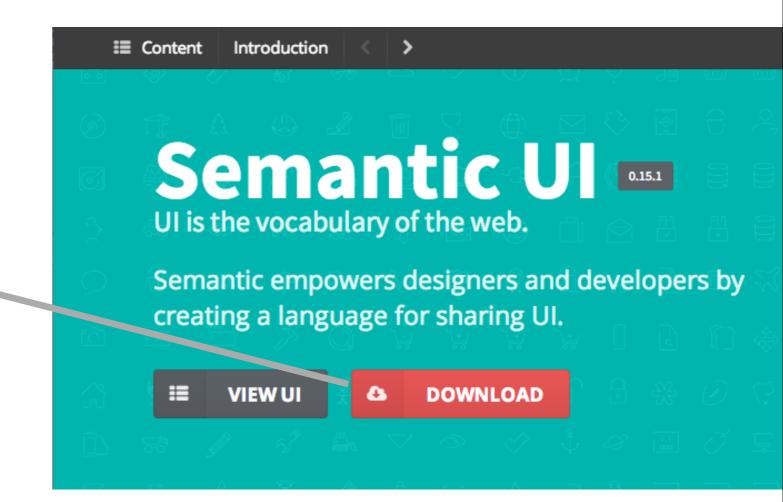
jQuery 2.x has the same API as jQuery 1.x, but does not support Internet Explorer 6, 7, or 8. All the notes in the jQuery 1.9 Upgrade Guide apply here as well. Since IE 6/7/8 are still relatively common, we recommend using the 1.x version unless you are certain no IE 6/7/8 users are visiting the site. Please read the 2.0 release notes carefully.

Download the compressed, production jQuery 2.1.0

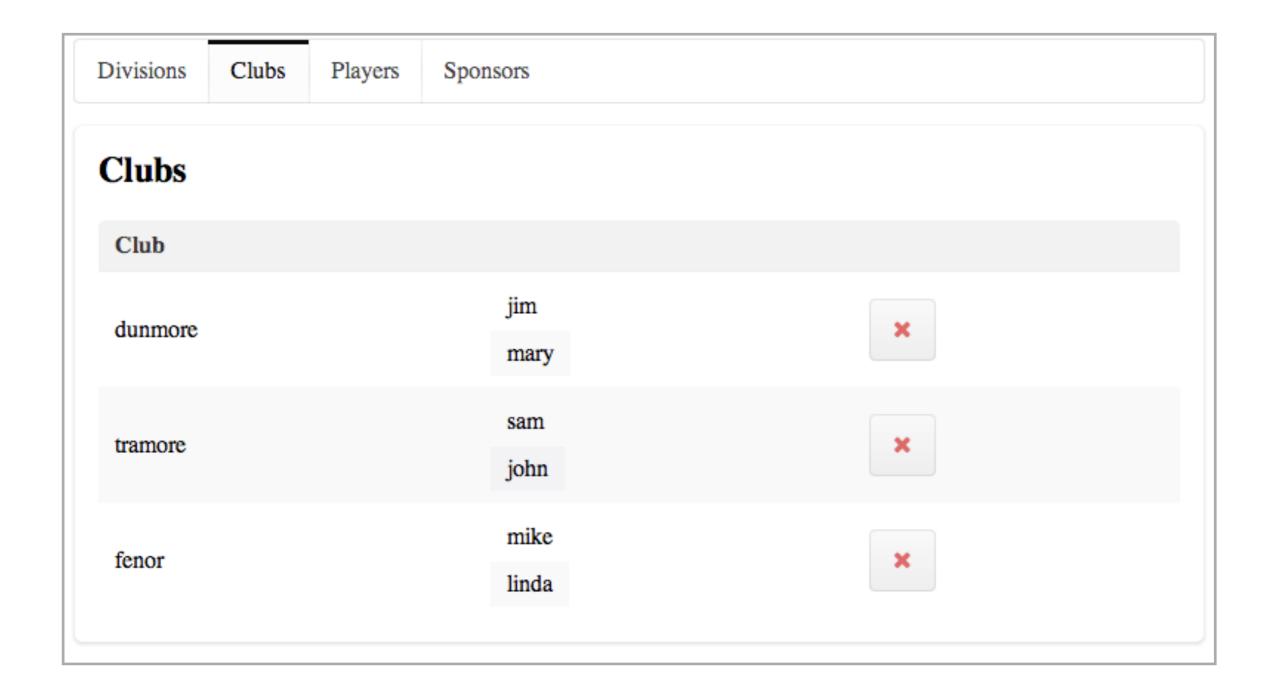
Download the uncompressed, development jQuery 2.1.0

Download the map file for jQuery 2.1.0

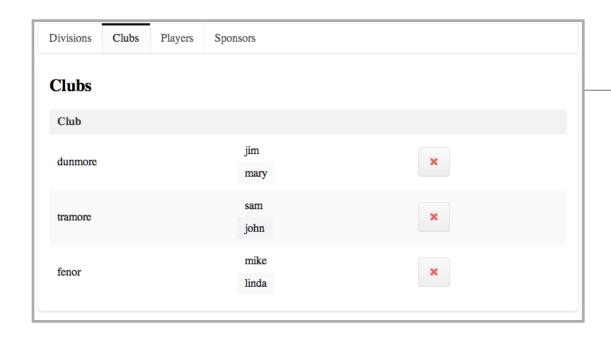
¡Query 2.1.0 release notes

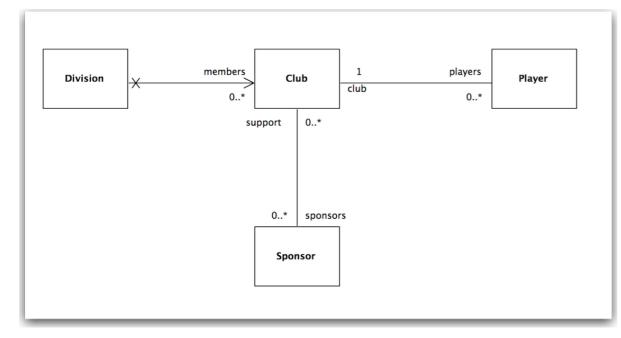


Delete Club



Delete Club

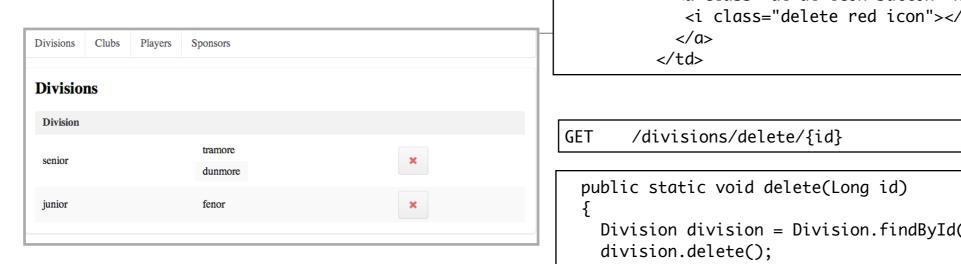


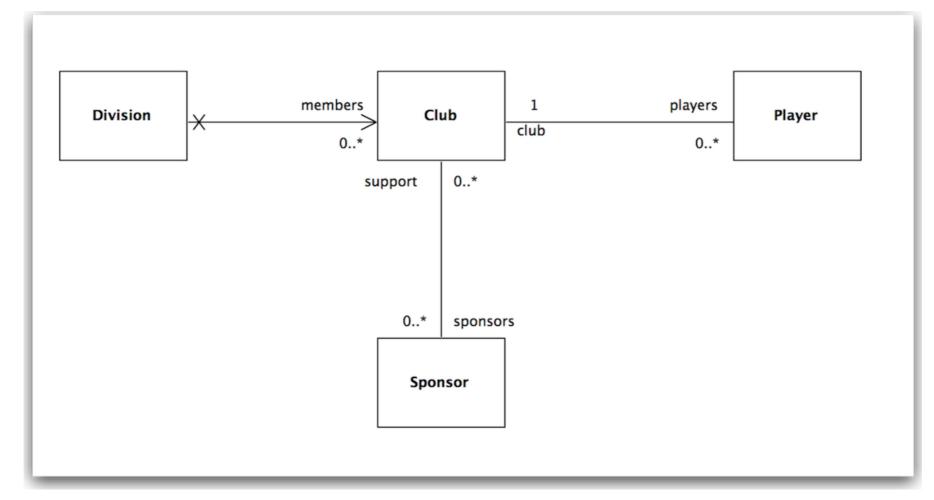


```
GET /clubs/delete/{id} Clubs.delete
```

```
public static void delete(Long id)
{
   Club club = Club.findById(id);
   if (club != null)
   {
      Logger.info("Trying to delete " + club.name);
      List<Division> divisions = Division.findAll();
      for (Division division : divisions)
      {
        if (division.members.contains(club))
        {
            division.members.remove(club);
            division.save();
            Logger.info ("removing club from division");
        }
      }
      club.delete();
   }
   index();
}
```

Delete Division





Show Sponsors Clubs

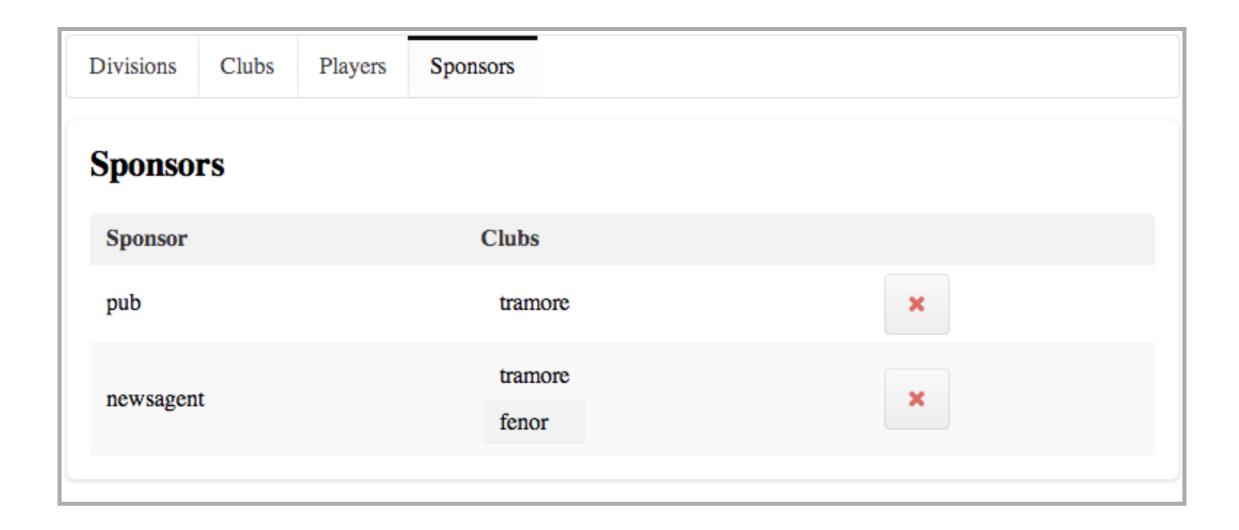
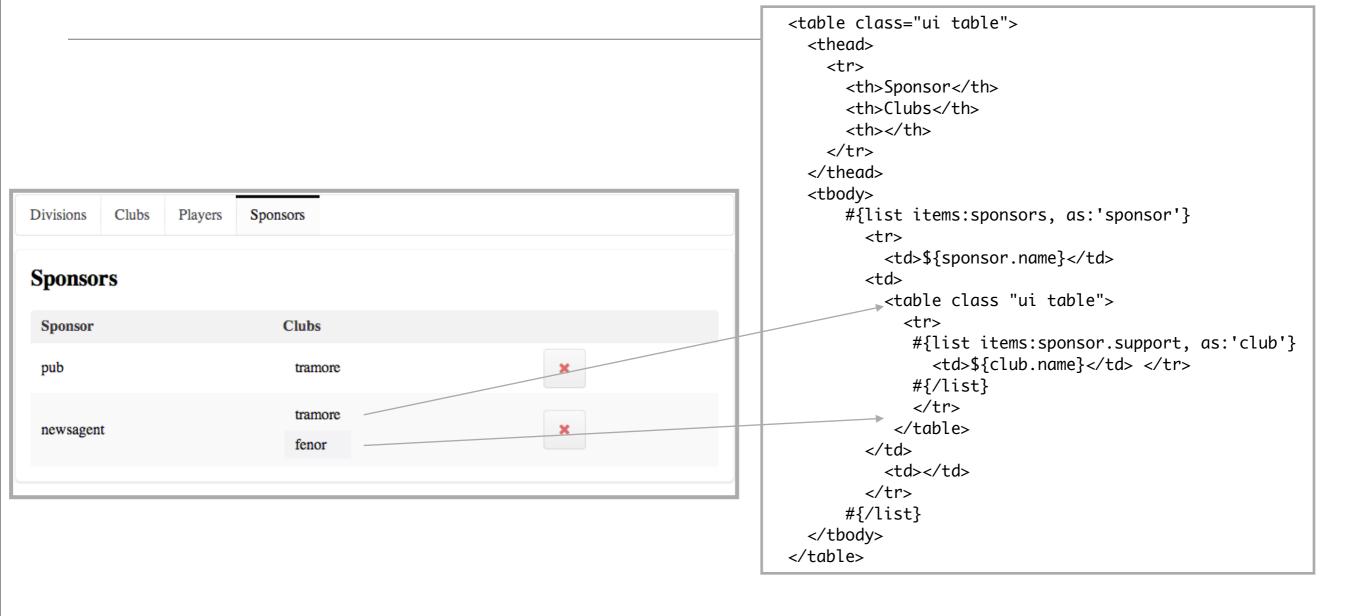


Table inside a table



Yaml file - Froward References

- Test data in Yaml file cannot refer to objects that have not been seen in the file yet (reading from top to bottom)
- Bidirectional references can be included by including the objects twice
 - Once at top (partial)
 - Once at end (complete)

```
Sponsor(pub):
    name: pub

Sponsor(newsagent):
    name: newsagent
```

```
Club(tramore):
    name: tramore
    sponsors:
        - pub
        - newsagent

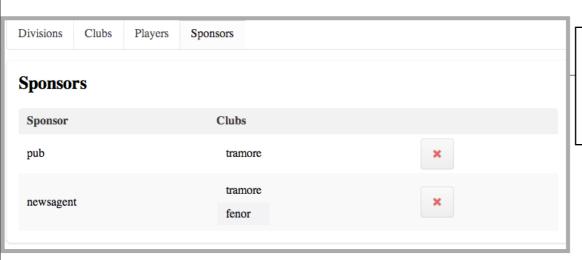
Club(fenor):
    name: fenor
    sponsors:
        - newsagent
```

```
Sponsor(newsagent):
    name: newsagent
    support:
        - tramore
        - fenor

Sponsor(pub):
    name: pub
    support:
        - tramore
```

Delete Sponsors

Sponsors.delete



GET

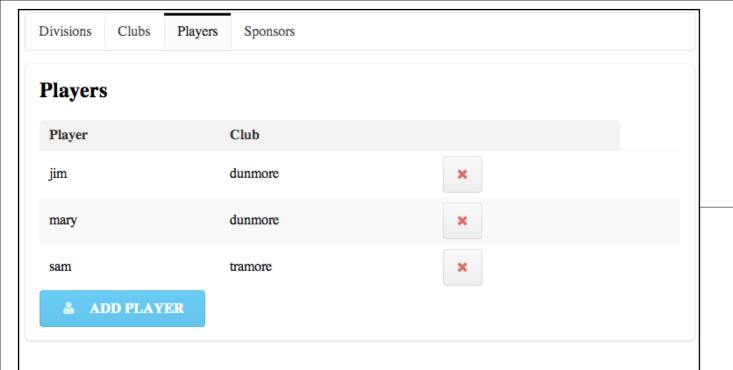
/sponsors/delete/{id}

```
<a class="ui ui icon button" href="/sponsors/delete/${sponsor.id}"> <i class="delete red icon"></i> </a>
```

```
public static void delete(Long id)
{
   Sponsor sponsor = Sponsor.findById(id);

   for (Club club : sponsor.support)
   {
      club.sponsors.remove(sponsor);
      club.save();
   }

   sponsor.delete();
   index();
}
```



Create Player

```
GET /players/addplayer Players.addPlayer
POST /players/newplayer Players.newPlayer
```

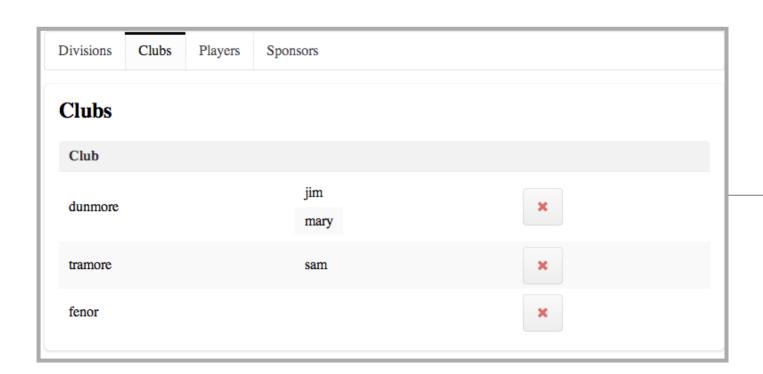
```
public static void addPlayer()
{
    render();
}

public static void newPlayer(String name)
{
    Player player = new Player (name);
    player.save();
    index();
}
```

```
Player Name

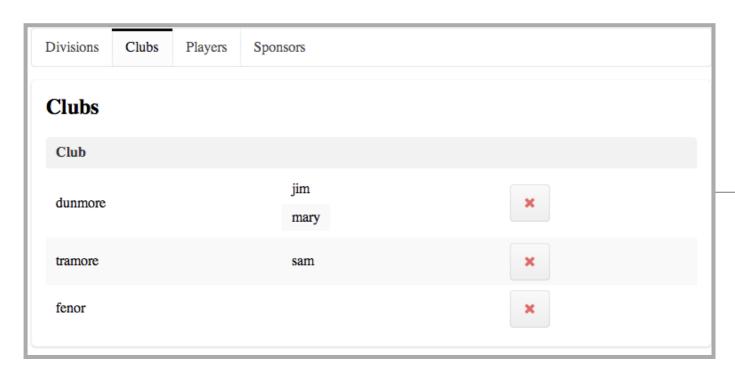
james|

ADD
```



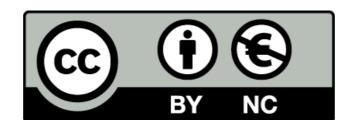
Null Deference error in Templates

- If the player is not in a club
 - then null type
 violation error here
 - Attempt to dereference null reference - there is no club member in player



Null Safe Operator in Templates

- .? is a 'null-safe' operator
- i.e. if there is a club, retrieve its name member, if not, then dont.



Except where otherwise noted, this content is licensed under a Creative Commons Attribution-NonCommercial 3.0 License.

For more information, please see http://creativecommons.org/licenses/by-nc/3.0/



