

Testverbesserung

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InitBean, charset fehlt

Alter Code

```
BufferedReader br = new BufferedReader(new InputStreamReader(getClass()  
    .getResourceAsStream("/") + racesFileName));
```

Probleme:

Hat beim Test auch ohne Charset funktioniert.

Wird aber für Systemübergreifende Programme benötigt.

Neuer Code

```
BufferedReader br = new BufferedReader(  
    new InputStreamReader(  
        getClass()  
        .getResourceAsStream(  
            "/" + teamFileName),  
        StandardCharsets.UTF_8)  
);
```

Nun kommen nur mehr Verbesserungen bei der Formatierung

Initbean

Alter Code

```
Race race = new Race(Long.parseLong(attributes[0]), attributes[1], LocalDate.parse(  
    attributes[2], DateTimeFormatter.ofPattern("dd.MM.yyyy"))));  
  
team = em.createNamedQuery(  
    "Team.findByName", Team.class)  
    .setParameter("NAME", line[0]).getSingleResult();
```

```
Race race = new Race(Long.parseLong(attributes[0]),
                    attributes[1],
                    LocalDate.parse(attributes[2], DateTimeFormatter.ofPattern(
"dd.MM.yyyy"))));

team = em.createNamedQuery(
"Team.findByName", Team.class)
.setParameter("NAME", line[0])
.getSingleResult();
```

ResultsEndpoint

```
Long points = em.createNamedQuery("Result.getPointsSumOfDriver", Long.class)
.setParameter("NAME", name).getSingleResult();

Long driverId = em.createNamedQuery("Result.getWinner", Driver.class)
.setParameter("COUNTRY", country).getSingleResult().getId();

List<Race> wonRaces = em.createNamedQuery("Result.wonRaces", Race.class).setParameter
("TEAMNAME", team).getResultList();

Long points = em.createNamedQuery("Result.allPoints", Long.class).setParameter("ID",
driver).getSingleResult();
```

```
Long points = em.createNamedQuery("Result.getPointsSumOfDriver", Long.class)
.setParameter("NAME", name)
.getSingleResult();

Long driverId = em.createNamedQuery("Result.getWinner", Driver.class)
.setParameter("COUNTRY", country).
getSingleResult().
getId();

List<Race> wonRaces = em.createNamedQuery("Result.wonRaces", Race.class)
.setParameter("TEAMNAME", team)
.getResultList();

Long points = em.createNamedQuery("Result.allPoints", Long.class)
.setParameter("ID", driver)
.getSingleResult();
```

ResultsEndpoint

Alter Code

```
em.createNamedQuery("Driver.findByName", Driver.class).setParameter("NAME", name)
    .getSingleResult());
```

Neuer Code

```
em.createNamedQuery("Driver.findByName", Driver.class)
    .setParameter("NAME", name)
    .getSingleResult());
```

Team

Alter Code

```
@NamedQueries(
    @NamedQuery(name = "Team.findByName", query = "select t from Team t where
t.name like :NAME")
)
```

Neuer Code

```
@NamedQueries(
    @NamedQuery(
        name = "Team.findByName",
        query = "select t from Team t where t.name like :NAME"
    )
)
```

Driver

Alter Code

```
@NamedQueries({
    @NamedQuery(name = "Driver.findByName", query = "select d from Driver d where
d.name like :NAME"),
    @NamedQuery(name = "Driver.findAll", query = "select d from Driver d")
})
```

```
@NamedQueries({
    @NamedQuery(
        name = "Driver.findByName",
        query = "select d from Driver d where d.name like :NAME"
    ),
    @NamedQuery(
        name = "Driver.findAll",
        query = "select d from Driver d"
    )
})
```