

Verbesserung Donnabauer:

InitBean:

- Falscher Code:

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

- Fehler: Es wird kein Zeichensatz angegeben → Umlaute in Namen werden problematisch
- Richtiger Code:

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

Result:

- Falscher Code:

```
@Table
```

- Fehler: Tabelle hat keinen Namen, Named Queries fehlen komplett da ich die anderen Aufgaben nicht gemacht habe
- Richtiger Code:

```
@Table(name = "F1_RESULT")
@NamedQueries({
    @NamedQuery(
        name = "Result.sumPointsForDriver",
        query = "select sum(r.points) from Result r where r.driver.name = :NAME"
    ),
    @NamedQuery(
        name = "Result.sumPointsForAllDrivers",
        query = "select r.driver.name, sum(r.points) from Result r group by r.driver.name"
    )
})
```

ResultsRestClient:

- Falscher Code:
- Fehler: Klasse Result hat falsche @Table Annotation
- Richtiger Code:

ResultsEndpoint:

- Falscher Code:
- Fehler: Ich persönlich habe mich zu wenig damit auseinandergesetzt
- Richtiger Code:

```

@GET
@Produces(MediaType.APPLICATION_JSON)
public JsonObject getPointsSumOfDriver(
    @QueryParam("name") String name
) {
    Long points = em
        .createNamedQuery("Result.sumPointsForDriver", Long.class)
        .setParameter("NAME", name)
        .getSingleResult();

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

    return Json
        .createObjectBuilder()
        .add("driver", driver.getName())
        .add("points", points)
        .build();
}

@GET
@Path("/{id}")
@Produces(MediaType.APPLICATION_JSON)
public Response findWinnerOfRace(@PathParam("id") long id) {
    return null;
}

@GET
@Path("/all")
@Produces(MediaType.APPLICATION_JSON)
public Response getPointsSumOfAllDrivers() {
    List<Object[]> elements = em
        .createNamedQuery("Result.sumPointsForAllDrivers", Object[].class)
        .getResultList();

    return Response.ok(elements).build();
}
}

```