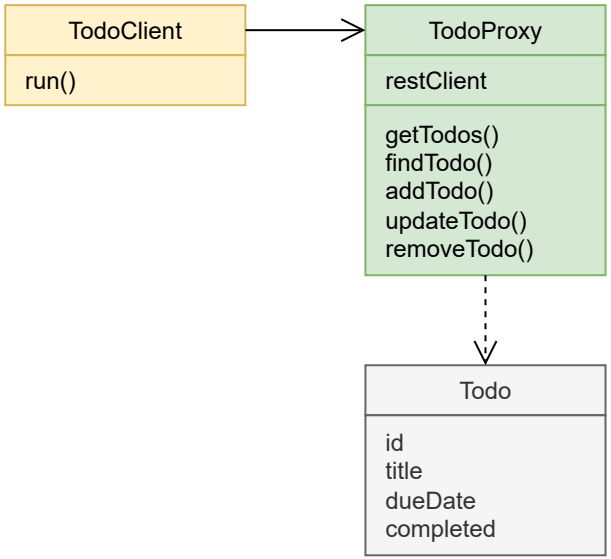
Spring Web

Exercise: Todo REST Client



1. Clone the GitLab repository Todo (https://gitlab.ti.bfh.ch/cas-sad-hs25/spring-web/todo) and copy the application.
2. Remove the persistence artifacts (dependencies, repository, entity annotaions) and add the `spring-boot-starter-webmvc` Maven dependency.
3. Rename the `TodoService` class to `TodoProxy` .
4. Use the Spring RestClient (https://docs.spring.io/spring-framework/docs/current/javadoc-

api/org/springframework/web/client/RestClient.html) to implement the proxy methods which send REST requests to the web service.

5. In the `findTodo` and `updateTodo` methods catch the `HttpClientErrorException.NotFound` exception, get the problem detail using the `getResponseBodyAs` method and rethrow a `TodoNotFoundException`.
6. Start the client application without web server:

```
new SpringApplicationBuilder(Application.class).web(NONE).run(args);
```

Solution (https://gitlab.ti.bfh.ch/cas-sad-hs25/spring-web/todo/-/commits)

© Stephan Fischli, https://distsys.bfh.ch/fischli (https://distsys.bfh.ch/fischli)