

(Boundary Control Entity)

The diagram illustrates a layered architecture for a Boundary Control Entity (BCE). It is organized into three main horizontal layers:

- View Layer:** Contains a **WebClient** and a **WebServer** box. The **WebClient** is connected to the **WebServer** via a bidirectional arrow.
- Config Layer:** Contains **FrontendSecurity**, **MiddlewareFrameworkConfiguration**, and **BackendSecurity** boxes. The **WebClient** is connected to **FrontendSecurity**, and the **WebServer** is connected to **BackendSecurity**.
- Entity Layer:** Divided into **Data** and **Controller** sub-layers.
 - Data Layer:** Contains **Entity**, **Repository**, and **Service** boxes. The **Repository** is connected to the **Service** via a bidirectional arrow. The **Service** is connected to the **WebServer** in the Controller layer.
 - Controller Layer:** Contains **Repository** and **WebServer** boxes. The **Repository** is connected to the **WebServer** via a bidirectional arrow.

A **Spring Data JPA** database icon is connected to the **Repository** box in the Entity layer.

Datenfluss
 Der Original Code vorauschaucht den Weg den die Daten nehmen von der externen Quelle bis die Daten für den Benutzer in der UI angezeigt werden.

BCE
 Vorauschaucht durch Gruppierung die drei Komponenten des BCE Modells.

MESSAGES

Public Chat

NOTES

Shared Notes

USERS (4)

Hana Bukvic (You)

Edin Pivric

Muhammad Ghalandari

Patricia Nerlie Tawala

Public Chat

Welcome to Gruppen-BBBs (G24).

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Then enter 799 936 as the conference PIN number.

Hana Bukvic 1:24 PM

Boundary is an interface to the outside world. It contains classes responsible for all communications with systems outside application runtime. It contains configuration, and establishing external connections. You may choose to place all API objects here as well and separate internal domain objects into entity package to avoid accidentally changing the API.
Control represents all logic that doesn't fit well into Boundary. It contains algorithms, SQL Queries.
Entity contains data structures which are allowed to have some behaviour. It contains domain objects with basic functionalities.

Hana Bukvic 1:24 PM

Entity contains data structures which are allowed to have some behaviour. It contains domain objects with basic functionalities.

Message Public Chat

Public Chat

Gruppen-BBBs (G24)

Start recording

Patricia Nerlie Tawala You

Hana Bukvic

File Edit View Navigate Code Refactor Build Run Tools Git Window Help

lab: TalsperrenDetail.java [softwareengineering]

lab: vadin-demo-main src/main/java/de/ostfalia/application/views/talsperren TalsperrenDetail.java TalsperrenDetail.java TalsperrenService.java

Project

lab: C:\Users\piwale\IntelliJ-Projects\lab

lab: idea

lab: vadin-demo-main [softwareengineering]

lab: doc-images

lab: frontend

lab: node_modules

lab: src

lab: test

lab: target

lab: .gitignore

lab: package.json

lab: pom.xml

lab: README.md

lab: softwareengineering.xml

lab: External Libraries

lab: Scratches and Consoles

34 wird automatisch nach den Konstruktor aufgerufen

35 */

36 // @Override

37 public void setParameter(BeforeEvent event, Long parameter) {

38 talsperre = service.getTalsperreById(parameter);

39 }

40

41

42 VerticalLayout layout = new VerticalLayout();

43

44 layout.add(soChart(talsperre.getId()));

45 layout.add(soChart2(talsperre.getId()));

46

47 setContent(layout);

48

49 this.getTitle().setText("Detailsite");

50

51 }

52

Run Application

Console

2023-10-12T17:55:38.514+02:00 INFO 24224 --- [restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8081 (http) with context path ''

2023-10-12T17:55:38.535+02:00 INFO 24224 --- [restartedMain] de.ostfalia.application.Application : Started Application in 13.823 seconds (process running for 15.8)

2023-10-12T17:55:38.788+02:00 INFO 24224 --- [nio-8081-exec-1] o.s.c.a.c.[Tomcat].[localhost].[] : Initializing Spring DispatcherServlet 'dispatcherServlet'

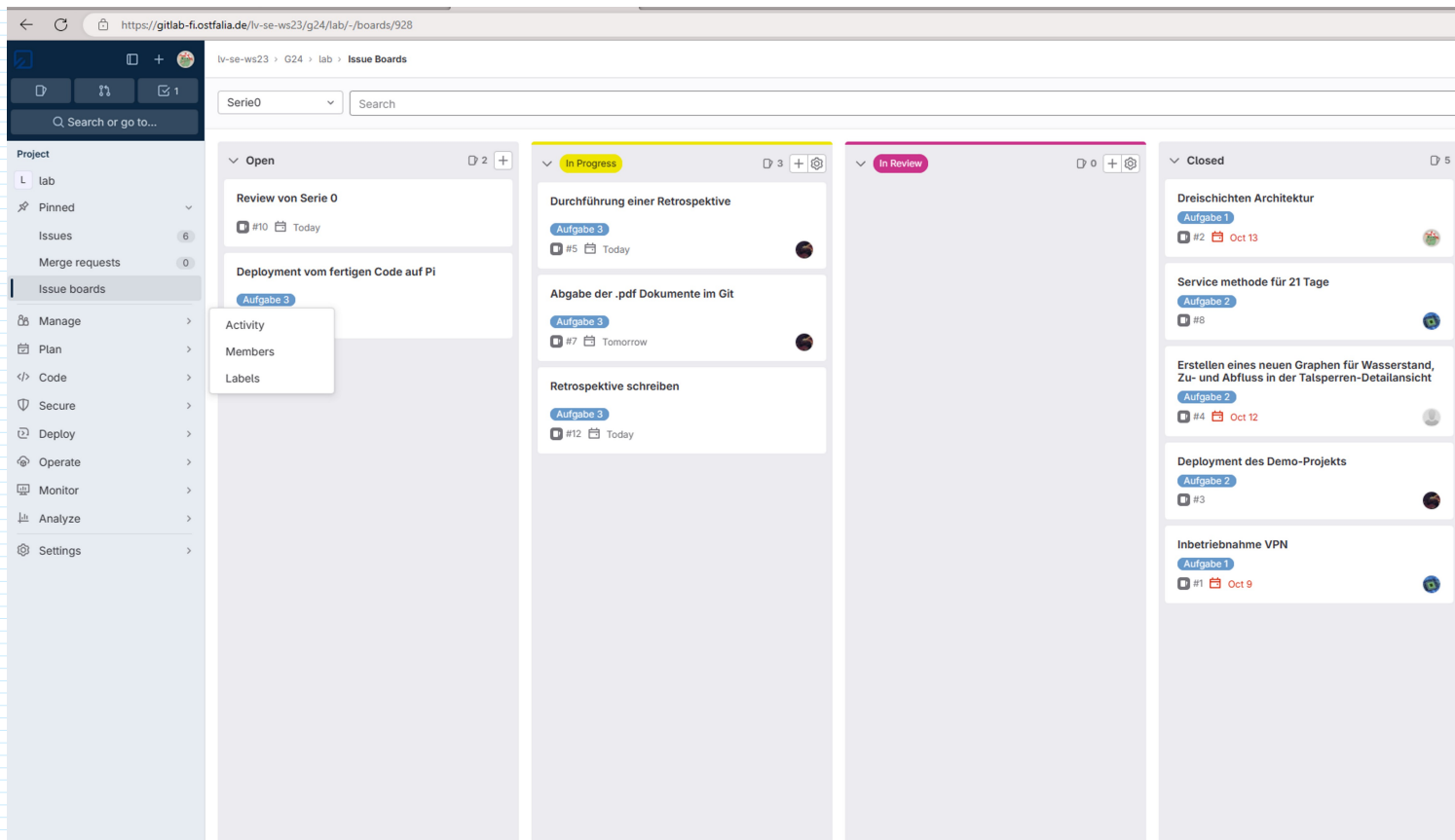
2023-10-12T17:55:38.788+02:00 INFO 24224 --- [nio-8081-exec-1] o.s.c.a.c.[Tomcat].[localhost].[] : Initializing Servlet 'dispatcherServlet'

2023-10-12T17:55:38.798+02:00 INFO 24224 --- [nio-8081-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 2 ms

2023-10-12T17:55:42.001+02:00 INFO 24224 --- [nio-8081-exec-3] c.vaadin.flow.spring.SpringInstantiator : The number of beans implementing 'I18NProvider' is 0. Cannot use Spring

2023-10-12T17:55:42.001+02:00 INFO 24224 --- [nio-8081-exec-3] c.vaadin.flow.spring.SpringInstantiator : Hibernate: select ti_0.ID, ti_0.InfoURL, ti_0.ImageID, ti_0.Name from Talsperren ti_0

37:11 (6 chars) CRLF UTF-8 4 spaces master



Retro und Review von Serie0

