



POLITÉCNICA

"Ingeniamos el futuro"

CAMPUS
DE EXCELENCIA
INTERNACIONAL



19/08/2019 •

Arquitectura y Patrones para Aplicaciones Web

Proyecto Themes

Arquitectura: Layers VS Resources

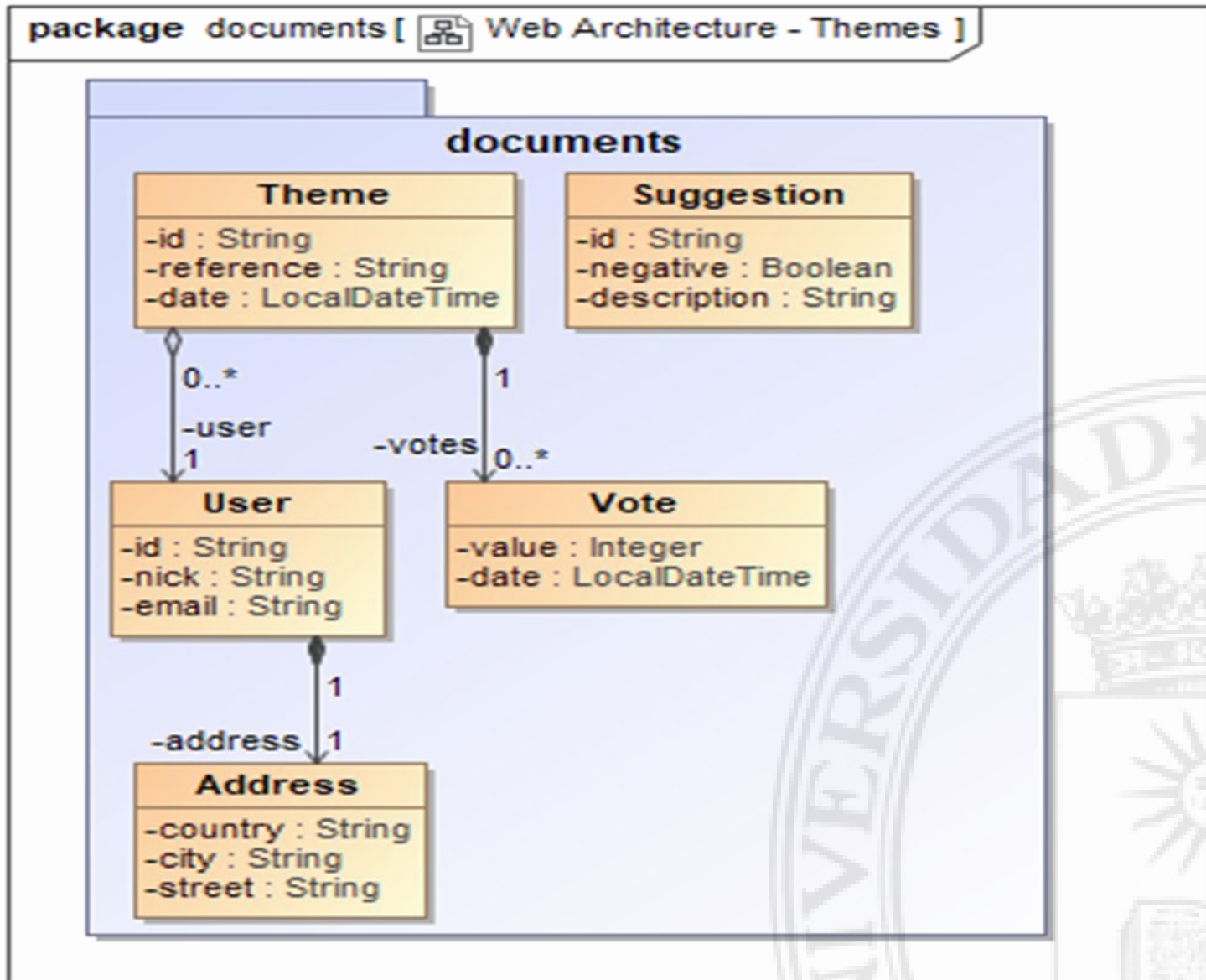
<https://github.com/miw-upm/apaw-ep-themes>

Práctica APAW Themes

- Referente práctico de desarrollo evolutivo de un API Rest mediante metodología Scrum, en dos variantes arquitectónicas: por *capas* o por *recursos*
- Ecosistema:
 - *Java, Spring, MongoDB, Maven, IntelliJ, GitHub, Travis-CI, Sobarcloud, Better Code Hub y Heroku*
- Flujo de trabajo ramificado (Git Workflow)



Database



Proyecto de gestión

Curso 2019-20. APAW. Themes

Updated now

Desarrollo evolutivo de un API Rest mediante metodología Scrum, en dos variantes arquitectónicas: por capas o por recursos

Ecosistema: Java, Spring, MongoDB, Maven, IntelliJ, GitHub, Travis-CI, Sobarccloud, Better Code Hub y Heroku

Flujo de trabajo ramificado (Git Workflow)

LabelsMilestones

2 Open0 Closed

Ecosystem

Due by October 04, 2019Last updated less than a minute ago

Preparar el proyecto de gestión y el ecosistema

EP. Continua

Due by October 17, 2019Last updated about 4 hours ago

Entrega de práctica por evaluación continua

miw-upm / apaw-ep-themes > Projects > Curso 2019-20. APAW. Themes

Filter cards

Add cardsExit fullscreenMenu

StoryBacklogIn progressDone

26 Done

POST /suggestions

#4 opened by miw-upm

1h :15m Arch. layers points: 1

type: enhancement

EP. Continua

Prepare Scrum Project

points: 0.2	Estimation: 10 minutes	type: bug	Something isn't working
points: 0.5	Estimation: 30 minutes	type: documentation	Documentation
points: 1	Estimation: 1 hour	type: enhancement	New feature or request
points: 2	Estimation: 2 hours	type: refactoring	Refactoring
points: 3	Estimation: 3 hours	type: release	Release
points: 5	Estimation: 5 hours	type: test	Test

0h	Consumed
1h	Consumed
2h	Consumed
3h	Consumed
4h	Consumed
5h	Consumed
:15m	Consumed: 15 minutes
:30m	Consumed: 30 minutes
:45m	Consumed: 45 minutes

Arch. layers

layers architecture

Arch. resources

Resources architecture

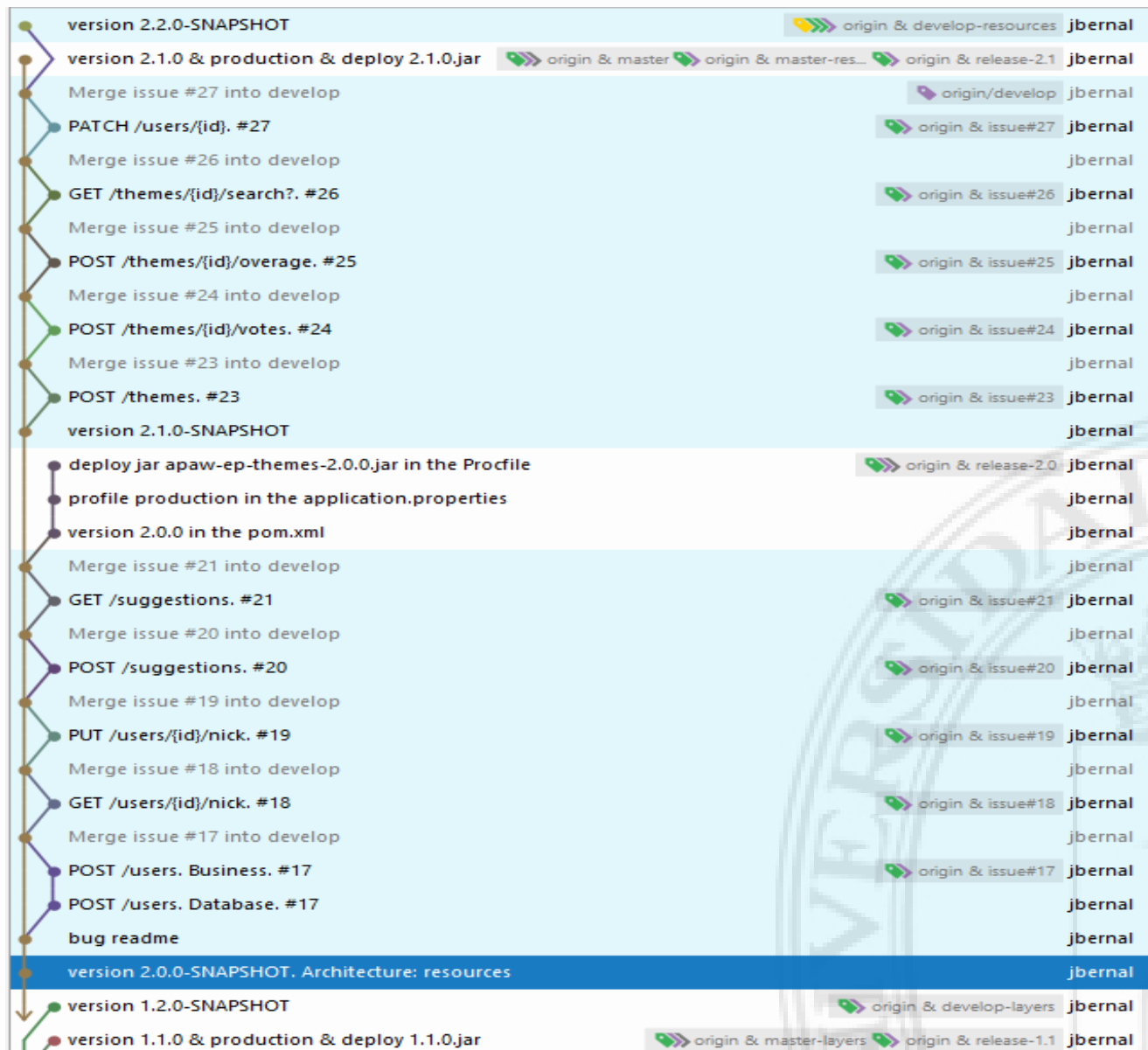
error

Workflow error

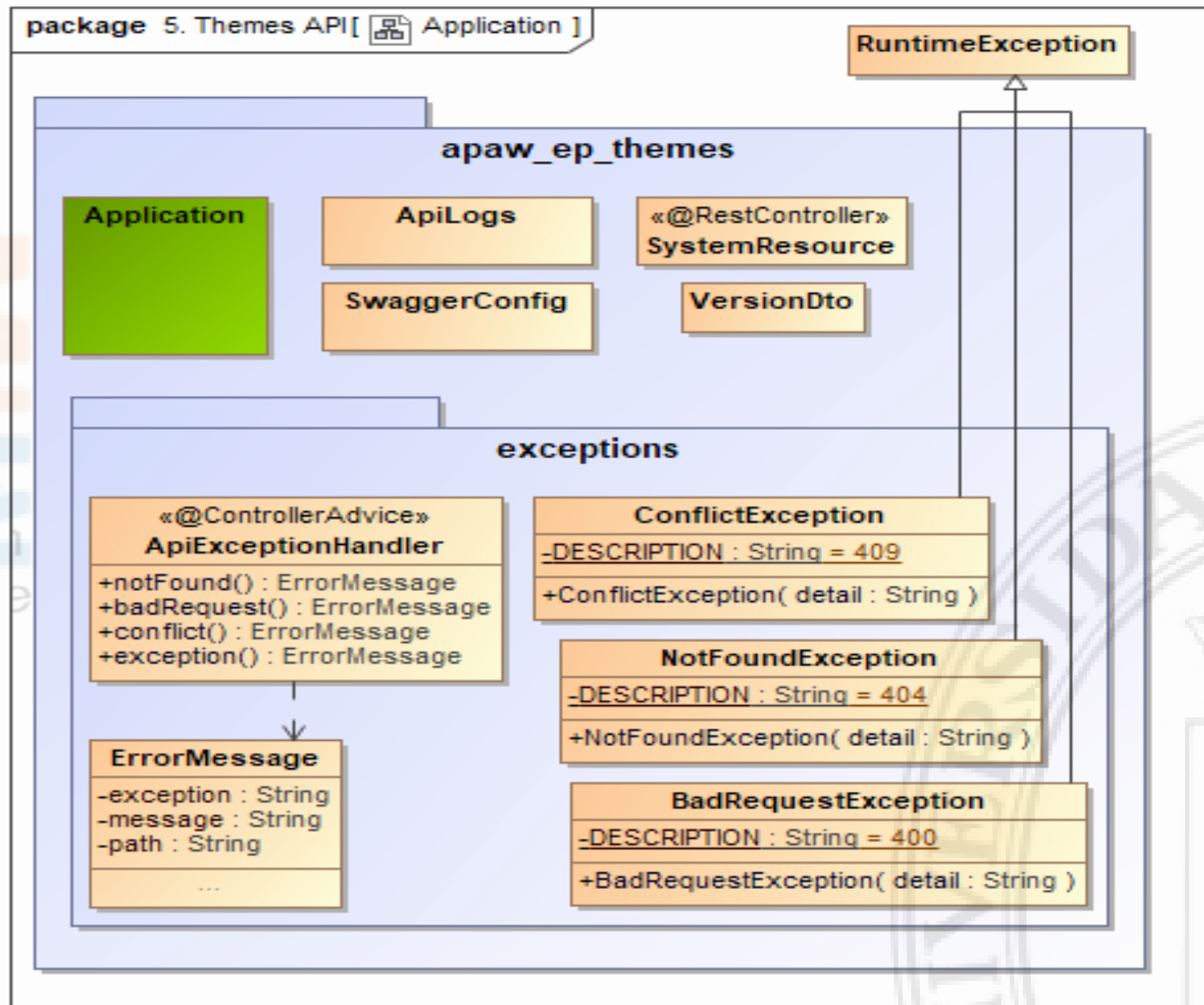
Issues

<input type="checkbox"/> POST /users 1h :30m Arch. resources points: 1 type: enhancement #17 by miw-upm was closed yesterday EP. Continua	<input type="checkbox"/> POST /suggestions 1h :15m Arch. layers points: 1 type: enhancement #4 by miw-upm was closed 3 days ago EP. Continua
<input type="checkbox"/> GET /users/{id}/nick 0h :30m Arch. resources points: 0.5 type: enhancement #18 by miw-upm was closed yesterday EP. Continua	<input type="checkbox"/> GET /suggestions 0h :15m Arch. layers points: 0.5 type: enhancement #5 by miw-upm was closed 3 days ago EP. Continua
<input type="checkbox"/> PUT /users/{id}/nick 0h :30m Arch. resources points: 0.5 type: enhancement #19 by miw-upm was closed yesterday EP. Continua	<input type="checkbox"/> POST /users 1h :30m Arch. layers points: 1 type: enhancement #6 by miw-upm was closed 2 days ago EP. Continua
<input type="checkbox"/> POST /suggestions 1h Arch. resources points: 1 type: enhancement #20 by miw-upm was closed yesterday EP. Continua	<input type="checkbox"/> GET /users/{id}/nick 0h :30m Arch. layers points: 0.5 type: enhancement #7 by miw-upm was closed 2 days ago EP. Continua
<input type="checkbox"/> GET /suggestions 0h :30m Arch. resources points: 0.5 type: enhancement #21 by miw-upm was closed yesterday EP. Continua	<input type="checkbox"/> PATCH /users/{id} 1h Arch. layers points: 1 type: enhancement #8 by miw-upm was closed 2 days ago EP. Continua
<input type="checkbox"/> Release-2.0.0 0h :15m Arch. resources points: 0.2 type: release #22 by miw-upm was closed yesterday EP. Continua	<input type="checkbox"/> POST /themes 0h :30m Arch. layers points: 1 type: enhancement #9 by miw-upm was closed 2 days ago EP. Continua
<input type="checkbox"/> POST /themes 0h :30m Arch. resources points: 1 type: enhancement #23 by miw-upm was closed yesterday EP. Continua	<input type="checkbox"/> POST /themes/{id}/votes 0h :30m Arch. layers points: 0.5 type: enhancement #10 by miw-upm was closed 2 days ago EP. Continua
<input type="checkbox"/> POST /themes/{id}/votes 0h :30m Arch. resources points: 0.5 type: enhancement #24 by miw-upm was closed yesterday EP. Continua	<input type="checkbox"/> GET /themes/{id}/overage 0h :30m Arch. layers points: 0.5 type: enhancement #11 by miw-upm was closed 2 days ago EP. Continua
<input type="checkbox"/> GET /themes/{id}/overage 0h :30m Arch. resources points: 0.5 type: enhancement #25 by miw-upm was closed 23 hours ago EP. Continua	<input type="checkbox"/> GET /themes/search?q=average:>=3 2h Arch. layers points: 1 type: enhancement #12 by miw-upm was closed yesterday EP. Continua
<input type="checkbox"/> GET /themes/search? 2h Arch. resources points: 1 type: enhancement #26 by miw-upm was closed 23 hours ago EP. Continua	<input type="checkbox"/> PUT /users/{id}/nick 0h :30m Arch. layers points: 0.5 type: enhancement #13 by miw-upm was closed yesterday EP. Continua
<input type="checkbox"/> PATCH /users/{id} 1h Arch. resources points: 1 type: enhancement #27 by miw-upm was closed 22 hours ago EP. Continua	<input type="checkbox"/> Release-1.0.0 :15m Arch. layers points: 0.2 type: release #14 by miw-upm was closed 2 days ago EP. Continua
<input type="checkbox"/> Release-2.1.0 0h :15m Arch. resources points: 0.2 type: release #28 by miw-upm was closed 2 hours ago EP. Continua	<input type="checkbox"/> Release-1.1.0 0h :15m Arch. layers points: 0.2 type: release #16 by miw-upm was closed yesterday EP. Continua

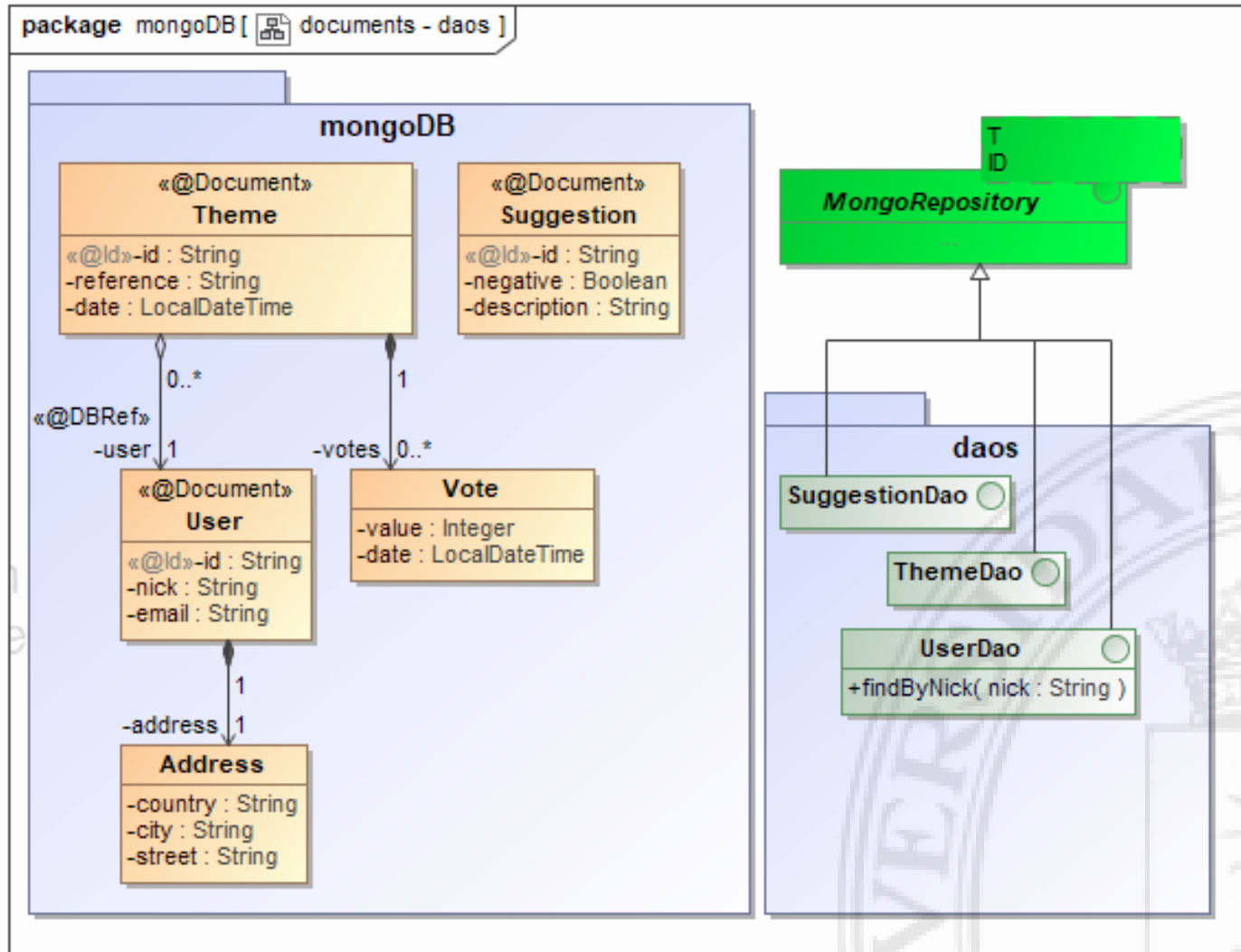
Git Workflow



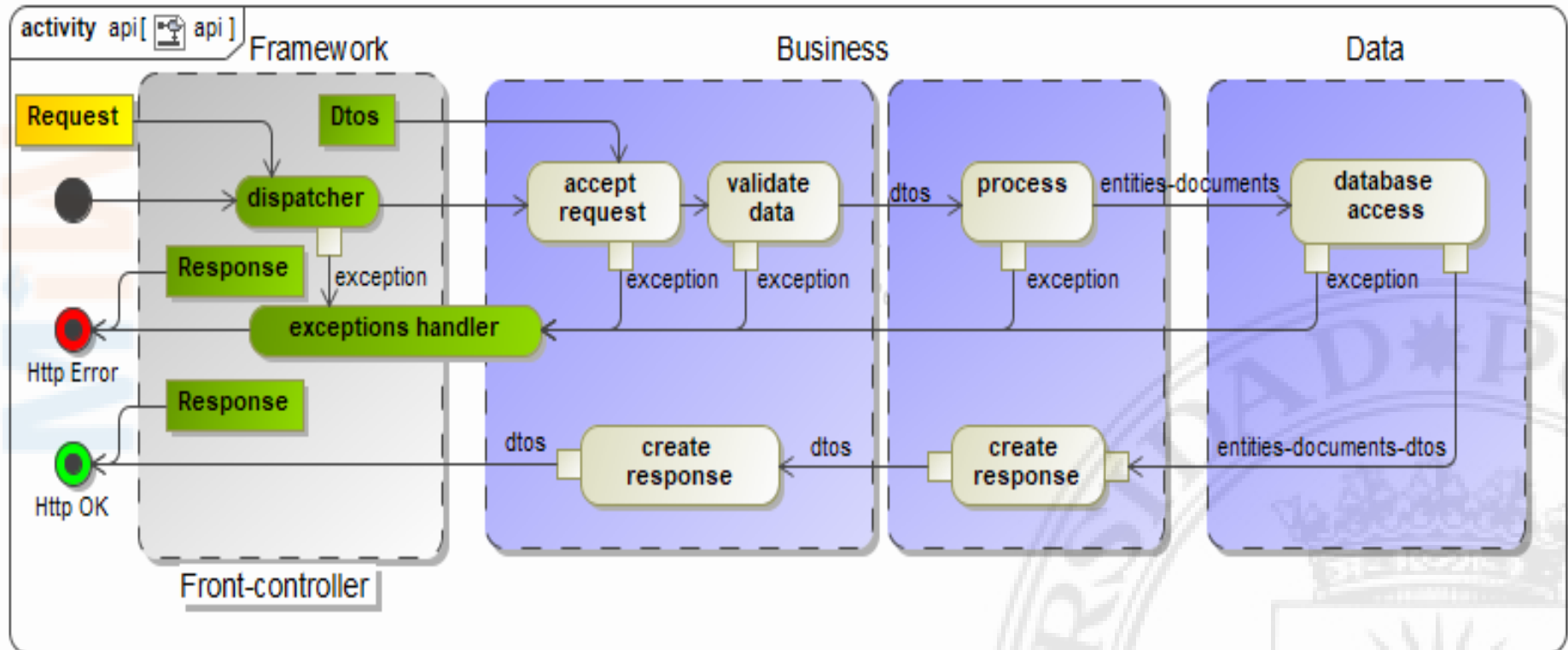
Aplicación - plantilla



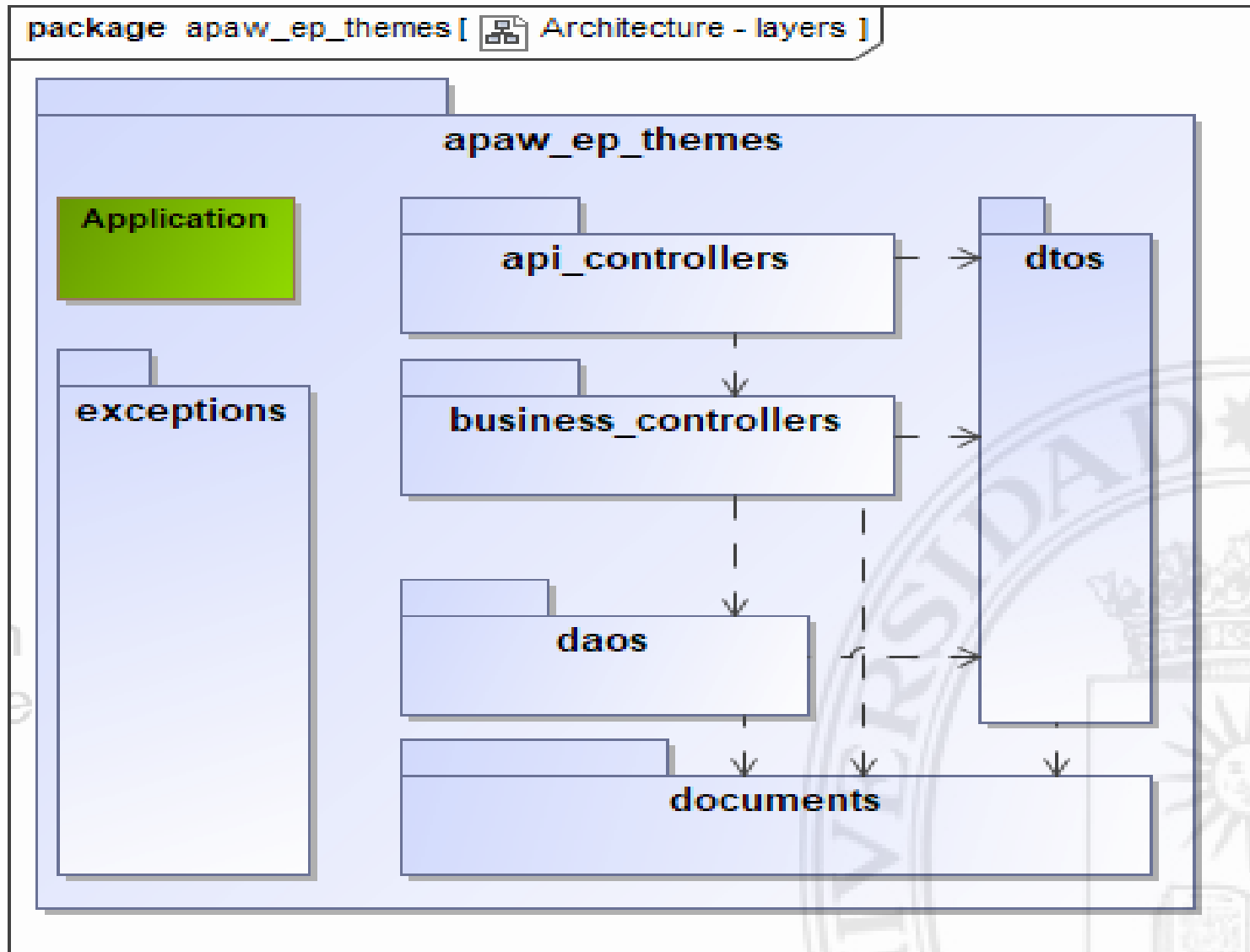
Database



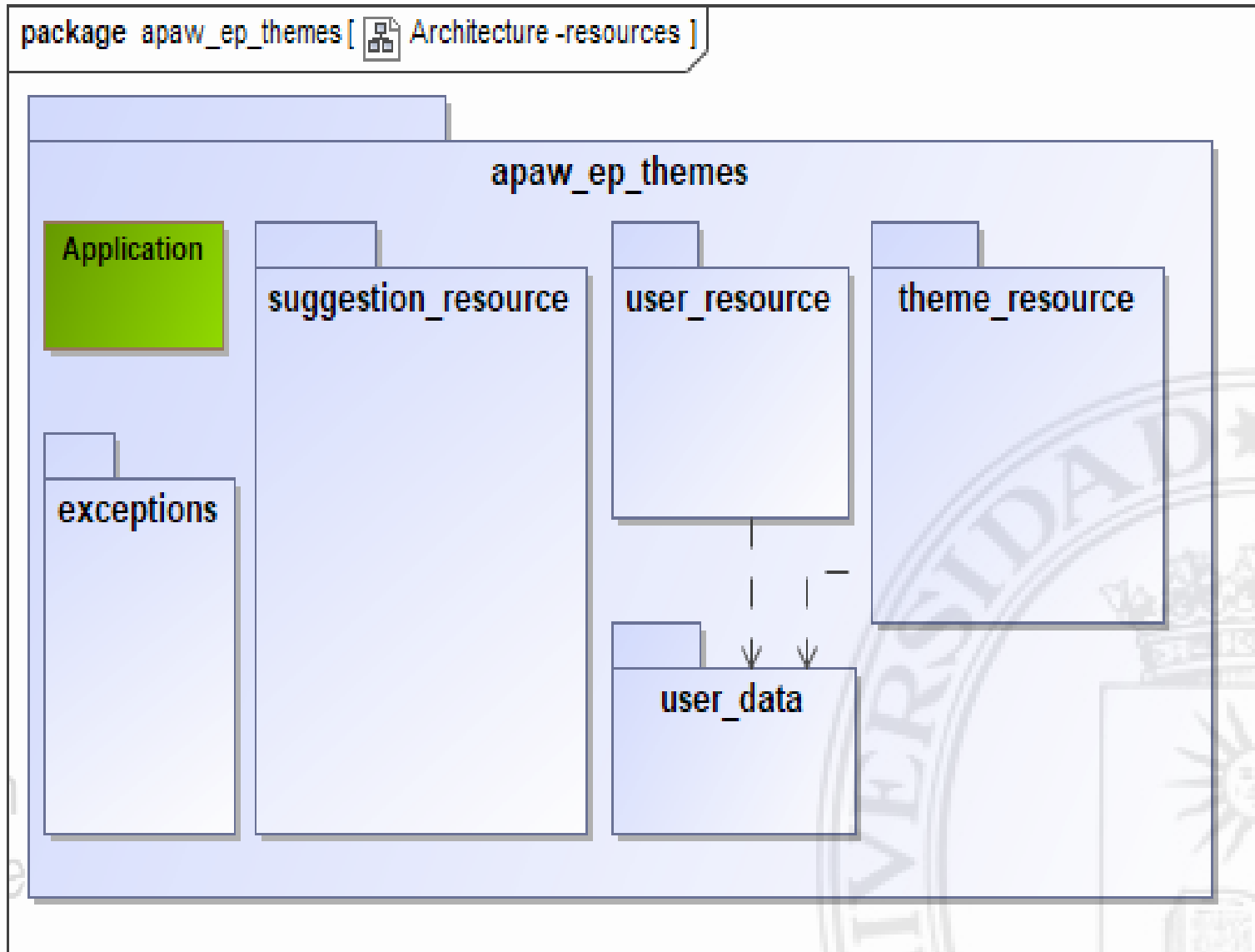
API Rest. Flujo de datos



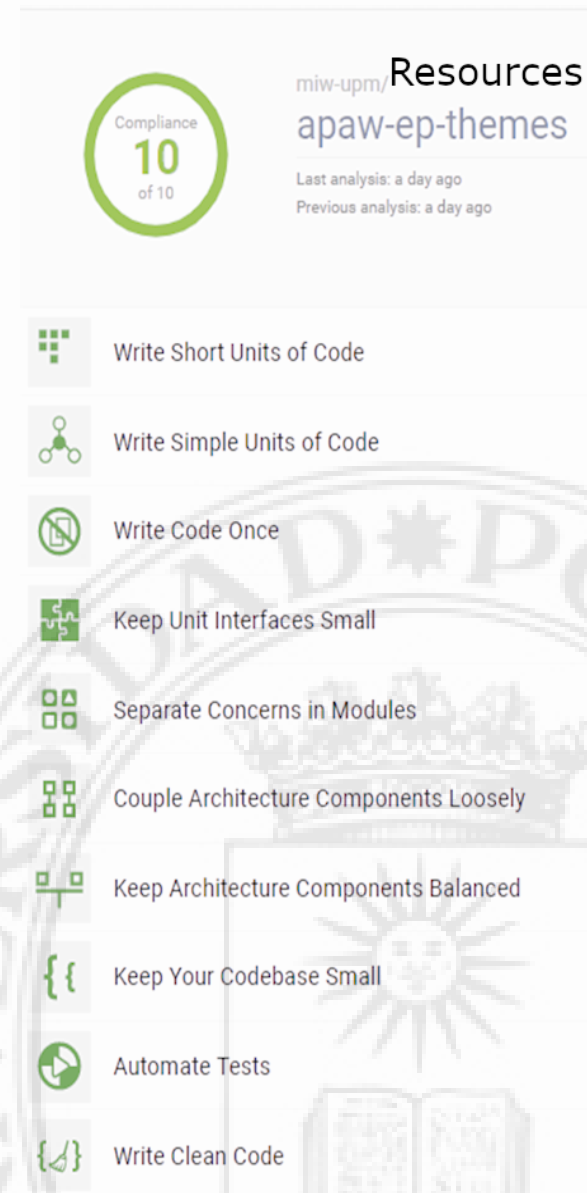
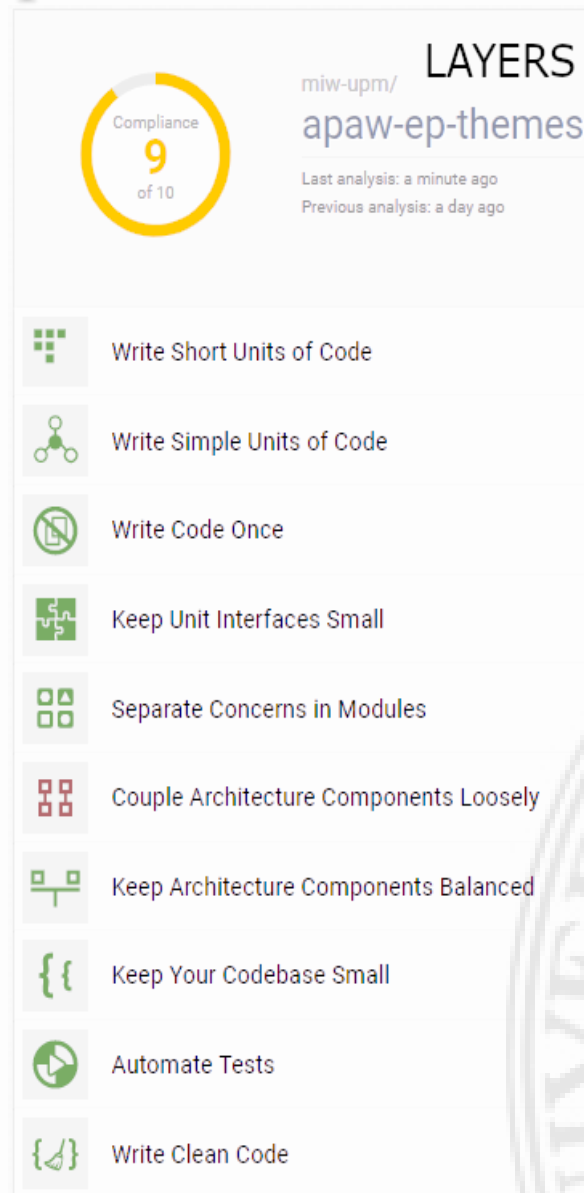
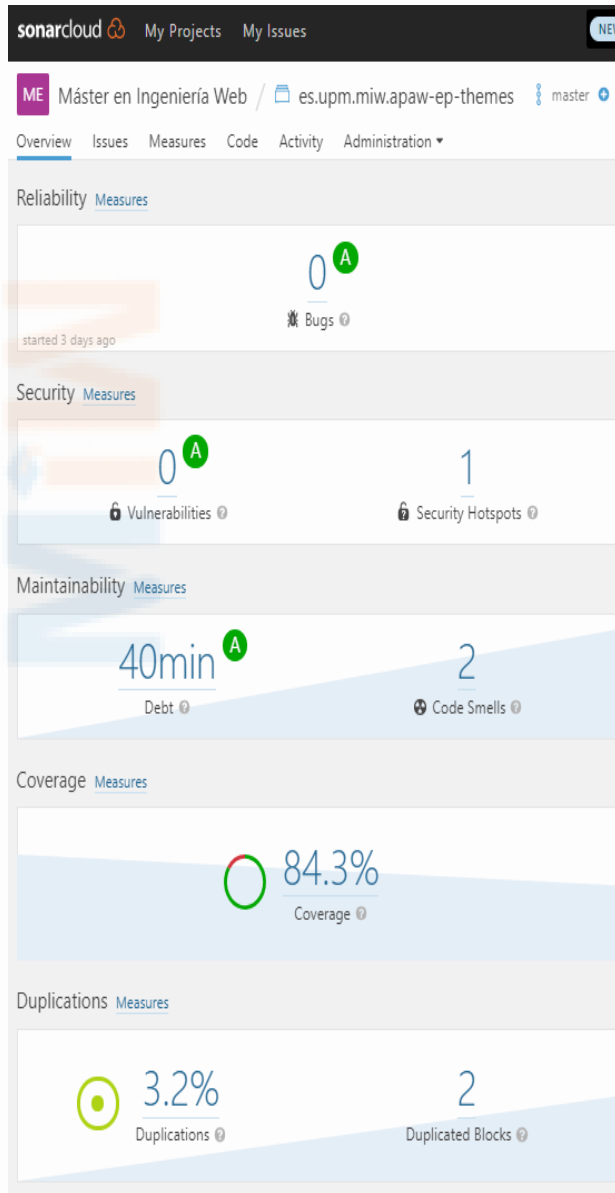
Arquitectura: capas



Arquitectura: recursos



Arquitectura: recursos



API Rest. Swagger

The screenshot shows the Swagger UI for the MIW API. The browser address bar indicates the URL is `localhost:8080/swagger-ui.html#/user-...`. The Swagger UI header shows the title "swagger" and a dropdown menu for "Select a spec" with "default" selected.

MIW. Universidad Politécnica de Madrid

[Base URL: localhost:8080/]
<http://localhost:8080/v2/api-docs>

APAW. API Themes, Java-Spring-MongoDB. <https://github.com/miw-upm/apaw-api-themes>

suggestion-resource Suggestion Resource

- GET** `/suggestions` readAll
- POST** `/suggestions` create

theme-resource Theme Resource

- POST** `/themes` create
- GET** `/themes/{id}/overage` readAverage
- POST** `/themes/{id}/votes` createVote
- GET** `/themes/search` find

user-resource User Resource

- POST** `/users` create
- PATCH** `/users/{id}` patch
- GET** `/users/{id}/nick` readNick
- PUT** `/users/{id}/nick` updateNick

Models