Arquitectura y Patrones para Aplicaciones Web

Proyecto Themes

Arquitectura: Layers VS Resources

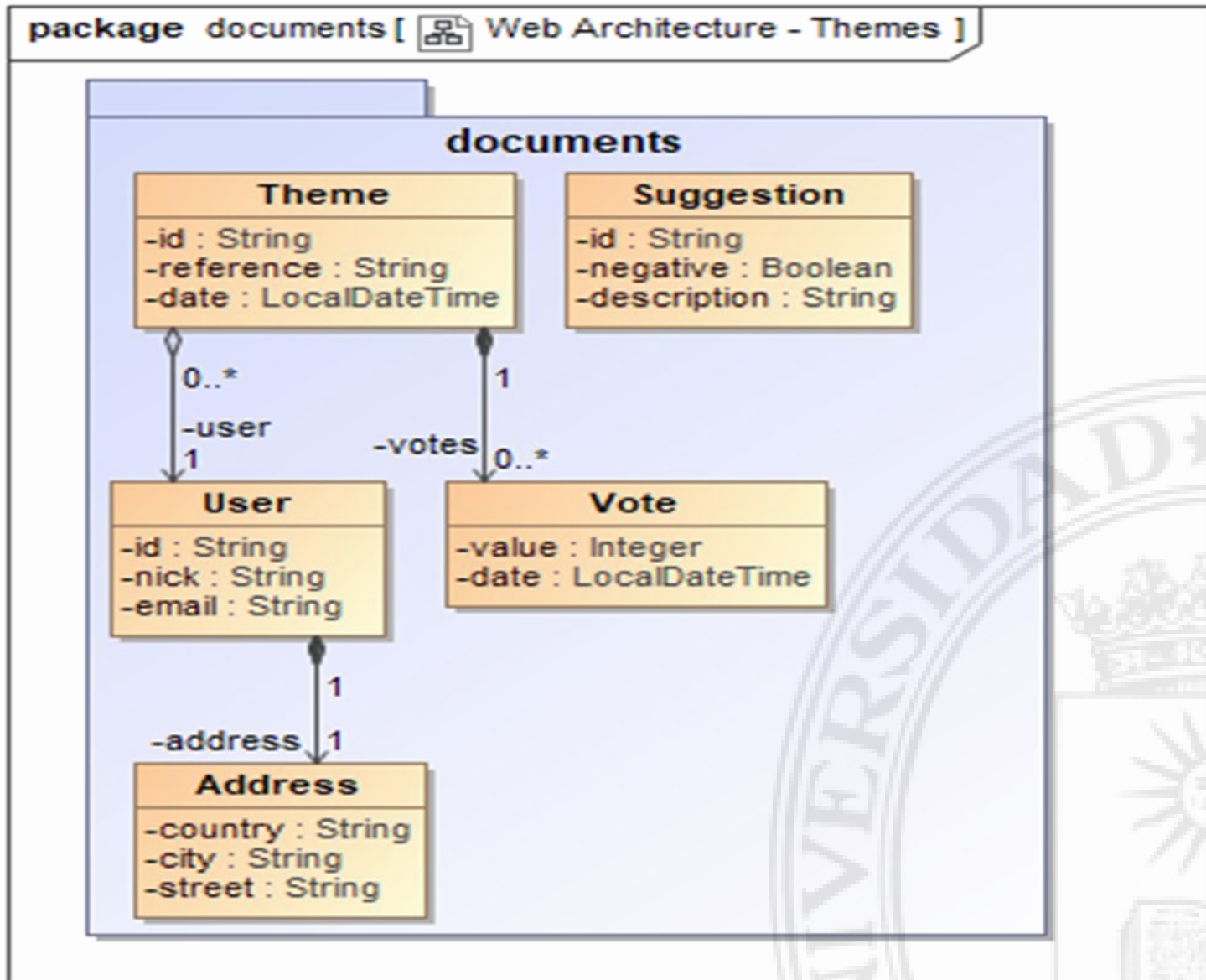https://github.com/miw-upm/apaw-ep-themes

Jesús Bernal Bermúdez

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

Issues

POST /users `1h` `:30m` `Arch. resources` `points: 1` `type: enhancement`
#17 by miw-upm was closed yesterday ✝ EP. Continua

GET /users/{id}/nick `0h` `:30m` `Arch. resources` `points: 0.5` `type: enhancement`
#18 by miw-upm was closed yesterday ✝ EP. Continua

PUT /users/{id}/nick `0h` `:30m` `Arch. resources` `points: 0.5` `type: enhancement`
#19 by miw-upm was closed yesterday ✝ EP. Continua

POST /suggestions `1h` `Arch. resources` `points: 1` `type: enhancement`
#20 by miw-upm was closed yesterday ✝ EP. Continua

GET /suggestions `0h` `:30m` `Arch. resources` `points: 0.5` `type: enhancement`
#21 by miw-upm was closed yesterday ✝ EP. Continua

Release-2.0.0 `0h` `:15m` `Arch. resources` `points: 0.2` `type: release`
#22 by miw-upm was closed yesterday ✝ EP. Continua

POST /themes `0h` `:30m` `Arch. resources` `points: 1` `type: enhancement`
#23 by miw-upm was closed yesterday ✝ EP. Continua

POST /themes/{id}/votes `0h` `:30m` `Arch. resources` `points: 0.5` `type: enhancement`
#24 by miw-upm was closed yesterday ✝ EP. Continua

GET /themes/{id}/overage `0h` `:30m` `Arch. resources` `points: 0.5` `type: enhancement`
#25 by miw-upm was closed 23 hours ago ✝ EP. Continua

GET /themes/search? `2h` `Arch. resources` `points: 1` `type: enhancement`
#26 by miw-upm was closed 23 hours ago ✝ EP. Continua

PATCH /users/{id} `1h` `Arch. resources` `points: 1` `type: enhancement`
#27 by miw-upm was closed 22 hours ago ✝ EP. Continua

Release-2.1.0 `0h` `:15m` `Arch. resources` `points: 0.2` `type: release`
#28 by miw-upm was closed 2 hours ago ✝ EP. Continua

POST /suggestions `1h` `:15m` `Arch. layers` `points: 1` `type: enhancement`
#4 by miw-upm was closed 3 days ago ✝ EP. Continua

GET /suggestions `0h` `:15m` `Arch. layers` `points: 0.5` `type: enhancement`
#5 by miw-upm was closed 3 days ago ✝ EP. Continua

POST /users `1h` `:30m` `Arch. layers` `points: 1` `type: enhancement`
#6 by miw-upm was closed 2 days ago ✝ EP. Continua

GET /users/{id}/nick `0h` `:30m` `Arch. layers` `points: 0.5` `type: enhancement`
#7 by miw-upm was closed 2 days ago ✝ EP. Continua

PATCH /users/{id} `1h` `Arch. layers` `points: 1` `type: enhancement`
#8 by miw-upm was closed 2 days ago ✝ EP. Continua

POST /themes `0h` `:30m` `Arch. layers` `points: 1` `type: enhancement`
#9 by miw-upm was closed 2 days ago ✝ EP. Continua

POST /themes/{id}/votes `0h` `:30m` `Arch. layers` `points: 0.5` `type: enhancement`
#10 by miw-upm was closed 2 days ago ✝ EP. Continua

GET /themes/{id}/overage `0h` `:30m` `Arch. layers` `points: 0.5` `type: enhancement`
#11 by miw-upm was closed 2 days ago ✝ EP. Continua

GET /themes/search?q=average:>=3 `2h` `Arch. layers` `points: 1` `type: enhancement`
#12 by miw-upm was closed yesterday ✝ EP. Continua

PUT /users/{id}/nick `0h` `:30m` `Arch. layers` `points: 0.5` `type: enhancement`
#13 by miw-upm was closed yesterday ✝ EP. Continua

Release-1.0.0 `:15m` `Arch. layers` `points: 0.2` `type: release`
#14 by miw-upm was closed 2 days ago ✝ EP. Continua

Release-1.1.0 `0h` `:15m` `Arch. layers` `points: 0.2` `type: release`
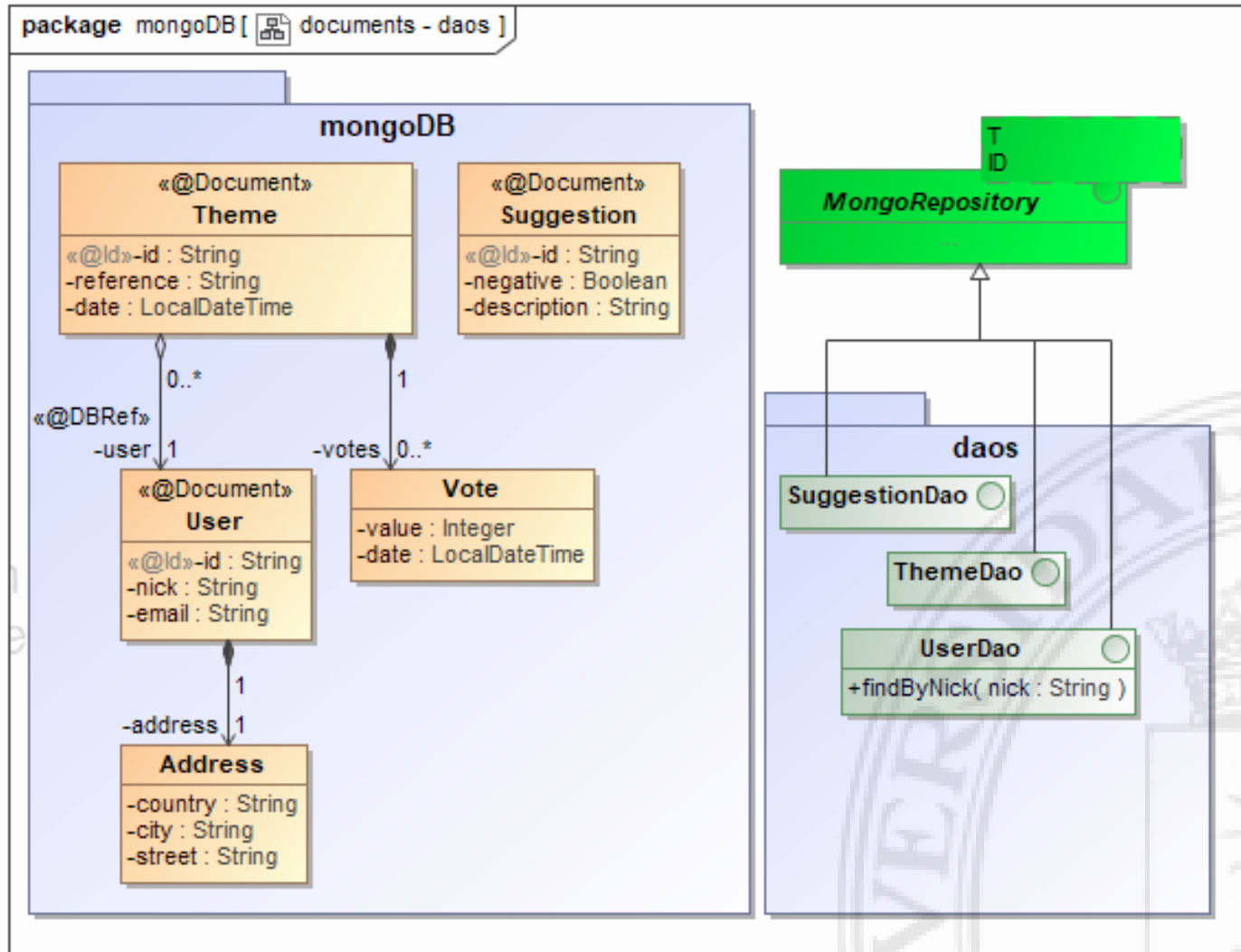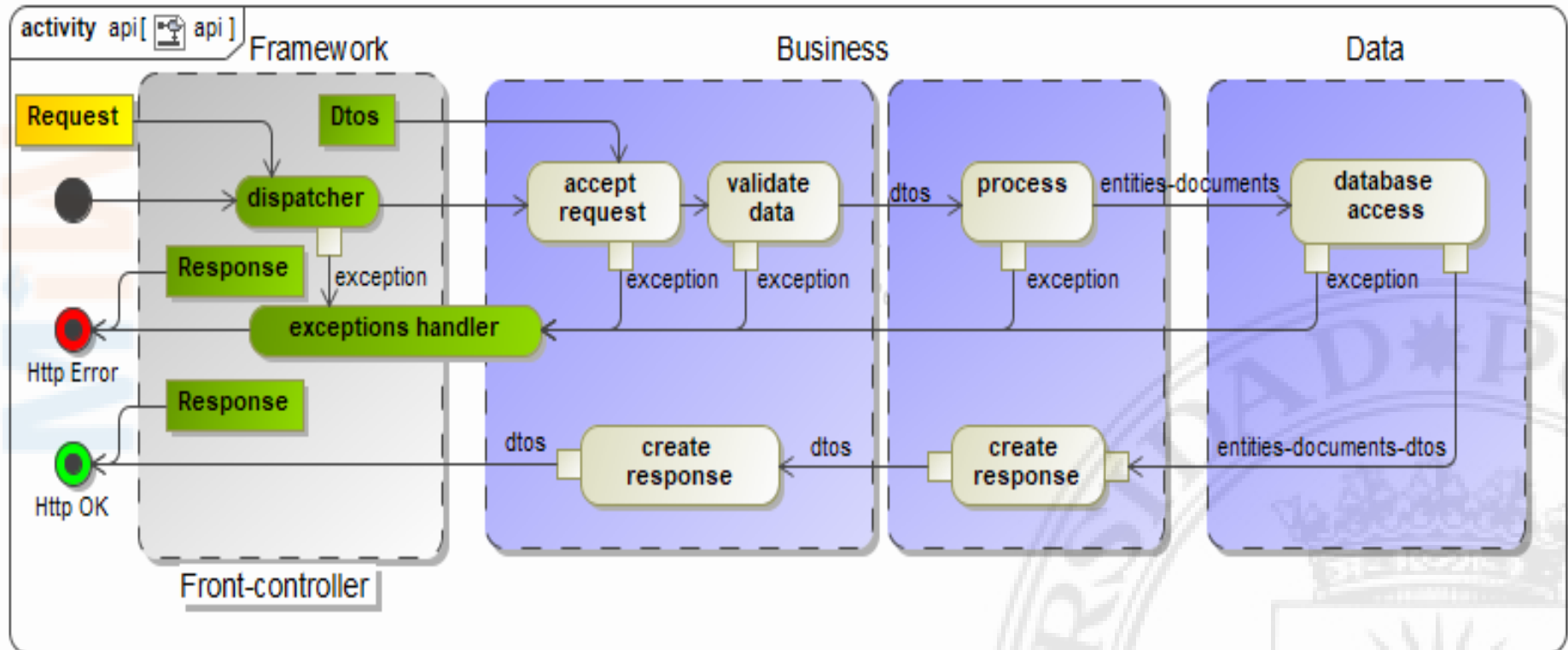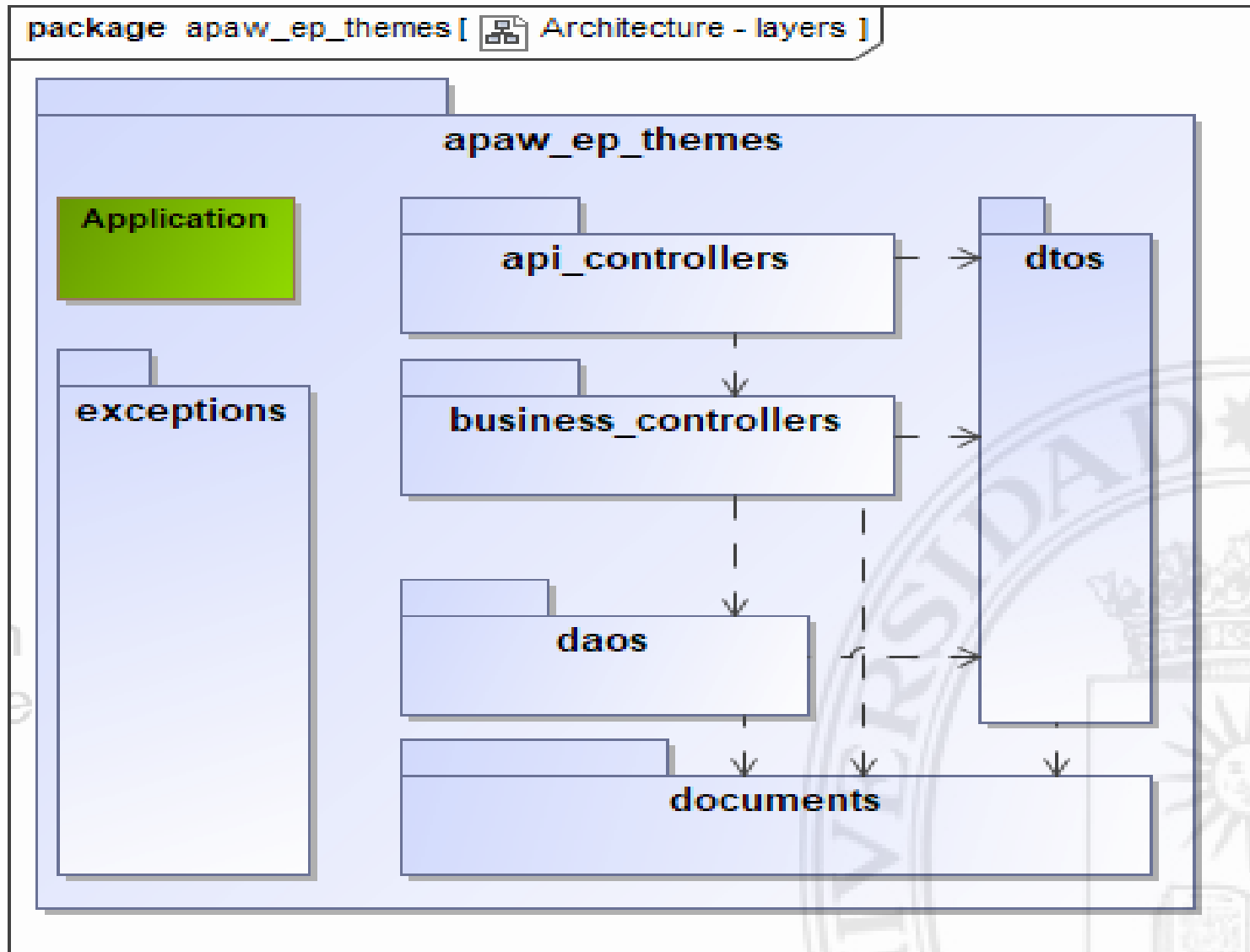#16 by miw-upm was closed yesterday ✝ EP. Continua

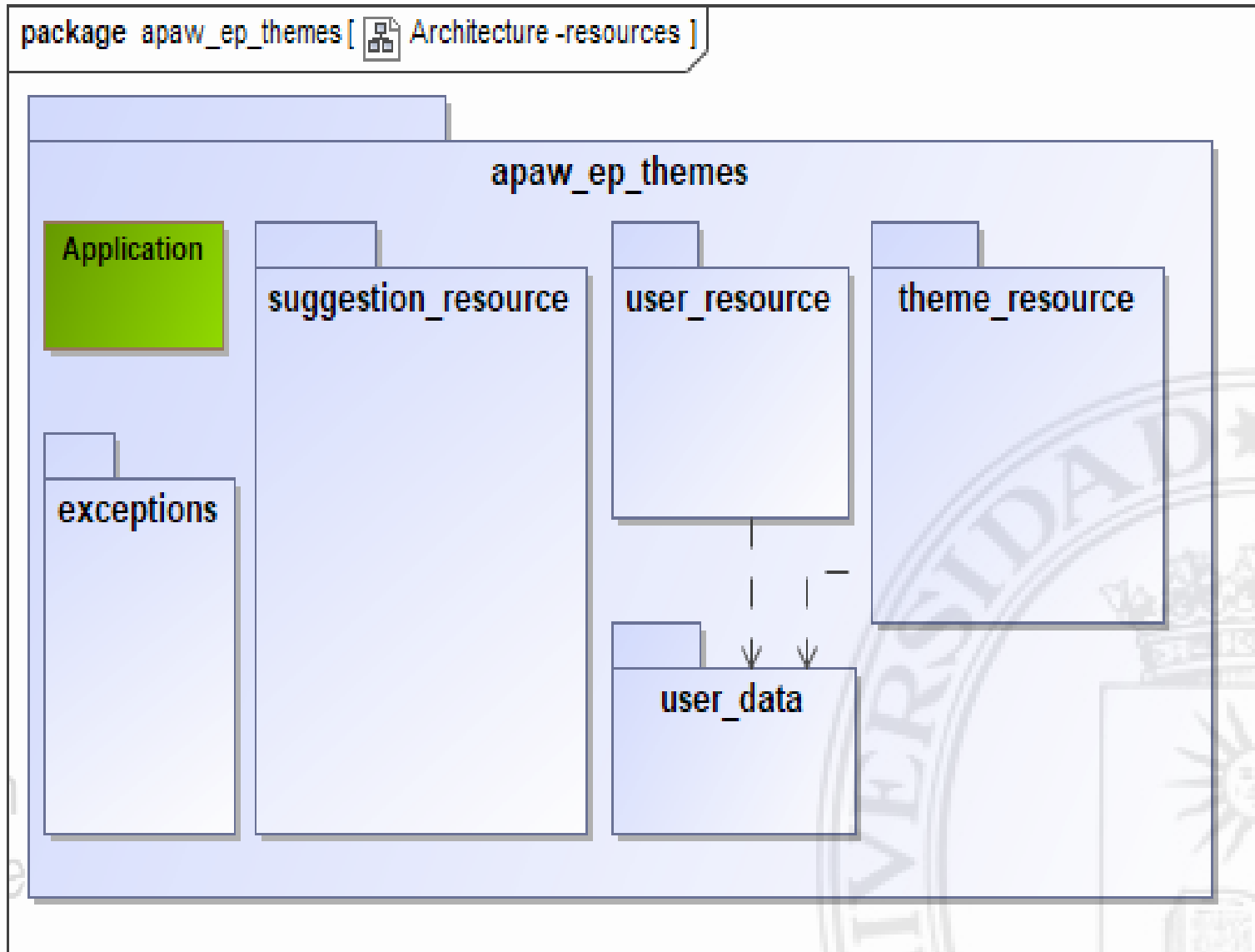# Git Workflow
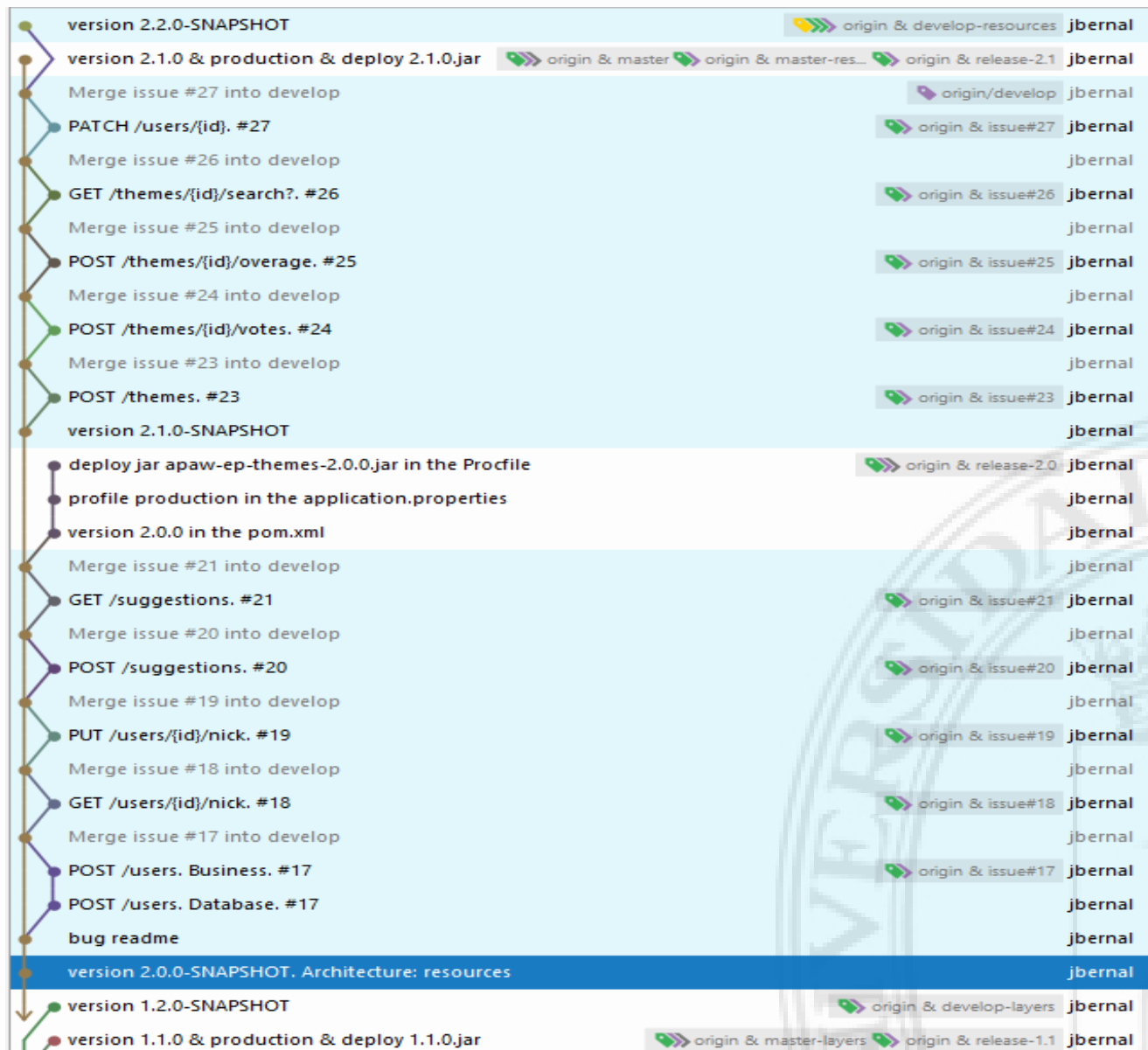
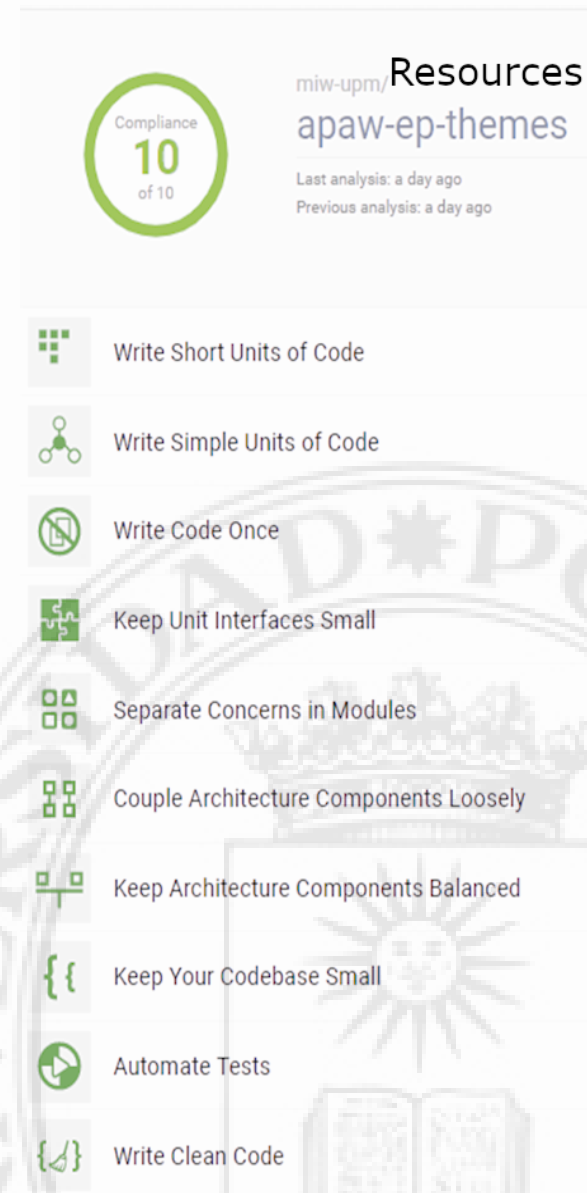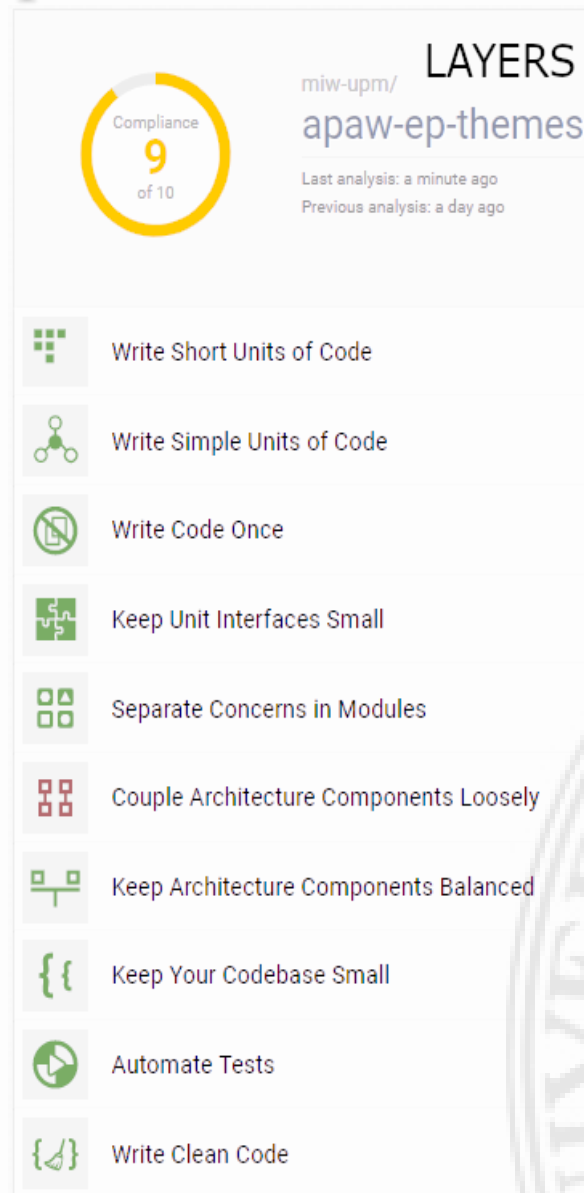# Aplicación - plantilla
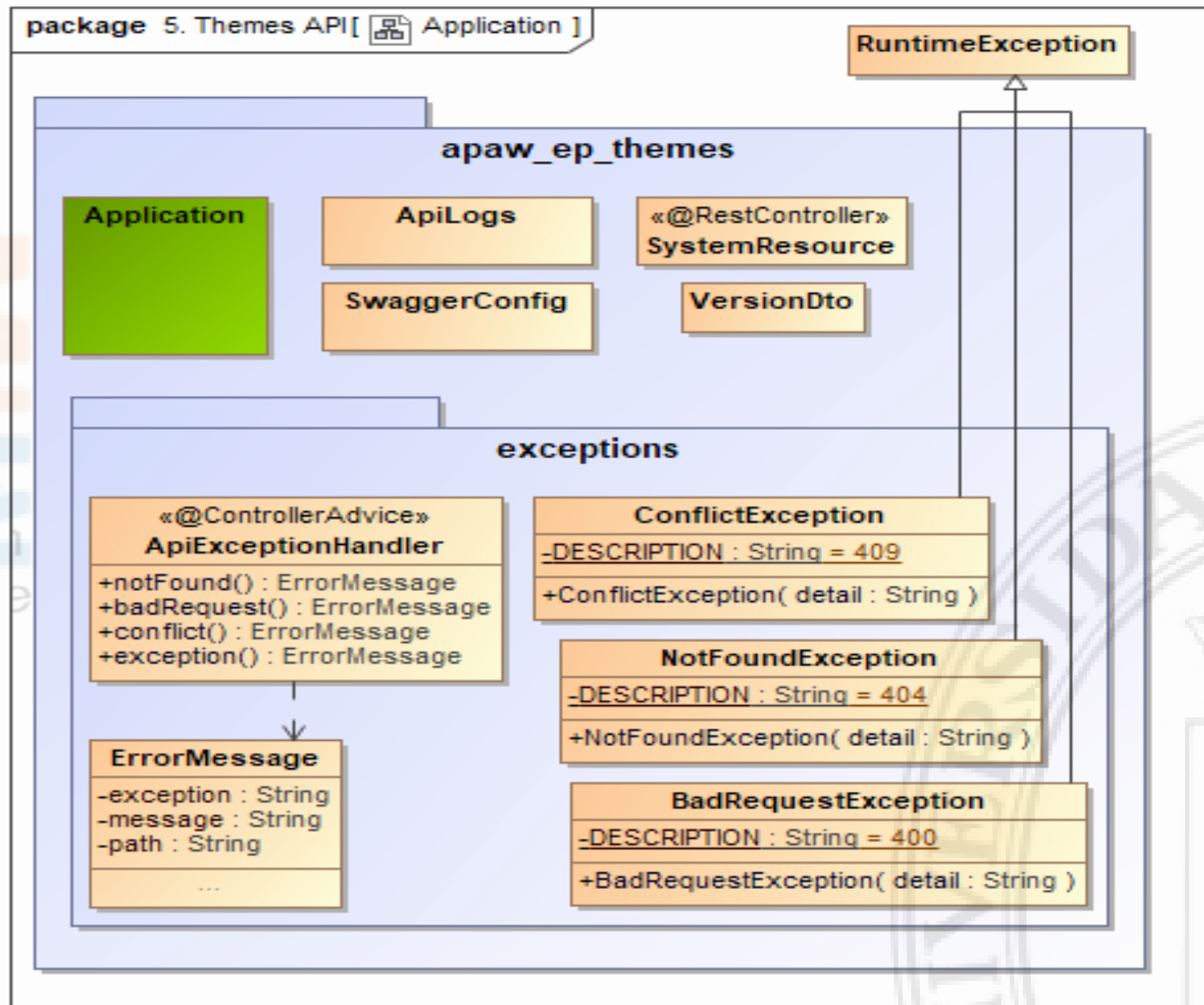
Database

API Rest. Flujo de datos

Arquitectura: capas

Arquitectura: recursos

Arquitectura: recursos

sonarcloud
My Projects My Issues   NEW

ME Máster en Ingeniería Web / es.upm.miw.apaw-ep-themes master ⊕

Overview Issues Measures Code Activity Administration ▾

Reliability Measures

0 A

🐞 Bugs

started 3 days ago

Security Measures

0 A   1

🔒 Vulnerabilities   🔒 Security Hotspots

Maintainability Measures

40min A   2

Debt   ⊙ Code Smells

Coverage Measures

84.3%

Coverage

Duplications Measures

3.2%   2

Duplications   Duplicated Blocks

LAYERS

miw-upm/
apaw-ep-themes

Compliance **9** of 10

Last analysis: a minute ago
Previous analysis: a day ago

- Write Short Units of Code
- Write Simple Units of Code
- Write Code Once
- Keep Unit Interfaces Small
- Separate Concerns in Modules
- Couple Architecture Components Loosely
- Keep Architecture Components Balanced
- Keep Your Codebase Small
- Automate Tests
- Write Clean Code

Resources

miw-upm/
apaw-ep-themes

Compliance **10** of 10

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API Rest. Swagger