



POLITÉCNICA

"Ingeniamos el futuro"

CAMPUS
DE EXCELENCIA
INTERNACIONAL



25/09/2019 •

Arquitectura y Patrones para Aplicaciones Web

Proyecto Themes

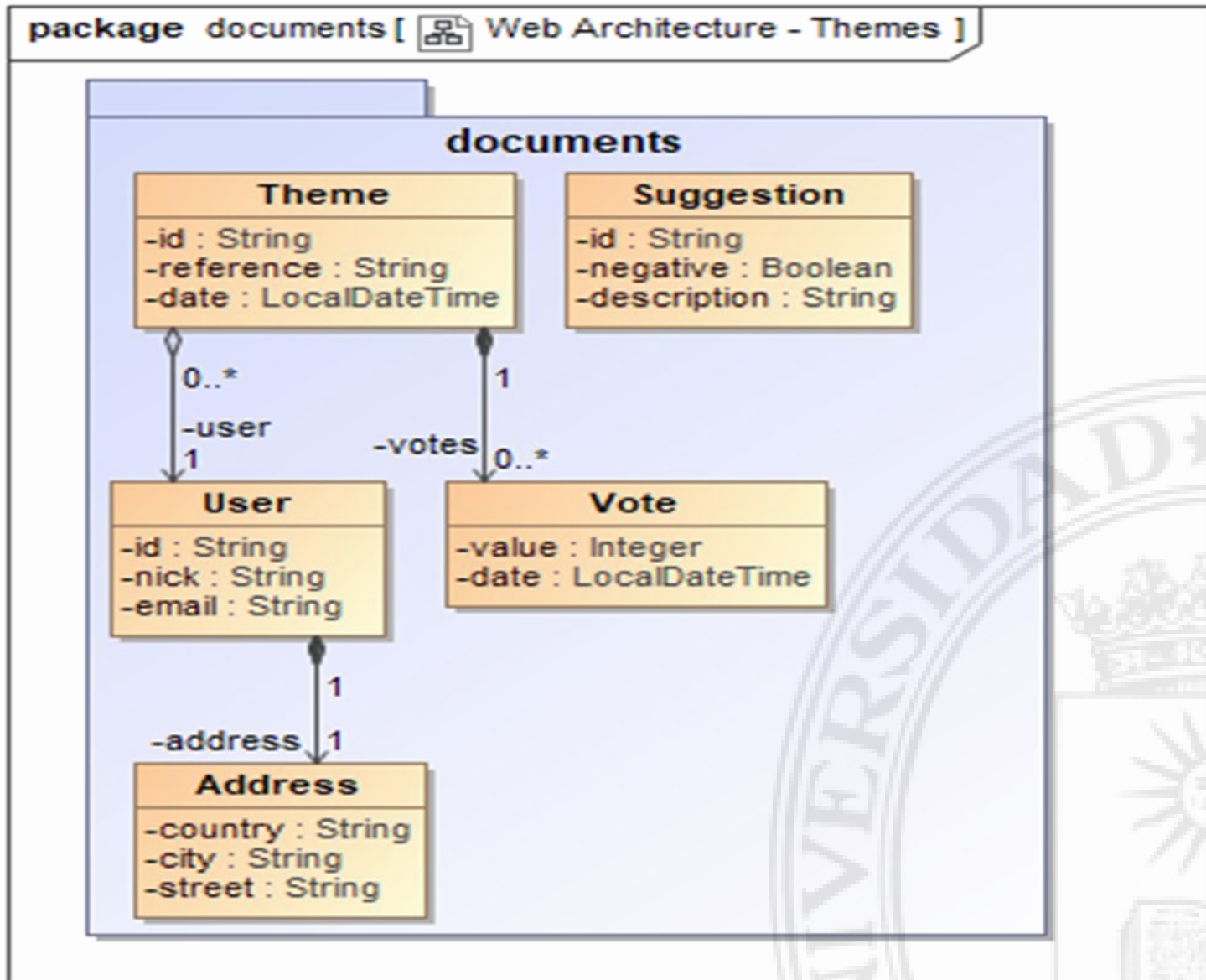
Arquitectura: Layers VS Resources

<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, Sobarcloud, 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

0 Story0 Backlog0 In progress26 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. layerslayers architecture

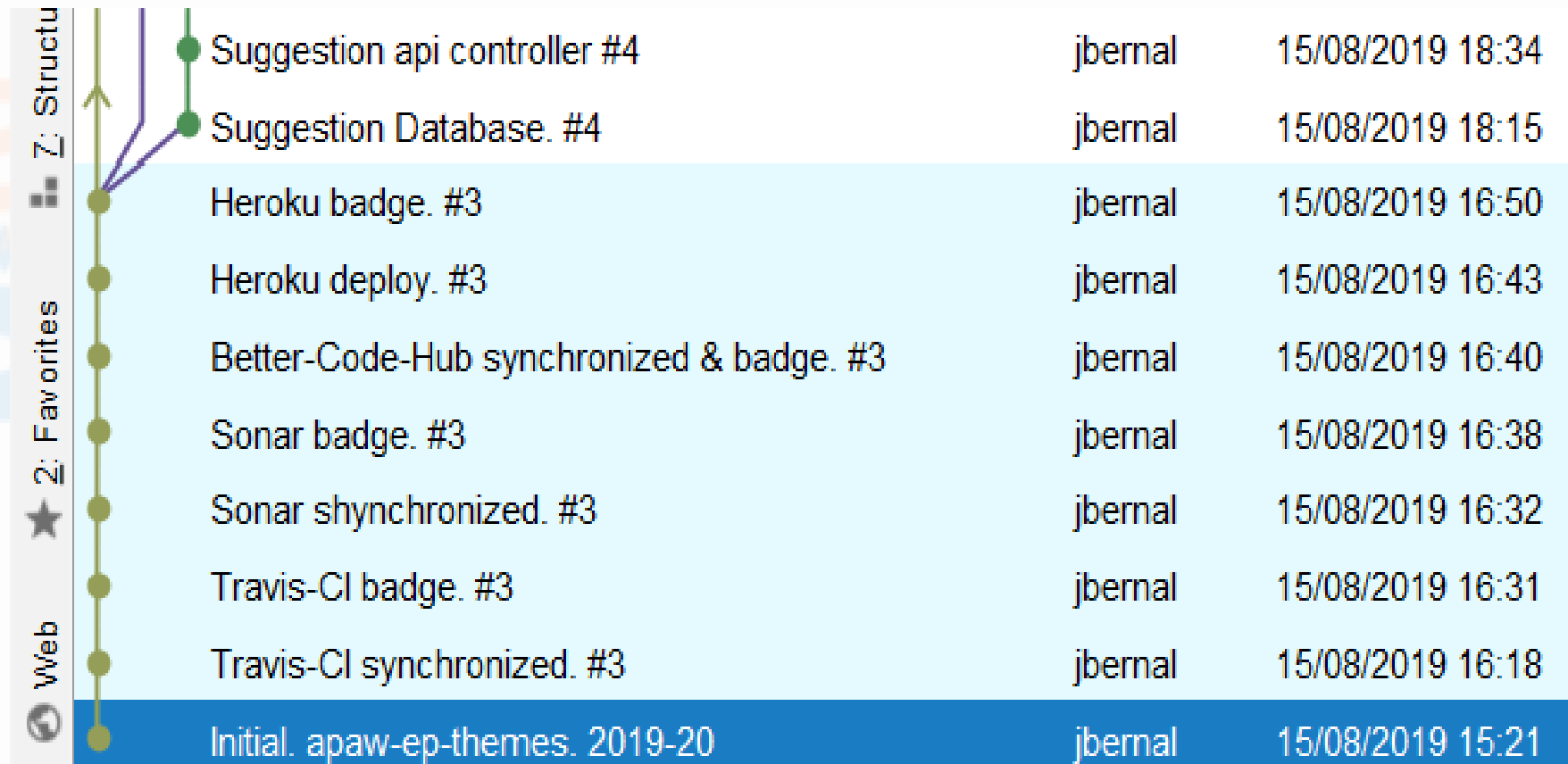
Arch. resourcesResources architecture

errorWorkflow error

Issues

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

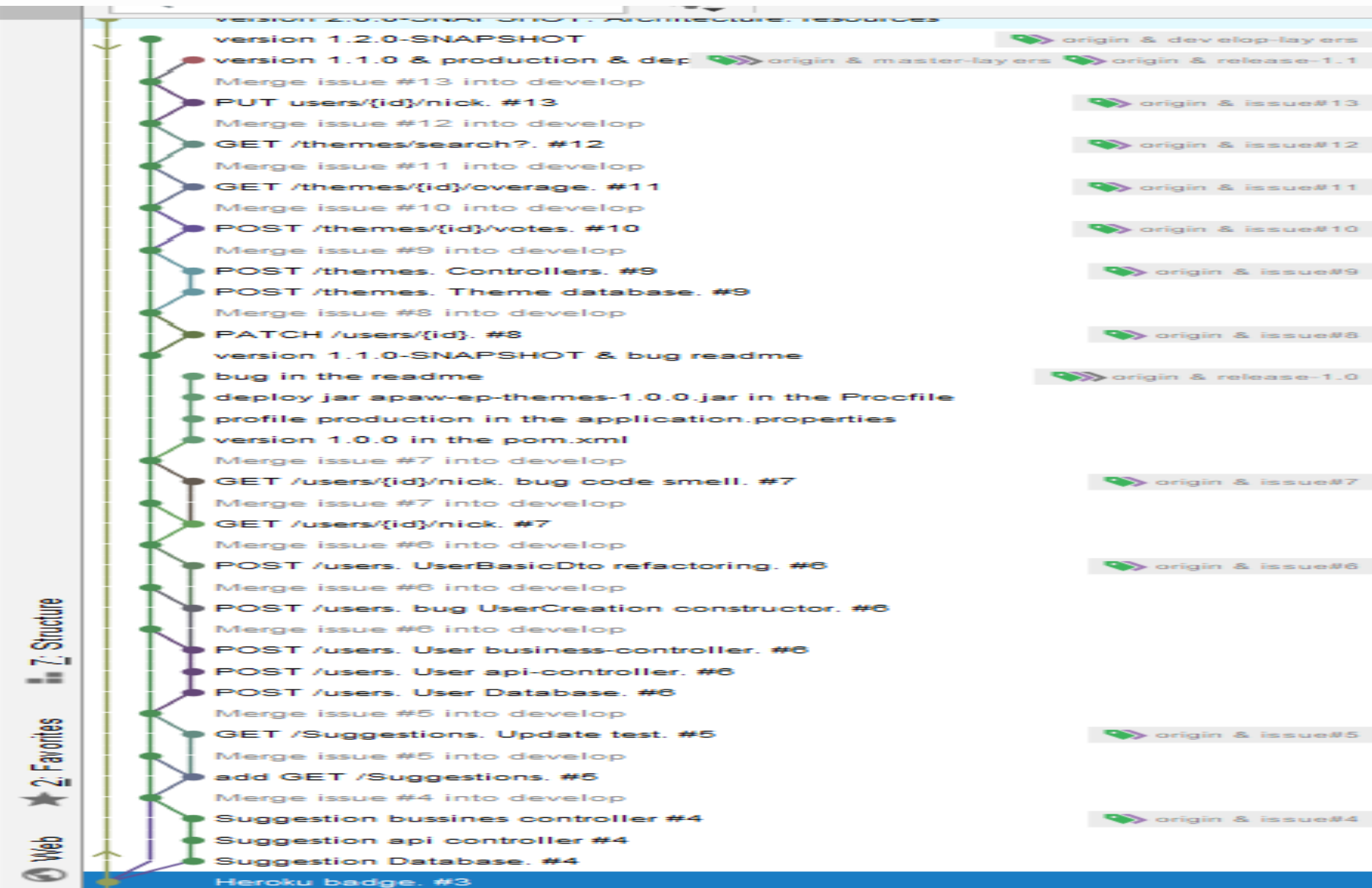
Git Workflow



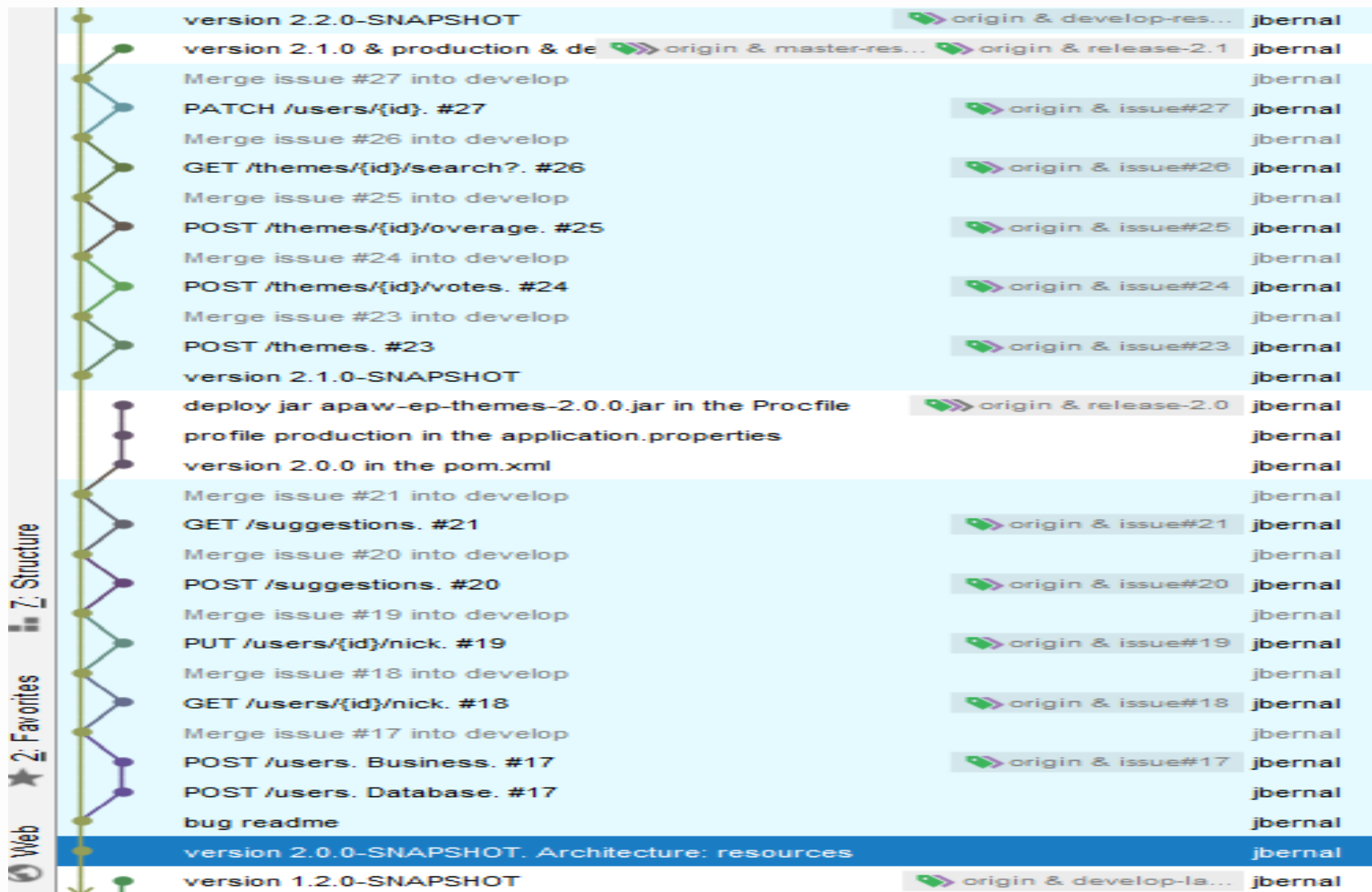
A Git commit history visualization showing a vertical timeline of commits. The left sidebar contains icons for 'Web', 'Favorites', and 'Z: Structu'. The main area displays a list of commits with their messages, authors, and timestamps. The commits are ordered chronologically from bottom to top. The bottom commit, 'Initial. apaw-ep-themes. 2019-20', is highlighted in blue. The commit 'Suggestion api controller #4' is highlighted in green, and 'Suggestion Database. #4' is highlighted in purple. The commit 'Heroku badge. #3' is highlighted in light blue. The commit 'Heroku deploy. #3' is highlighted in light blue. The commit 'Better-Code-Hub synchronized & badge. #3' is highlighted in light blue. The commit 'Sonar badge. #3' is highlighted in light blue. The commit 'Sonar shynchronized. #3' is highlighted in light blue. The commit 'Travis-CI badge. #3' is highlighted in light blue. The commit 'Travis-CI synchronized. #3' is highlighted in light blue.

Suggestion api controller #4	jbernal	15/08/2019 18:34
Suggestion Database. #4	jbernal	15/08/2019 18:15
Heroku badge. #3	jbernal	15/08/2019 16:50
Heroku deploy. #3	jbernal	15/08/2019 16:43
Better-Code-Hub synchronized & badge. #3	jbernal	15/08/2019 16:40
Sonar badge. #3	jbernal	15/08/2019 16:38
Sonar shynchronized. #3	jbernal	15/08/2019 16:32
Travis-CI badge. #3	jbernal	15/08/2019 16:31
Travis-CI synchronized. #3	jbernal	15/08/2019 16:18
Initial. apaw-ep-themes. 2019-20	jbernal	15/08/2019 15:21

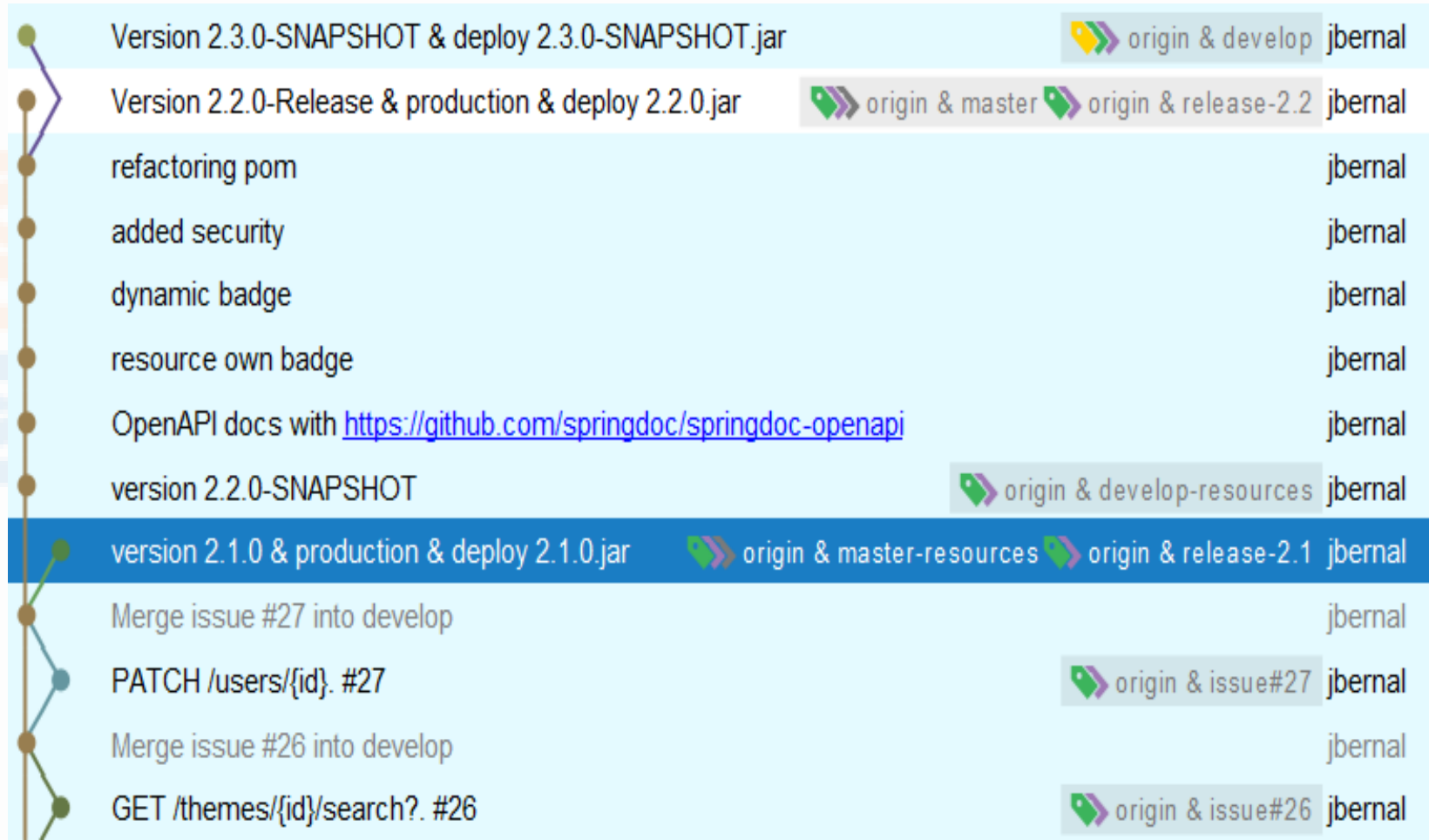
Git Workflow



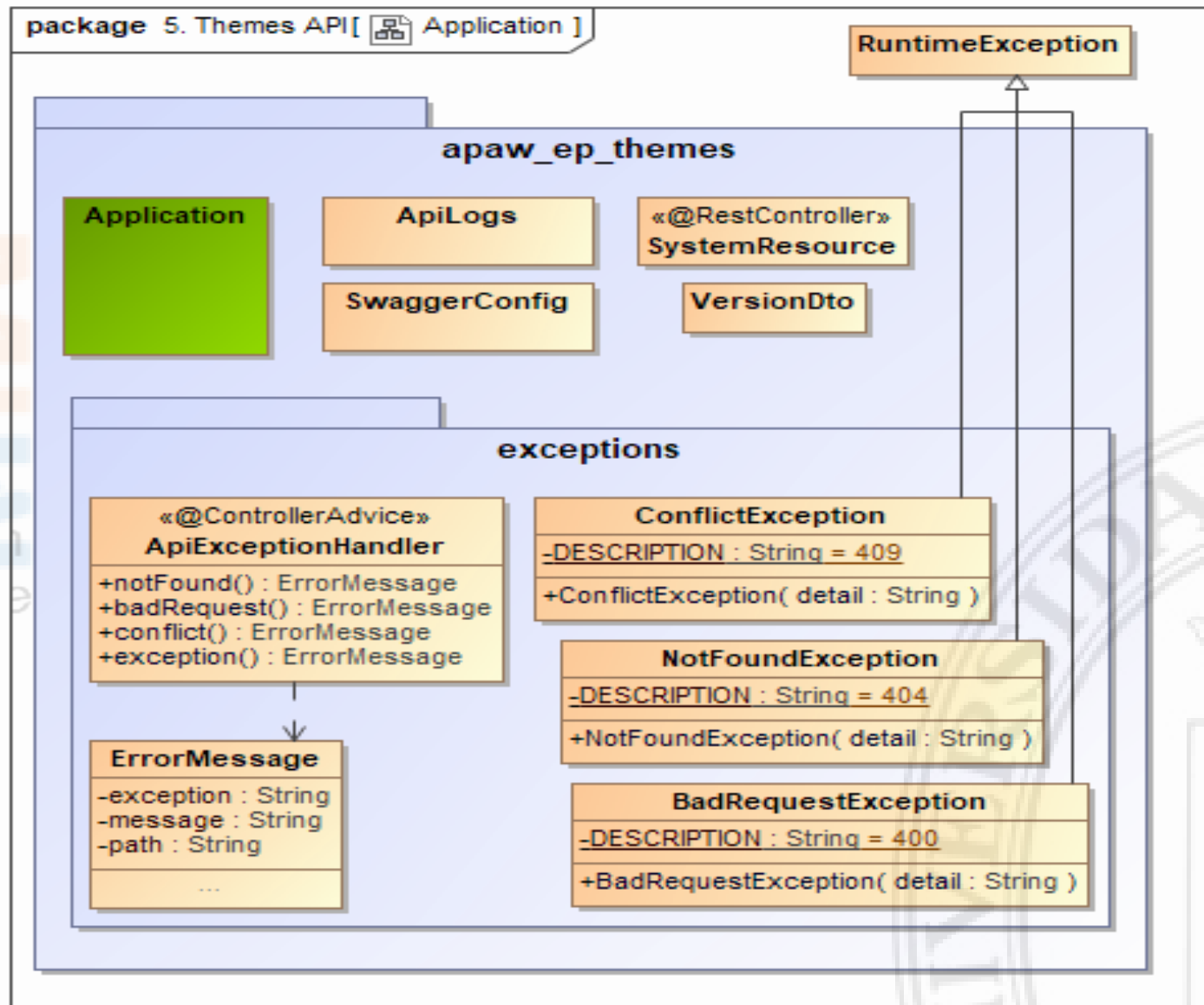
Git Workflow



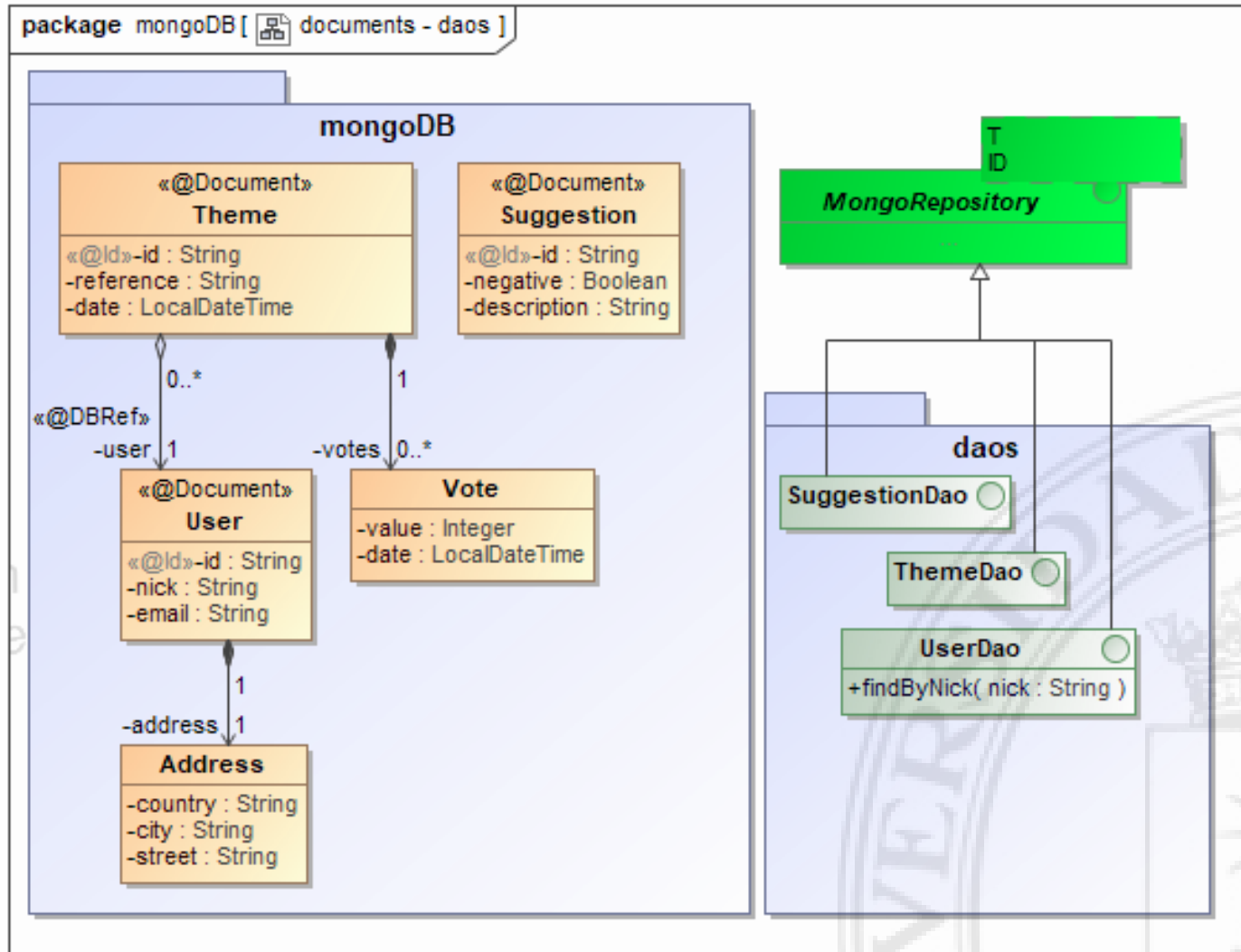
Git Workflow



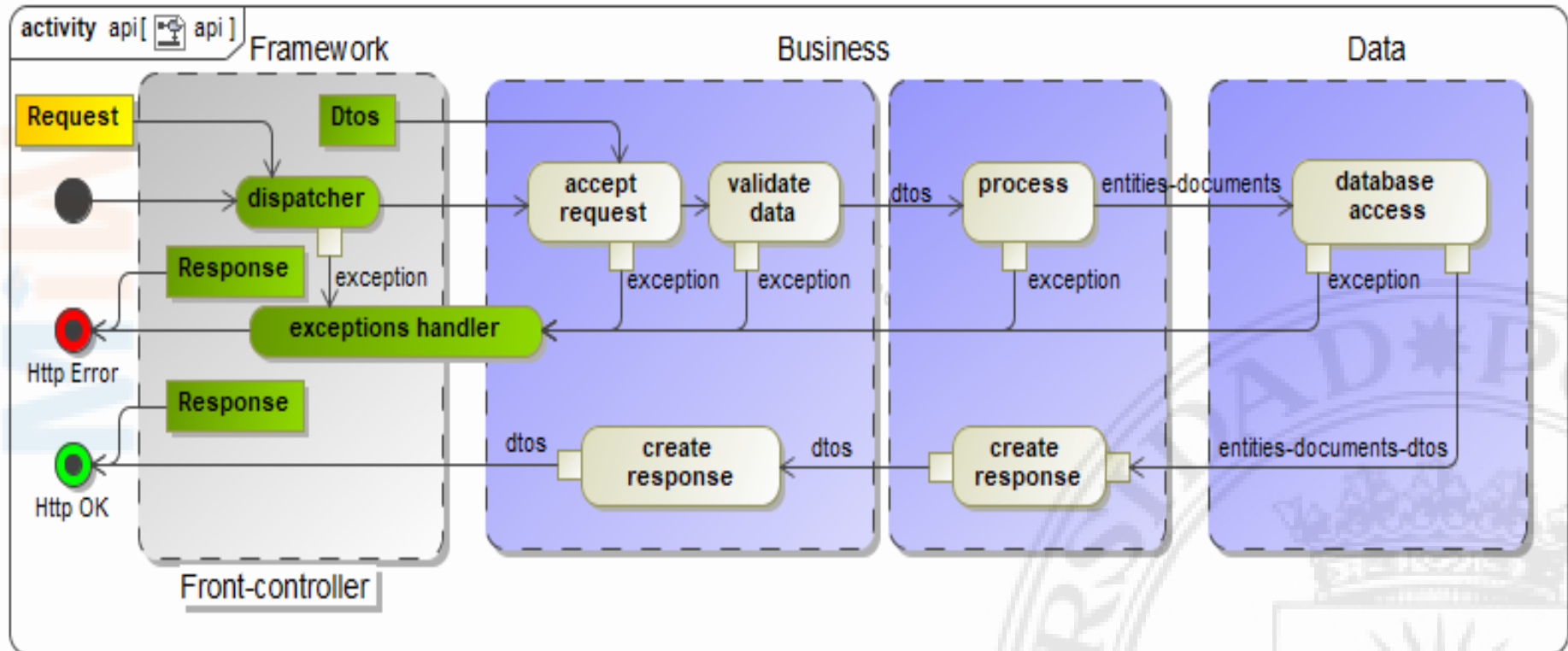
Aplicación - plantilla



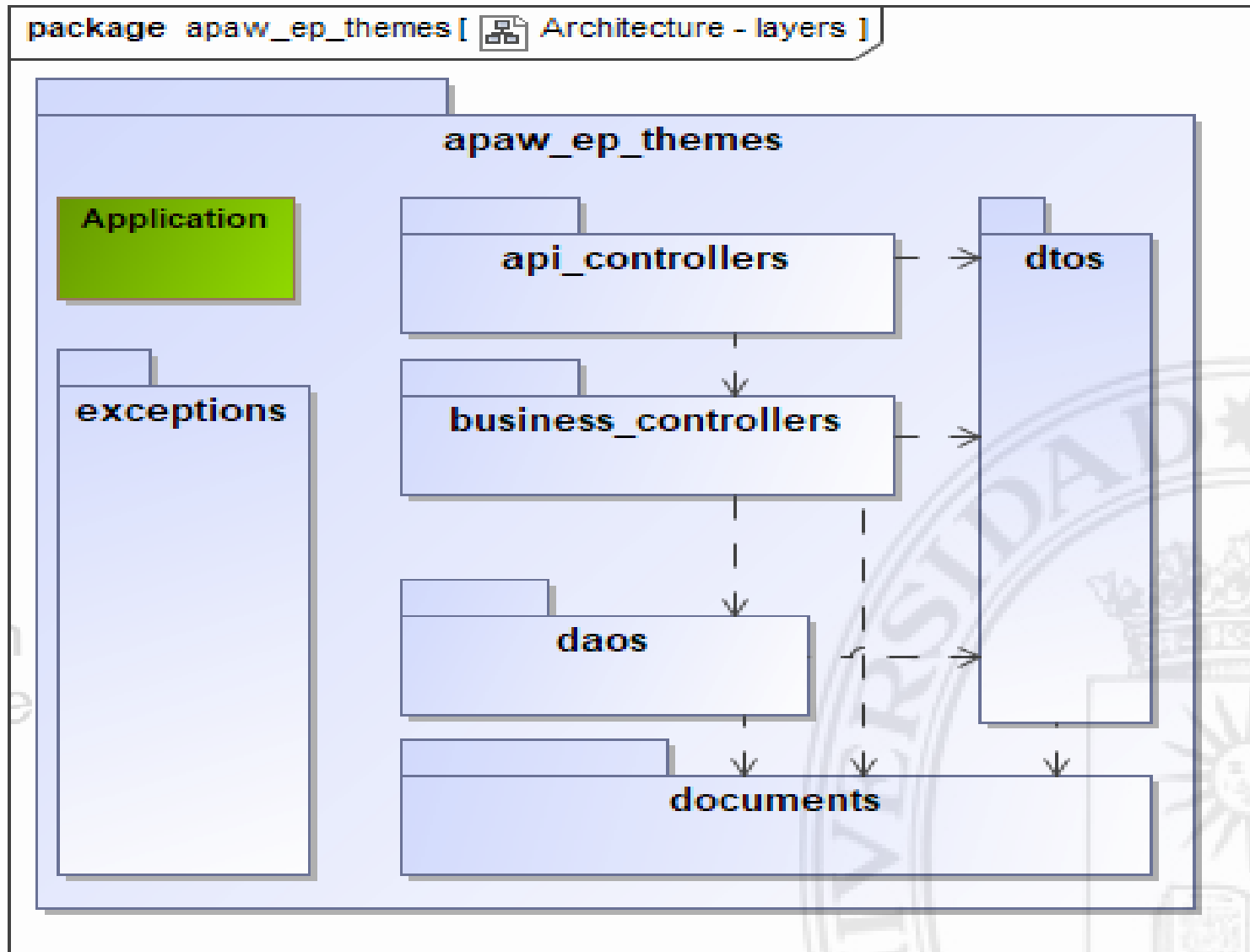
Database



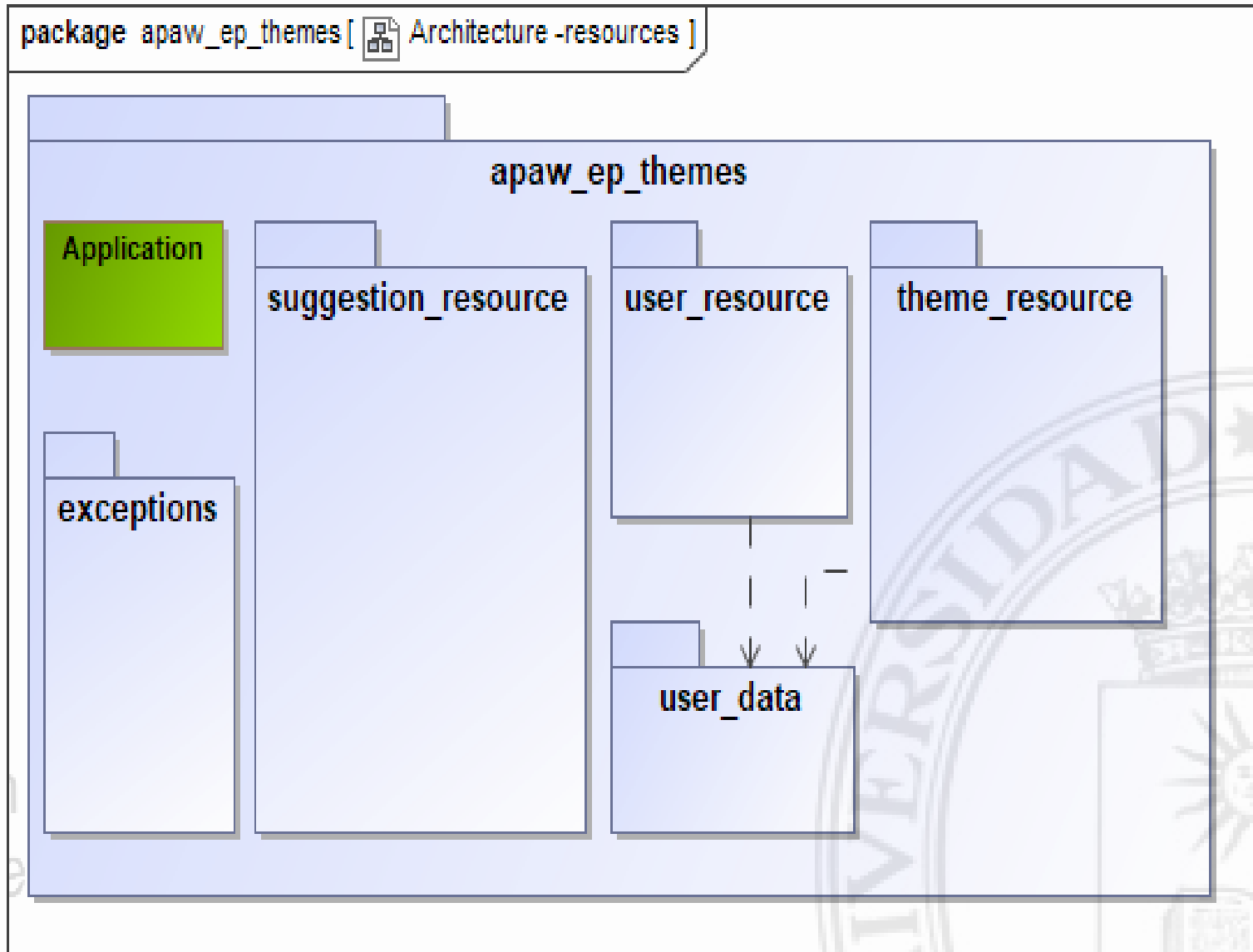
API Rest. Flujo de datos



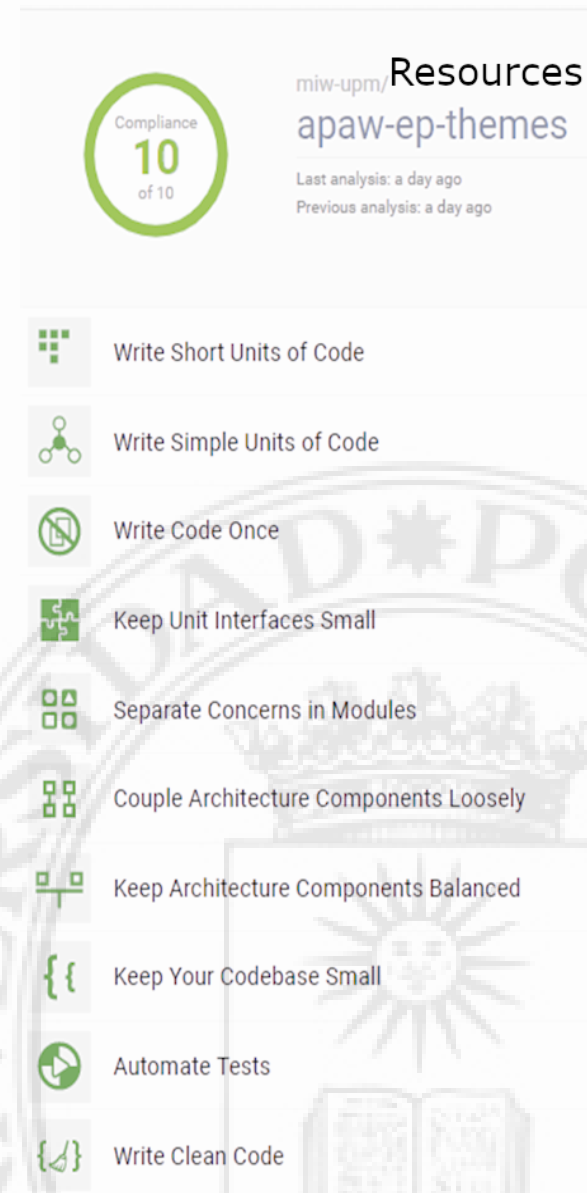
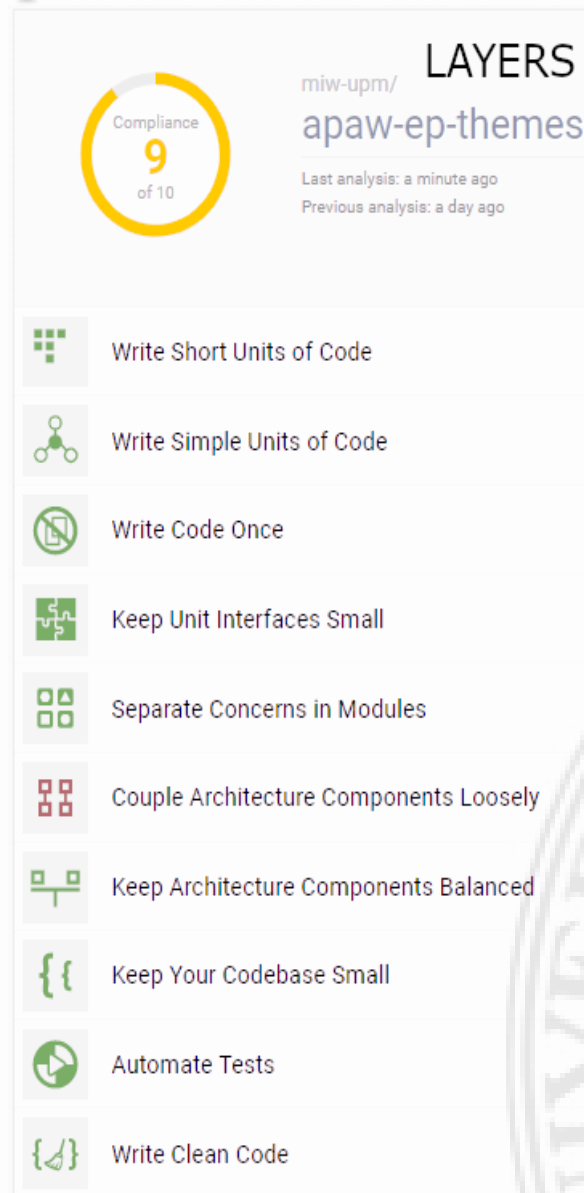
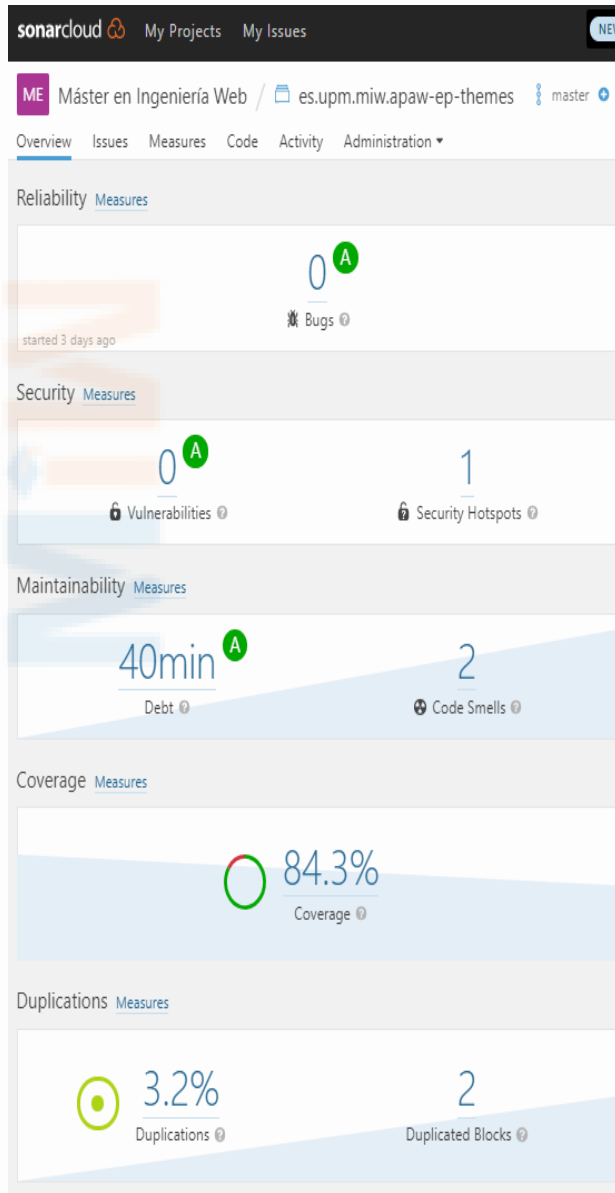
Arquitectura: capas



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 logo is in the top left, and a dropdown menu shows 'default' as the selected spec. The main heading is 'MIW. Universidad Politécnica de Madrid'. Below it, the base URL is `http://localhost:8080/v2/api-docs`. A link to the GitHub repository is provided: <https://github.com/miw-upm/apaw-api-themes>.

The API is organized into three resource groups, each with a dropdown arrow:

- 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`

At the bottom, there is a 'Models' section with a right-pointing arrow.