**Nombre del proyecto**
teammates-frontend-clean-v2

**Rama**
master

**Fecha de Análisis**
2025-07-23

**Tamaño**
M

**Líneas de Código**
47.284

**Versión**
1.0

**Umbral de Calidad**
PASA

## Fiabilidad

**D**

Bugs
**134**

**Fiabilidad en código nuevo**
A

Nuevos Bugs
**0**

## Seguridad

**A**

Vulnerabilidades
**0**

Hotspots de Seguridad
**4**

**Seguridad en código nuevo**
A

Nuevas Vulnerabilidades
**0**

Nuevos Hotspots de Seguridad
**0**

## Mantenibilidad

**A**

Code Smells
**629**

Ratio de deuda técnica
**0,2%**

**Mantenibilidad en el código nuevo**
A

Nuevos Code Smells
**0**

Ratio de Deuda en el código nuevo
**0 %**

## Evidencias por Severidad

| | 🐞 | 🔓 | ⚙ |
|---|---|---|---|
| ❗ | 0 | 0 | 0 |
| ⬆ | 2 | 0 | 23 |
| ⌃ | 9 | 0 | 552 |
| ⬇ | 123 | 0 | 48 |
| ℹ | 0 | 0 | 6 |

- ❗ Bloqueante
- ⬆ Crítica
- ⌃ Mayor
- ⬇ Menor
- ℹ Info
- 🐞 Bug
- 🔓 Vulnerabilidad
- ⚙ Code Smell

## Cobertura

**65,4%**

Tests unitarios
**0**

**Cobertura en código nuevo**
**0**

## Duplicados

**2,8%**

Bloques duplicados
**79**

**Duplicados en código nuevo**
**0**

### Bugs



### Vulnerabilidades



### Code Smells



### Hotspots de Seguridad



### Duplicados (Líneas de código / Líneas duplicadas)



### Líneas duplicadas (%)



### Cobertura (Líneas a cubrir / Líneas cubiertas)



### Cobertura (%)

**Nombre del proyecto**
teammates-frontend-clean-v2

**Rama** ⌥ master
**Versión** 1.0

**Fecha de Análisis**
2025-07-23

# Evidencias más comunes

| Severidad | Regla | Tipo | # Evidencias |
|---|---|---|---|
| 🔺 | Fields that are only assigned in the constructor should be "readonly" (ts) | ⚙ | 317 |
| 🔻 | Mouse events should have corresponding keyboard events (web) | 🐞 | 123 |
| 🔺 | Label elements should have a text label and an associated control (web) | ⚙ | 82 |
| 🔺 | CSS files should not be empty (css) | ⚙ | 80 |
| 🔻 | Redundant casts and non-null assertions should be avoided (ts) | ⚙ | 18 |
| 🔺 | Cognitive Complexity of functions should not be too high (ts) | ⚙ | 14 |
| 🔺 | Non-interactive DOM elements should not have the `tabIndex` property (web) | ⚙ | 13 |
| 🔺 | Optional chaining should be preferred (ts) | ⚙ | 13 |
| 🔺 | Prefer tag over ARIA role (web) | ⚙ | 10 |
| 🔺 | Functions should not be nested too deeply (ts) | ⚙ | 8 |
| 🔺 | Methods should not contain selector parameters (ts) | ⚙ | 8 |
| 🔻 | Image, area and button with image elements should have an "alt" attribute (web) | ⚙ | 7 |
| 🔻 | "for of" should be used with Iterables (ts) | ⚙ | 6 |
| ℹ | Track uses of "TODO" tags (ts) | ⚙ | 6 |
| 🔺 | Attributes deprecated in HTML5 should not be used (web) | ⚙ | 6 |
| 🔺 | Non-interactive DOM elements should not have interactive ARIA roles (web) | ⚙ | 4 |
| 🔺 | Tables should have headers (web) | 🐞 | 4 |
| 🔻 | Non-null assertions should not be used misleadingly (ts) | ⚙ | 4 |
| 🔺 | Promises should not be misused (ts) | 🐞 | 4 |
| 🔻 | Anchors should contain accessible content (web) | ⚙ | 3 |
| 🔺 | Two branches in a conditional structure should not have exactly the same implementation (ts) | ⚙ | 3 |
| 🔻 | Boolean checks should not be inverted (ts) | ⚙ | 2 |
| 🔺 | Focusable elements should not have "aria-hidden" attribute (web) | ⚙ | 2 |
| 🔺 | Array-mutating methods should not be used misleadingly (ts) | ⚙ | 2 |
| 🔺 | Nullish coalescing should be preferred (ts) | ⚙ | 2 |
| 🔺 | Assignments should not be made from within sub-expressions (ts) | ⚙ | 2 |
| 🔺 | Ends of strings should be checked with "startsWith()" and "endsWith()" (ts) | ⚙ | 2 |
| 🔺 | "Array.prototype.sort()" and "Array.prototype.toSorted()" should use a compare function (ts) | 🐞 | 2 |
| 🔻 | "RegExp.exec()" should be preferred over "String.match()" (ts) | ⚙ | 2 |
| 🔻 | Regular expression quantifiers and character classes should be used concisely (ts) | ⚙ | 2 |
| 🔺 | "Array.reduce()" calls should include an initial value (ts) | 🐞 | 1 |
| 🔻 | Public "static" fields should be read-only (ts) | ⚙ | 1 |
| 🔺 | DOM elements with ARIA roles should have a valid non-abstract role (web) | ⚙ | 1 |
| 🔻 | Exceptions should not be ignored (ts) | ⚙ | 1 |
| 🔺 | Redundant type aliases should not be used (ts) | ⚙ | 1 |
| 🔺 | Functions should not have identical implementations (ts) | ⚙ | 1 |

... ... ...

**Nivel de Severidad**
- 🛑 Bloqueante
- 🔴 Crítica
- 🔺 Mayor
- 🔻 Menor
- ℹ Info

🔧 Múltiples severidades encontradas

**Tipo de Evidencia**
- 🐞 Bug
- 🔓 Vulnerabilidad
- ⛨ Hotspots de Seguridad
- ⚙ Code Smell

# Evidencias por Severidad

| Severidad | Regla | Tipo | # Evidencias |
|---|---|---|---|
| 🔴 | Cognitive Complexity of functions should not be too high (ts) | | 14 |
| 🔴 | Functions should not be nested too deeply (ts) | | 8 |
| 🔴 | "Array.prototype.sort()" and "Array.prototype.toSorted()" should use a compare function (ts) | 🐛 | 2 |
| 🔴 | Functions should not be empty (ts) | | 1 |
| 🔴 | Fields that are only assigned in the constructor should be "readonly" (ts) | | 317 |
| 🔴 | Label elements should have a text label and an associated control (web) | | 82 |
| 🔴 | CSS files should not be empty (css) | | 80 |
| 🔴 | Non-interactive DOM elements should not have the `tabIndex` property (web) | | 13 |
| 🔴 | Optional chaining should be preferred (ts) | | 13 |
| 🔴 | Prefer tag over ARIA role (web) | | 10 |
| 🔴 | Methods should not contain selector parameters (ts) | | 8 |
| 🔴 | Attributes deprecated in HTML5 should not be used (web) | | 6 |
| 🔴 | Non-interactive DOM elements should not have interactive ARIA roles (web) | | 4 |
| 🔴 | Tables should have headers (web) | 🐛 | 4 |
| 🔴 | Promises should not be misused (ts) | 🐛 | 4 |
| 🔴 | Two branches in a conditional structure should not have exactly the same implementation (ts) | | 3 |
| 🔴 | Focusable elements should not have "aria-hidden" attribute (web) | | 2 |
| 🔴 | Array-mutating methods should not be used misleadingly (ts) | | 2 |
| 🔴 | Assignments should not be made from within sub-expressions (ts) | | 2 |
| 🔴 | Ends of strings should be checked with "startsWith()" and "endsWith()" (ts) | | 2 |
| 🟠 | "Array.reduce()" calls should include an initial value (ts) | 🐛 | 1 |
| 🟠 | DOM elements with ARIA roles should have a valid non-abstract role (web) | | 1 |
| 🟠 | Redundant type aliases should not be used (ts) | | 1 |
| 🟠 | Functions should not have identical implementations (ts) | | 1 |
| 🟠 | Sections of code should not be commented out (ts) | | 1 |
| 🟠 | Heading elements should have accessible content (web) | | 1 |
| 🟠 | Loop counters should not be assigned within the loop body (ts) | | 1 |
| 🟠 | Literals should not be used for promise rejection (ts) | | 1 |
| 🟠 | Functions should not have too many parameters (ts) | | 1 |
| 🟢 | Mouse events should have corresponding keyboard events (web) | 🐛 | 123 |
| 🟢 | Redundant casts and non-null assertions should be avoided (ts) | | 18 |
| 🟢 | Image, area and button with image elements should have an "alt" attribute (web) | | 7 |
| 🟢 | "for of" should be used with Iterables (ts) | | 6 |
| 🟢 | Non-null assertions should not be used misleadingly (ts) | | 4 |
| 🟢 | Anchors should contain accessible content (web) | | 3 |
| 🟢 | Nullish coalescing should be preferred (ts) | | 2 |
| | ... ... ... | | |

**Nivel de Severidad**
- 🔴 Bloqueante
- 🔴 Crítica
- 🔴 Mayor
- 🟢 Menor
- ℹ️ Info

🏷️ Múltiples severidades encontradas

**Tipo de Evidencia**
- 🐛 Bug
- 🔒 Vulnerabilidad
- 🛡️ Hotspots de Seguridad
- ⚙️ Code Smell

| Nombre del proyecto | Rama | master | Fecha de Análisis |
| --- | --- | --- | --- |
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# Hotspots de Seguridad a revisar

| Severidad | Regla | Tipo | # Evidencias |
| --- | --- | --- | --- |
| ⊘ | Disabling Angular built-in sanitization is security-sensitive (ts) | 🛡 | 2 |
| ⊘ | Using slow regular expressions is security-sensitive (ts) | 🛡 | 2 |

| **Nivel de Severidad** | ⊘ Bloqueante | 🔗 Múltiples severidades encontradas | **Tipo de Evidencia** | 🐞 Bug |
| --- | --- | --- | --- | --- |
| | ⊘ Crítica | | | 🔓 Vulnerabilidad |
| | ⊘ Mayor | | | 🛡 Hotspots de Seguridad |
| | ⊙ Menor | | | ⊛ Code Smell |
| | ⓘ Info | | | |

| Nombre del proyecto | Rama | ⌥ master | Fecha de Análisis |
|---|---|---|---|
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## Hotspots de Seguridad revisados

| **0** | **0** | **0** | **0** de 4 | **0%** | ⬭ |
|---|---|---|---|---|---|
| confirmados ⊙ | arreglados ✓ | seguros ✓ | revisados | revisados | |

## Hotspots más revisados

| Severidad | Regla | | Estado | # revisados |
|---|---|---|---|---|

### No se han encontrado Hotspots de seguridad Revisados

**Nivel de Severidad**
- ❗ Bloqueante
- ⛔ Crítica
- 🔺 Mayor
- 🔻 Menor
- ⓘ Info

🔗 Múltiples severidades encontradas

**Estados del Hotspot**
- ⊙ Confirmados
- ✓ Seguros
- ✓ Arreglados

**Regla**
# Disabling Angular built-in sanitization is security-sensitive

**Lenguaje** ts
**Evidencias** 2

Angular prevents XSS vulnerabilities by treating all values as untrusted by default.

🏷 **cwe**

## Detalle de Evidencias

📄 src/web/app/components/teammates-common/safe-html.pipe.ts **L18**
Make sure disabling Angular built-in sanitization is safe here.

📄 src/web/app/pages-static/request-page/request-page.component.ts **L22**
Make sure disabling Angular built-in sanitization is safe here.

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**Rama** master
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**Regla**
# Cognitive Complexity of functions should not be too high

**Lenguaje**
ts

**Evidencias**
**14**

This rule raises an issue when the code cognitive complexity of a function is above a certain threshold.

🏷 architecture    brain-overload

## Detalle de Evidencias

📄 ...ents/question-types/question-statistics/question-statistics-calculation/msq-question-statistics-calculation.ts **L32**
Refactor this function to reduce its Cognitive Complexity from 35 to the 15 allowed.

📄 ...s/question-types/question-statistics/question-statistics-calculation/rubric-question-statistics-calculation.ts **L56**
Refactor this function to reduce its Cognitive Complexity from 27 to the 15 allowed.

📄 src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.ts **L476**
Refactor this function to reduce its Cognitive Complexity from 23 to the 15 allowed.

📄 src/web/app/pages-instructor/instructor-session-base-page.component.ts **L114**
Refactor this function to reduce its Cognitive Complexity from 23 to the 15 allowed.

📄 src/web/app/pages-instructor/instructor-course-enroll-page/instructor-course-enroll-page.component.ts **L380**
Refactor this function to reduce its Cognitive Complexity from 16 to the 15 allowed.

📄 src/web/app/components/question-responses/grq-rgq-view-responses/grq-rgq-view-responses.component.ts **L85**
Refactor this function to reduce its Cognitive Complexity from 67 to the 15 allowed.

📄 ...pes/question-statistics/question-statistics-calculation/constsum-recipients-question-statistics-calculation.ts **L29**
Refactor this function to reduce its Cognitive Complexity from 21 to the 15 allowed.

📄 ...n-types/question-statistics/question-statistics-calculation/rank-recipients-question-statistics-calculation.ts **L31**
Refactor this function to reduce its Cognitive Complexity from 20 to the 15 allowed.

📄 src/web/app/components/question-responses/gqr-rqg-view-responses/gqr-rqg-view-responses.component.ts **L84**
Refactor this function to reduce its Cognitive Complexity from 65 to the 15 allowed.

📄 src/web/app/pages-instructor/instructor-session-edit-page/instructor-session-edit-page.component.ts **L854**
Refactor this function to reduce its Cognitive Complexity from 18 to the 15 allowed.

📄 src/web/app/pages-help/instructor-help-page/instructor-help-section.component.ts **L98**
Refactor this function to reduce its Cognitive Complexity from 17 to the 15 allowed.

📄 ...tion-types/question-statistics/question-statistics-calculation/contribution-question-statistics-calculation.ts **L36**
Refactor this function to reduce its Cognitive Complexity from 30 to the 15 allowed.

📄 ...ents/question-types/question-statistics/question-statistics-calculation/mcq-question-statistics-calculation.ts **L26**
Refactor this function to reduce its Cognitive Complexity from 40 to the 15 allowed.

📄 ...tion-types/question-statistics/question-statistics-calculation/rank-options-question-statistics-calculation.ts **L25**
Refactor this function to reduce its Cognitive Complexity from 16 to the 15 allowed.

**Regla**
# Functions should not be nested too deeply

Lenguaje
ts

Evidencias
**8**

Why is this an issue? Nested functions refer to the practice of defining a function within another function.

🏷 **brain-overload**

## Detalle de Evidencias

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts
Refactor this code to not nest functions more than 4 levels deep.
**L888**

src/web/app/pages-instructor/instructor-home-page/instructor-home-page.component.ts
Refactor this code to not nest functions more than 4 levels deep.
**L211**

src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.ts
Refactor this code to not nest functions more than 4 levels deep.
**L160**

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.ts
Refactor this code to not nest functions more than 4 levels deep.
**L410**

src/web/app/pages-instructor/instructor-student-list-page/instructor-student-list-page.component.ts
Refactor this code to not nest functions more than 4 levels deep.
**L152**

src/web/app/pages-instructor/instructor-session-edit-page/instructor-session-edit-page.component.ts
Refactor this code to not nest functions more than 4 levels deep.
**L263**

src/web/app/pages-instructor/instructor-session-edit-page/instructor-session-edit-page.component.ts
Refactor this code to not nest functions more than 4 levels deep.
**L269**

src/web/app/pages-instructor/instructor-session-edit-page/instructor-session-edit-page.component.ts
Refactor this code to not nest functions more than 4 levels deep.
**L272**

**Regla**

**Lenguaje**
ts

**Evidencias**
2

## "Array.prototype.sort()" and "Array.prototype.toSorted()" should use a compare function

Why is this an issue? JavaScript provides built-in methods to sort arrays, making it convenient for developers to manipulate data.

🏷️ bad-practice    type-dependent

---

**Detalle de Evidencias**

📄 src/web/app/pages-session/session-submission-page/session-submission-page.component.ts            **L1261**
Provide a compare function to avoid sorting elements alphabetically.

📄 src/web/app/pages-monitoring/logs-page/logs-page.component.ts            **L158**
Provide a compare function that depends on "String.localeCompare", to reliably sort elements alphabetically.

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**Rama** master
**Versión** 1.0

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**Regla**
# Functions should not be empty

**Lenguaje**
ts

**Evidencias**
1

Why is this an issue? An empty method is generally considered bad practice and can lead to confusion, readability, and maintenance issues.

🏷 **suspicious**

**Detalle de Evidencias**

src/web/app/pages-help/instructor-help-page/example-box/example-box.component.ts
Unexpected empty method 'open'.

**L12**

SonarQube cloud

**Regla**

**Lenguaje**
ts

**Evidencias**
2

## Using slow regular expressions is security-sensitive

Most of the regular expression engines use backtracking to try all possible execution paths of the regular expression when evaluating an input, in some cases it can cause performance issues, called catastrophic backtracking situations.

🏷 **cwe** **regex** **type-dependent**

### Detalle de Evidencias

📄 src/web/app/components/teammates-common/strip-html-tags.pipe.ts **L18**
Make sure the regex used here, which is vulnerable to super-linear runtime due to backtracking, cannot lead to...

📄 src/web/app/pages-help/instructor-help-page/instructor-help-section.component.ts **L82**
Make sure the regex used here, which is vulnerable to super-linear runtime due to backtracking, cannot lead to...

**Regla**
# Fields that are only assigned in the constructor should be "readonly"

**Lenguaje**
ts

**Evidencias**
317

Why is this an issue? readonly fields can only be assigned in a class constructor.

🏷 **confusing** **type-dependent**

## Detalle de Evidencias

📄 src/web/app/components/question-types/question-edit-answer-form/rubric-question-edit-answer-form.component.ts **L35**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

📄 ...p/components/account-requests-table/admin-reject-with-reason-modal/admin-reject-with-reason-modal.component.ts **L68**
Member 'searchService: SearchService' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/account-requests-table/account-request-table.component.ts **L47**
Member 'ngbModal: NgbModal' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-static/request-page/instructor-request-form/instructor-request-form.component.ts **L18**
Member 'accountService: AccountService' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/account-requests-table/account-request-table.component.ts **L44**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/account-requests-table/account-request-table.component.ts **L45**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/account-requests-table/account-request-table.component.ts **L46**
Member 'accountService: AccountService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-admin/admin-home-page/admin-home-page.component.ts **L41**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-admin/admin-home-page/admin-home-page.component.ts **L43**
Member 'formatDateDetailPipe: FormatDateDetailPipe' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/student-list/student-list.component.ts **L74**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/student-list/student-list.component.ts **L75**
Member 'searchTermsHighlighterPipe: SearchTermsHighlighterPipe' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/extension-confirm-modal/extension-confirm-modal.component.ts **L79**
Member 'tableComparatorService: TableComparatorService' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/extension-confirm-modal/extension-confirm-modal.component.ts **L80**
Member 'timeZoneService: TimezoneService' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/sessions-table/sessions-table.component.ts **L125**
Member 'ngbModal: NgbModal' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/sessions-table/sessions-table.component.ts **L126**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/sessions-table/sessions-table.component.ts **L127**
Member 'formatDateDetailPipe: FormatDateDetailPipe' is never reassigned; mark it as `readonly`.

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## Detalle de Evidencias

src/web/app/components/sessions-table/sessions-table.component.ts **L128**
Member 'formatDateBriefPipe: FormatDateBriefPipe' is never reassigned; mark it as `readonly`.

src/web/app/components/sessions-table/sessions-table.component.ts **L129**
Member 'publishStatusName: PublishStatusNamePipe' is never reassigned; mark it as `readonly`.

src/web/app/components/sessions-table/sessions-table.component.ts **L130**
Member 'publishStatusTooltip: PublishStatusTooltipPipe' is never reassigned; mark it as `readonly`.

src/web/app/components/sessions-table/sessions-table.component.ts **L131**
Member 'submissionStatusTooltip: SubmissionStatusTooltipPipe' is never reassigned; mark it as `readonly`.

src/web/app/components/sessions-table/sessions-table.component.ts **L132**
Member 'submissionStatusName: SubmissionStatusNamePipe' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-session-base-page.component.ts **L60**
Member 'publishStatusName' is never reassigned; mark it as `readonly`.

src/web/app/components/question-submission-form/question-submission-form.component.ts **L129**
Member 'contributionQuestionConstraint' is never reassigned; mark it as `readonly`.

src/web/app/components/question-submission-form/question-submission-form.component.ts **L132**
Member 'rankRecipientsQuestionConstraint' is never reassigned; mark it as `readonly`.

src/web/app/components/question-submission-form/question-submission-form.component.ts **L135**
Member 'constsumRecipientQuesitonConstraint' is never reassigned; mark it as `readonly`.

...p/pages-help/instructor-help-page/instructor-help-getting-started/instructor-help-getting-started.component.ts **L34**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

...p/pages-help/instructor-help-page/instructor-help-getting-started/instructor-help-getting-started.component.ts **L35**
Member 'pageScrollService: PageScrollService' is never reassigned; mark it as `readonly`.

...p/pages-help/instructor-help-page/instructor-help-getting-started/instructor-help-getting-started.component.ts **L36**
Member 'document: any' is never reassigned; mark it as `readonly`.

src/web/app/login-page.component.ts **L32**
Member 'backendUrl' is never reassigned; mark it as `readonly`.

src/web/app/login-page.component.ts **L43**
Member 'authService: AuthService' is never reassigned; mark it as `readonly`.

src/web/app/login-page.component.ts **L44**
Member 'formBuilder: FormBuilder' is never reassigned; mark it as `readonly`.

src/web/app/login-page.component.ts **L45**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/page.component.ts **L77**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/page.component.ts **L77**
Member 'authService: AuthService' is never reassigned; mark it as `readonly`.

src/web/app/components/question-types/question-instruction/contribution-question-instruction.component.ts **L23**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-enroll-page/instructor-course-enroll-page.component.ts **L105**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-enroll-page/instructor-course-enroll-page.component.ts **L106**
Member 'pageScrollService: PageScrollService' is never reassigned; mark it as `readonly`.

## Detalle de Evidencias

src/web/app/pages-instructor/instructor-course-enroll-page/instructor-course-enroll-page.component.ts **L107**
Member 'document: Document' is never reassigned; mark it as `readonly`.

src/web/app/pages-help/session-links-recovery/session-links-recovery-page.component.ts **L35**
Member 'formBuilder: UntypedFormBuilder' is never reassigned; mark it as `readonly`.

...pp/pages-instructor/instructor-course-student-details-page/instructor-course-student-details-page.component.ts **L29**
Member 'studentService: StudentService' is never reassigned; mark it as `readonly`.

src/web/app/components/session-edit-form/session-edit-form.component.ts **L123**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

src/web/app/components/session-edit-form/session-edit-form.component.ts **L124**
Member 'datetimeService: DateTimeService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.ts **L110**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-sessions-page/instructor-sessions-page.component.ts **L121**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

src/web/app/components/loading-spinner/loading-spinner.directive.ts **L20**
Member 'viewContainer: ViewContainerRef' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-session-edit-page/instructor-session-edit-page.component.ts **L179**
Member 'datetimeService: DateTimeService' is never reassigned; mark it as `readonly`.

src/web/app/pages-monitoring/logs-page/logs-page.component.ts **L123**
Member 'datetimeService: DateTimeService' is never reassigned; mark it as `readonly`.

src/web/app/pages-monitoring/logs-page/logs-page.component.ts **L124**
Member 'logService: LogService' is never reassigned; mark it as `readonly`.

src/web/app/components/question-response-panel/question-response-panel.component.ts **L32**
Member 'feedbackSessionsService: FeedbackSessionsService' is never reassigned; mark it as `readonly`.

src/web/app/components/question-response-panel/question-response-panel.component.ts **L33**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-result-page/session-result-page.component.ts **L111**
Member 'feedbackQuestionsService: FeedbackQuestionsService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-result-page/session-result-page.component.ts **L112**
Member 'feedbackSessionsService: FeedbackSessionsService' is never reassigned; mark it as `readonly`.

src/web/app/components/course-edit-form/course-edit-form.component.ts **L76**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

src/web/app/components/course-edit-form/course-edit-form.component.ts **L77**
Member 'ngbModal: NgbModal' is never reassigned; mark it as `readonly`.

src/web/app/components/course-edit-form/course-edit-form.component.ts **L78**
Member 'feedbackSessionsService: FeedbackSessionsService' is never reassigned; mark it as `readonly`.

src/web/app/components/course-edit-form/course-edit-form.component.ts **L79**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-student-activity-logs/instructor-student-activity-logs.component.ts **L123**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-student-activity-logs/instructor-student-activity-logs.component.ts **L124**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

### Detalle de Evidencias

📄 src/web/app/pages-instructor/instructor-student-activity-logs/instructor-student-activity-logs.component.ts **L125**
Member 'feedbackSessionsService: FeedbackSessionsService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-instructor/instructor-student-activity-logs/instructor-student-activity-logs.component.ts **L126**
Member 'studentService: StudentService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-instructor/instructor-student-activity-logs/instructor-student-activity-logs.component.ts **L127**
Member 'logsService: LogService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-instructor/instructor-student-activity-logs/instructor-student-activity-logs.component.ts **L128**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-instructor/instructor-student-activity-logs/instructor-student-activity-logs.component.ts **L129**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

📄 ...rse-edit-page/copy-instructors-from-other-courses-modal/copy-instructors-from-other-courses-modal.component.ts **L40**
Member 'tableComparatorService: TableComparatorService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-admin/admin-page.component.ts **L60**
Member 'authService: AuthService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-admin/admin-page.component.ts **L60**
Member 'navigationService: NavigationService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-help/instructor-help-page/instructor-help-panel/instructor-help-panel.component.ts **L33**
Member 'navigationService: NavigationService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-help/instructor-help-page/instructor-help-section.component.ts **L35**
Member 'navigationService: NavigationService' is never reassigned; mark it as `readonly`.

📄 src/web/app/user-join-page.component.ts **L42**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-instructor/instructor-notifications-page/instructor-notifications-page.component.ts **L18**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-student/student-notifications-page/student-notifications-page.component.ts **L18**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/notification-banner/notification-banner.component.ts **L28**
Member 'notificationService: NotificationService' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/notification-banner/notification-banner.component.ts **L29**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

📄 ...session-individual-extension-page/individual-extension-date-modal/individual-extension-date-modal.component.ts **L50**
Member 'timeZoneService: TimezoneService' is never reassigned; mark it as `readonly`.

📄 ...session-individual-extension-page/individual-extension-date-modal/individual-extension-date-modal.component.ts **L51**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

📄 ...tructor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.ts **L103**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

📄 ...tructor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.ts **L104**
Member 'feedbackSessionsService: FeedbackSessionsService' is never reassigned; mark it as `readonly`.

📄 ...tructor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.ts **L105**
Member 'studentService: StudentService' is never reassigned; mark it as `readonly`.

📄 ...tructor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.ts **L106**
Member 'ngbModal: NgbModal' is never reassigned; mark it as `readonly`.

SonarQube cloud

Code Smell
**S2933**

Nombre del proyecto
teammates-frontend-clean-v2

Rama  master
Versión  1.0

Fecha de Análisis
2025-07-23

**Detalle de Evidencias**

...tructor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.ts  **L107**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

...tructor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.ts  **L108**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

...tructor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.ts  **L109**
Member 'tableComparatorService: TableComparatorService' is never reassigned; mark it as `readonly`.

...tructor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.ts  **L110**
Member 'instructorService: InstructorService' is never reassigned; mark it as `readonly`.

src/web/app/components/user-notifications-list/user-notifications-list.component.ts  **L55**
Member 'notificationService: NotificationService' is never reassigned; mark it as `readonly`.

src/web/app/components/user-notifications-list/user-notifications-list.component.ts  **L56**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/components/user-notifications-list/user-notifications-list.component.ts  **L57**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

src/web/app/components/user-notifications-list/user-notifications-list.component.ts  **L58**
Member 'tableComparatorService: TableComparatorService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-result-page/session-result-page.component.ts  **L119**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts  **L149**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

src/web/app/public-page.component.ts  **L15**
Member 'authService: AuthService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-notifications-page/admin-notifications-page.component.ts  **L64**
Member 'notificationService: NotificationService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-notifications-page/admin-notifications-page.component.ts  **L65**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-notifications-page/admin-notifications-page.component.ts  **L66**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-notifications-page/admin-notifications-page.component.ts  **L67**
Member 'tableComparatorService: TableComparatorService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-notifications-page/admin-notifications-page.component.ts  **L68**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-notifications-page/notification-edit-form/notification-edit-form.component.ts  **L69**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-notifications-page/notifications-table/notifications-table.component.ts  **L42**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

src/web/app/pages-monitoring/usage-stats-page/stats-line-chart/stats-line-chart.component.ts  **L27**
Member 'height' is never reassigned; mark it as `readonly`.

src/web/app/pages-monitoring/usage-stats-page/stats-line-chart/stats-line-chart.component.ts  **L28**
Member 'margin' is never reassigned; mark it as `readonly`.

src/web/app/pages-monitoring/usage-stats-page/stats-line-chart/stats-line-chart.component.ts  **L37**
Member 'chartElem: ElementRef' is never reassigned; mark it as `readonly`.

**Detalle de Evidencias**

src/web/app/pages-monitoring/usage-stats-page/usage-statistics-page.component.ts **L77**
Member 'usageStatisticsService: UsageStatisticsService' is never reassigned; mark it as `readonly`.

src/web/app/pages-monitoring/usage-stats-page/usage-statistics-page.component.ts **L78**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

src/web/app/pages-monitoring/usage-stats-page/usage-statistics-page.component.ts **L79**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-home-page/admin-home-page.component.ts **L39**
Member 'accountService: AccountService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-home-page/admin-home-page.component.ts **L40**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-home-page/admin-home-page.component.ts **L42**
Member 'linkService: LinkService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-enroll-page/instructor-course-enroll-page.component.ts **L104**
Member 'progressBarService: ProgressBarService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.ts **L79**
Member 'progressBarService: ProgressBarService' is never reassigned; mark it as `readonly`.

...ssion-edit-page/copy-questions-from-other-sessions-modal/copy-questions-from-other-sessions-modal.component.ts **L33**
Member 'tableComparatorService: TableComparatorService' is never reassigned; mark it as `readonly`.

src/web/app/user-join-page.component.ts **L43**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

src/web/app/user-join-page.component.ts **L38**
Member 'accountService: AccountService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-page.component.ts **L149**
Member 'feedbackSessionActionsService: FeedbackSessionActionsService' is never reassigned; mark it as `readonl...

src/web/app/pages-instructor/instructor-search-page/instructor-search-page.component.ts **L36**
Member 'instructorService: InstructorService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-search-page/admin-search-page.component.ts **L53**
Member 'instructorService: InstructorService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-page.component.ts **L158**
Member 'navigationService: NavigationService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-result-page/session-result-page.component.ts **L118**
Member 'instructorService: InstructorService' is never reassigned; mark it as `readonly`.

src/web/app/components/copy-course-modal/copy-course-modal.component.ts **L55**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/components/copy-course-modal/copy-course-modal.component.ts **L56**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.ts **L101**
Member 'ngbModal: NgbModal' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.ts **L102**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.ts **L107**
Member 'tableComparatorService: TableComparatorService' is never reassigned; mark it as `readonly`.

## Detalle de Evidencias

📄 src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.ts **L108**
Member 'feedbackSessionsService: FeedbackSessionsService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.ts **L109**
Member 'progressBarService: ProgressBarService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-maintainer/maintainer-page.component.ts **L38**
Member 'backendUrl' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-maintainer/maintainer-page.component.ts **L40**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-maintainer/maintainer-page.component.ts **L40**
Member 'authService: AuthService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-monitoring/logs-page/logs-page.component.ts **L126**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-monitoring/logs-page/logs-page.component.ts **L127**
Member 'activatedRoute: ActivatedRoute' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/logs-histogram/logs-histogram.component.ts **L20**
Member 'margin' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-monitoring/logs-page/logs-page.component.ts **L125**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-session/session-result-page/session-result-page.component.ts **L121**
Member 'logService: LogService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-session/session-submission-page/session-submission-page.component.ts **L156**
Member 'logService: LogService' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/progress-bar/progress-bar.component.ts **L15**
Member 'progressBarService: ProgressBarService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-session/session-submission-page/saving-complete-modal/saving-complete-modal.component.ts **L62**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/student-list/student-list.component.ts **L72**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/teammates-router/teammates-router.directive.ts **L36**
Member 'masqueradeModeService: MasqueradeModeService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.ts **L77**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

📄 .../web/app/pages-instructor/instructor-course-student-edit-page/instructor-course-student-edit-page.component.ts **L48**
Member 'navigationService: NavigationService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-instructor/instructor-page.component.ts **L65**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-instructor/instructor-page.component.ts **L65**
Member 'authService: AuthService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-static/static-page.component.ts **L65**
Member 'authService: AuthService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-student/student-page.component.ts **L40**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

## Detalle de Evidencias

src/web/app/pages-student/student-page.component.ts **L40**
Member 'authService: AuthService' is never reassigned; mark it as `readonly`.

src/web/app/user-join-page.component.ts **L40**
Member 'navigationService: NavigationService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-search-page/instructor-search-page.component.ts **L35**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-search-page/student-result-table/student-result-table.component.ts **L35**
Member 'tableComparatorService: TableComparatorService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.ts **L84**
Member 'instructorService: InstructorService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.ts **L85**
Member 'tableComparatorService: TableComparatorService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-session-result-page/instructor-session-no-response-panel.component.ts **L72**
Member 'ngbModal: NgbModal' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-session-result-page/instructor-session-no-response-panel.component.ts **L73**
Member 'tableComparatorService: TableComparatorService' is never reassigned; mark it as `readonly`.

src/web/app/components/error-report/error-report.component.ts **L29**
Member 'errorReportService: ErrorReportService' is never reassigned; mark it as `readonly`.

src/web/app/components/error-report/error-report.component.ts **L30**
Member 'ngbActiveModal: NgbActiveModal' is never reassigned; mark it as `readonly`.

src/web/app/components/error-report/error-report.component.ts **L31**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-home-page/instructor-home-page.component.ts **L110**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-result-page/session-result-page.component.ts **L120**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-result-page/session-result-page.component.ts **L122**
Member 'ngbModal: NgbModal' is never reassigned; mark it as `readonly`.

src/web/app/components/sessions-table/respondent-list-info-table/respondent-list-info-table.component.ts **L41**
Member 'tableComparatorService: TableComparatorService' is never reassigned; mark it as `readonly`.

src/web/app/pages-help/instructor-help-page/instructor-help-section.component.ts **L34**
Member 'pageScrollService: PageScrollService' is never reassigned; mark it as `readonly`.

src/web/app/pages-help/instructor-help-page/instructor-help-section.component.ts **L36**
Member 'document: any' is never reassigned; mark it as `readonly`.

src/web/app/components/loading-spinner/loading-spinner.directive.ts **L19**
Member 'templateRef: TemplateRef<any>' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-search-page/admin-search-page.component.ts **L57**
Member 'loadingBarService: LoadingBarService' is never reassigned; mark it as `readonly`.

src/web/app/components/comment-box/comment-row/comment-row.component.ts **L106**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

src/web/app/components/comment-box/comment-row/comment-row.component.ts **L107**
Member 'commentService: FeedbackResponseCommentService' is never reassigned; mark it as `readonly`.

### Detalle de Evidencias

src/web/app/components/question-edit-form/question-edit-form.component.ts **L193**
Member 'feedbackQuestionsService: FeedbackQuestionsService' is never reassigned; mark it as `readonly`.

src/web/app/components/question-edit-form/question-edit-form.component.ts **L194**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

src/web/app/components/question-responses/per-question-view-responses/per-question-view-responses.component.ts **L64**
Member 'ngbModal: NgbModal' is never reassigned; mark it as `readonly`.

...rc/web/app/components/question-types/question-edit-details-form/rubric-question-edit-details-form.component.ts **L23**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

...stion-types/question-statistics/contribution-question-statistics/contribution-question-statistics.component.ts **L41**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

src/web/app/page.component.ts **L76**
Member 'ngbModal: NgbModal' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-search-page/admin-search-page.component.ts **L51**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.ts **L81**
Member 'ngbModal: NgbModal' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.ts **L82**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-edit-page/instructor-course-edit-page.component.ts **L157**
Member 'ngbModal: NgbModal' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-edit-page/instructor-course-edit-page.component.ts **L158**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

.../web/app/pages-instructor/instructor-course-student-edit-page/instructor-course-student-edit-page.component.ts **L49**
Member 'ngbModal: NgbModal' is never reassigned; mark it as `readonly`.

.../web/app/pages-instructor/instructor-course-student-edit-page/instructor-course-student-edit-page.component.ts **L50**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.ts **L106**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-page.component.ts **L156**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts **L150**
Member 'ngbModal: NgbModal' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts **L151**
Member 'simpleModalService: SimpleModalService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-session-edit-page/instructor-session-edit-page.component.ts **L183**
Member 'changeDetectorRef: ChangeDetectorRef' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-student-list-page/instructor-student-list-page.component.ts **L63**
Member 'tableComparatorService: TableComparatorService' is never reassigned; mark it as `readonly`.

src/web/app/pages-student/student-home-page/student-home-page.component.ts **L85**
Member 'tableComparatorService: TableComparatorService' is never reassigned; mark it as `readonly`.

src/web/app/pages-help/instructor-help-page/instructor-help-page.component.ts **L53**
Member 'document: Document' is never reassigned; mark it as `readonly`.

**Detalle de Evidencias**

src/web/app/pages-help/instructor-help-page/instructor-help-page.component.ts **L51**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

src/web/app/pages-help/instructor-help-page/instructor-help-page.component.ts **L52**
Member 'pageScrollService: PageScrollService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-search-page/admin-search-page.component.ts **L56**
Member 'emailGenerationService: EmailGenerationService' is never reassigned; mark it as `readonly`.

src/web/app/components/sessions-recycle-bin-table/recycle-bin-table-format-date.pipe.ts **L12**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

src/web/app/components/teammates-common/format-date-brief.pipe.ts **L12**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

src/web/app/components/teammates-common/format-date-detail.pipe.ts **L12**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-result-page/session-result-page.component.ts **L109**
Member 'backendUrl' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-result-page/session-result-page.component.ts **L113**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-result-page/session-result-page.component.ts **L114**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-result-page/session-result-page.component.ts **L115**
Member 'navigationService: NavigationService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-result-page/session-result-page.component.ts **L116**
Member 'authService: AuthService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-result-page/session-result-page.component.ts **L117**
Member 'studentService: StudentService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts **L137**
Member 'backendUrl' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts **L154**
Member 'navigationService: NavigationService' is never reassigned; mark it as `readonly`.

src/web/app/user-join-page.component.ts **L35**
Member 'backendUrl' is never reassigned; mark it as `readonly`.

src/web/app/user-join-page.component.ts **L41**
Member 'authService: AuthService' is never reassigned; mark it as `readonly`.

src/web/app/components/question-responses/single-statistics/single-statistics.component.ts **L39**
Member 'feedbackResponsesService: FeedbackResponsesService' is never reassigned; mark it as `readonly`.

src/web/app/components/student-list/student-list.component.ts **L73**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

src/web/app/components/sortable-table/sortable-table.component.ts **L102**
Member 'tableComparatorService: TableComparatorService' is never reassigned; mark it as `readonly`.

src/web/app/components/question-responses/gqr-rqg-view-responses/gqr-rqg-view-responses.component.ts **L72**
Member 'feedbackResponsesService: FeedbackResponsesService' is never reassigned; mark it as `readonly`.

src/web/app/components/question-responses/grq-rgq-view-responses/grq-rgq-view-responses.component.ts **L69**
Member 'feedbackResponsesService: FeedbackResponsesService' is never reassigned; mark it as `readonly`.

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📄 src/web/app/components/question-responses/per-question-view-responses/per-question-view-responses.component.ts **L63**
Member 'feedbackResponsesService: FeedbackResponsesService' is never reassigned; mark it as `readonly`

📄 src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-page.component.ts **L155**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-instructor/instructor-student-records-page/instructor-student-records-page.component.ts **L61**
Member 'instructorService: InstructorService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-instructor/instructor-student-records-page/instructor-student-records-page.component.ts **L62**
Member 'commentsToCommentTableModel: CommentsToCommentTableModelPipe' is never reassigned; mark it as `readonl...

📄 src/web/app/components/comment-box/comments-to-comment-table-model.pipe.ts **L13**
Member 'commentToCommentRowModel: CommentToCommentRowModelPipe' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-page.component.ts **L157**
Member 'commentsToCommentTableModel: CommentsToCommentTableModelPipe' is never reassigned; mark it as `readonl...

📄 src/web/app/pages-instructor/instructor-student-records-page/instructor-student-records-page.component.ts **L60**
Member 'studentService: StudentService' is never reassigned; mark it as `readonly`

📄 src/web/app/pages-instructor/instructor-student-records-page/instructor-student-records-page.component.ts **L59**
Member 'feedbackSessionsService: FeedbackSessionsService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-admin/admin-search-page/admin-search-page.component.ts **L54**
Member 'studentService: StudentService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-student/student-course-details-page/student-course-details-page.component.ts **L58**
Member 'tableComparatorService: TableComparatorService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-student/student-course-details-page/student-course-details-page.component.ts **L59**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/comment-box/comment-edit-form/comment-edit-form.component.ts **L87**
Member 'commentService: FeedbackResponseCommentService' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/question-responses/per-question-view-responses/per-question-view-responses.component.ts **L62**
Member 'tableComparatorService: TableComparatorService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-page.component.ts **L153**
Member 'instructorService: InstructorService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-admin/admin-search-page/admin-search-page.component.ts **L50**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-admin/admin-search-page/admin-search-page.component.ts **L52**
Member 'accountService: AccountService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-admin/admin-search-page/admin-search-page.component.ts **L55**
Member 'searchService: SearchService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-instructor/instructor-search-page/instructor-search-page.component.ts **L34**
Member 'searchService: SearchService' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/question-submission-form/question-submission-form.component.ts **L180**
Member 'feedbackQuestionsService: FeedbackQuestionsService' is never reassigned; mark it as `readonly`.

📄 src/web/app/components/question-submission-form/question-submission-form.component.ts **L181**
Member 'feedbackResponseService: FeedbackResponsesService' is never reassigned; mark it as `readonly`.

📄 src/web/app/pages-session/session-submission-page/session-submission-page.component.ts **L153**
Member 'authService: AuthService' is never reassigned; mark it as `readonly`.

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src/web/app/pages-session/session-submission-page/session-submission-page.component.ts **L155**
Member 'commentService: FeedbackResponseCommentService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-accounts-page/admin-accounts-page.component.ts **L36**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-accounts-page/admin-accounts-page.component.ts **L37**
Member 'instructorService: InstructorService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-accounts-page/admin-accounts-page.component.ts **L38**
Member 'studentService: StudentService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-accounts-page/admin-accounts-page.component.ts **L39**
Member 'navigationService: NavigationService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-accounts-page/admin-accounts-page.component.ts **L40**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-accounts-page/admin-accounts-page.component.ts **L41**
Member 'accountService: AccountService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-accounts-page/admin-accounts-page.component.ts **L42**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-sessions-page/admin-sessions-page.component.ts **L57**
Member 'feedbackSessionsService: FeedbackSessionsService' is never reassigned; mark it as `readonly`.

src/web/app/pages-help/session-links-recovery/session-links-recovery-page.component.ts **L33**
Member 'feedbackSessionsService: FeedbackSessionsService' is never reassigned; mark it as `readonly`.

src/web/app/pages-monitoring/timezone-page/timezone-page.component.ts **L23**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts **L141**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts **L142**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts **L143**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts **L144**
Member 'feedbackQuestionsService: FeedbackQuestionsService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts **L145**
Member 'feedbackResponsesService: FeedbackResponsesService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts **L146**
Member 'feedbackSessionsService: FeedbackSessionsService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts **L147**
Member 'studentService: StudentService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts **L148**
Member 'instructorService: InstructorService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts **L152**
Member 'pageScrollService: PageScrollService' is never reassigned; mark it as `readonly`.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts **L157**
Member 'document: any' is never reassigned; mark it as `readonly`.

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src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.ts **L83**
Member 'studentService: StudentService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-edit-page/instructor-course-edit-page.component.ts **L152**
Member 'instructorService: InstructorService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-page.component.ts **L148**
Member 'feedbackSessionsService: FeedbackSessionsService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-page.component.ts **L150**
Member 'feedbackQuestionsService: FeedbackQuestionsService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-page.component.ts **L151**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-page.component.ts **L152**
Member 'studentService: StudentService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-page.component.ts **L154**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-session-edit-page/instructor-session-edit-page.component.ts **L180**
Member 'studentService: StudentService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-sessions-page/instructor-sessions-page.component.ts **L120**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-student-list-page/instructor-student-list-page.component.ts **L59**
Member 'instructorService: InstructorService' is never reassigned; mark it as `readonly`.

src/web/app/pages-student/student-course-details-page/student-course-details-page.component.ts **L60**
Member 'instructorService: InstructorService' is never reassigned; mark it as `readonly`.

src/web/app/pages-student/student-home-page/student-home-page.component.ts **L80**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

src/web/app/pages-student/student-home-page/student-home-page.component.ts **L81**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

src/web/app/pages-student/student-home-page/student-home-page.component.ts **L82**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-student/student-home-page/student-home-page.component.ts **L83**
Member 'feedbackSessionsService: FeedbackSessionsService' is never reassigned; mark it as `readonly`.

src/web/app/pages-student/student-home-page/student-home-page.component.ts **L84**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

.../web/app/pages-instructor/instructor-course-student-edit-page/instructor-course-student-edit-page.component.ts **L47**
Member 'studentService: StudentService' is never reassigned; mark it as `readonly`.

...pp/pages-instructor/instructor-course-student-details-page/instructor-course-student-details-page.component.ts **L27**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

...pp/pages-instructor/instructor-course-student-details-page/instructor-course-student-details-page.component.ts **L28**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-student-records-page/instructor-student-records-page.component.ts **L58**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-edit-page/instructor-course-edit-page.component.ts **L151**
Member 'studentService: StudentService' is never reassigned; mark it as `readonly`.

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src/web/app/pages-instructor/instructor-course-edit-page/instructor-course-edit-page.component.ts **L153**
Member 'feedbackSessionsService: FeedbackSessionsService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-edit-page/instructor-course-edit-page.component.ts **L156**
Member 'authService: AuthService' is never reassigned; mark it as `readonly`.

src/web/app/public-page.component.ts **L14**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

.../components/question-types/question-edit-details-form/constsum-options-question-edit-details-form.component.ts **L26**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/components/loader-bar/loader-bar.component.ts **L16**
Member 'loadingBarService: LoadingBarService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-search-page/instructor-search-page.component.ts **L33**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-student-list-page/instructor-student-list-page.component.ts **L60**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-student-list-page/instructor-student-list-page.component.ts **L61**
Member 'studentService: StudentService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-student-list-page/instructor-student-list-page.component.ts **L62**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-student/student-course-details-page/student-course-details-page.component.ts **L61**
Member 'studentService: StudentService' is never reassigned; mark it as `readonly`.

src/web/app/pages-student/student-course-details-page/student-course-details-page.component.ts **L62**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-enroll-page/instructor-course-enroll-page.component.ts **L103**
Member 'studentService: StudentService' is never reassigned; mark it as `readonly`.

src/web/app/page.component.ts **L75**
Member 'router: Router' is never reassigned; mark it as `readonly`.

src/web/app/page.component.ts **L75**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

src/web/app/page.component.ts **L75**
Member 'title: Title' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.ts **L105**
Member 'studentService: StudentService' is never reassigned; mark it as `readonly`.

src/web/app/components/question-types/question-edit-details-form/msq-field/msq-field.component.ts **L32**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

...eb/app/components/question-types/question-edit-details-form/rank-options-field/rank-options-field.component.ts **L32**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-enroll-page/instructor-course-enroll-page.component.ts **L102**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

src/web/app/components/question-types/question-edit-details-form/mcq-field/mcq-field.component.ts **L35**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/page.component.ts **L170**
Member 'elementRef: ElementRef' is never reassigned; mark it as `readonly`.

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src/web/app/pages-instructor/instructor-session-edit-page/instructor-session-edit-page.component.ts **L181**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-session-edit-page/instructor-session-edit-page.component.ts **L182**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

src/web/app/pages-help/session-links-recovery/session-links-recovery-page.component.ts **L34**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.ts **L104**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.ts **L80**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-edit-page/instructor-course-edit-page.component.ts **L155**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

src/web/app/user-join-page.component.ts **L37**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

src/web/app/user-join-page.component.ts **L39**
Member 'courseService: CourseService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-sessions-page/admin-sessions-page.component.ts **L55**
Member 'timezoneService: TimezoneService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-sessions-page/admin-sessions-page.component.ts **L56**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/components/teammates-common/safe-html.pipe.ts **L12**
Member 'domSanitizer: DomSanitizer' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.ts **L103**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-edit-page/instructor-course-edit-page.component.ts **L149**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-edit-page/instructor-course-edit-page.component.ts **L150**
Member 'navigationService: NavigationService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-edit-page/instructor-course-edit-page.component.ts **L154**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.ts **L78**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-enroll-page/instructor-course-enroll-page.component.ts **L100**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

src/web/app/pages-instructor/instructor-course-enroll-page/instructor-course-enroll-page.component.ts **L101**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-admin/admin-page.component.ts **L58**
Member 'backendUrl' is never reassigned; mark it as `readonly`.

…/web/app/pages-instructor/instructor-course-student-edit-page/instructor-course-student-edit-page.component.ts **L45**
Member 'route: ActivatedRoute' is never reassigned; mark it as `readonly`.

…/web/app/pages-instructor/instructor-course-student-edit-page/instructor-course-student-edit-page.component.ts **L46**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

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src/web/app/pages-instructor/instructor-page.component.ts **L63**
Member 'backendUrl' is never reassigned; mark it as `readonly`.

...app/pages-instructor/instructor-session-edit-page/template-question-modal/template-question-modal.component.ts **L29**
Member 'feedbackQuestionsService: FeedbackQuestionsService' is never reassigned; mark it as `readonly`.

src/web/app/pages-static/request-page/request-page.component.ts **L20**
Member 'sanitizer: DomSanitizer' is never reassigned; mark it as `readonly`.

src/web/app/pages-static/static-page.component.ts **L63**
Member 'backendUrl' is never reassigned; mark it as `readonly`.

src/web/app/pages-student/student-course-details-page/student-course-details-page.component.ts **L63**
Member 'statusMessageService: StatusMessageService' is never reassigned; mark it as `readonly`.

src/web/app/pages-student/student-page.component.ts **L38**
Member 'backendUrl' is never reassigned; mark it as `readonly`.

src/web/app/user-join-page.component.ts **L44**
Member 'ngbModal: NgbModal' is never reassigned; mark it as `readonly`.

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**Rama**  ⌥ master
**Versión**  1.0

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**Regla**
## Label elements should have a text label and an associated control

**Lenguaje**
web

**Evidencias**
**82**

A <label> element should wrap a control element or have an <htmlFor> attribute referencing a control and text content.

🏷 **accessibility**

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📄 ...components/account-requests-table/admin-reject-with-reason-modal/admin-reject-with-reason-modal.component.html
A form label must be associated with a control.
**L11**

📄 ...components/account-requests-table/admin-reject-with-reason-modal/admin-reject-with-reason-modal.component.html
A form label must be associated with a control.
**L17**

📄 src/web/app/components/account-requests-table/admin-edit-request-modal/admin-edit-request-modal.component.html
A form label must be associated with a control.
**L9**

📄 src/web/app/components/account-requests-table/admin-edit-request-modal/admin-edit-request-modal.component.html
A form label must be associated with a control.
**L13**

📄 src/web/app/components/account-requests-table/admin-edit-request-modal/admin-edit-request-modal.component.html
A form label must be associated with a control.
**L17**

📄 src/web/app/components/account-requests-table/admin-edit-request-modal/admin-edit-request-modal.component.html
A form label must be associated with a control.
**L23**

📄 src/web/app/pages-session/session-submission-page/session-submission-page.component.html
A form label must be associated with a control.
**L91**

📄 src/web/app/components/copy-session-modal/copy-session-modal.component.html
A form label must be associated with a control.
**L12**

📄 ...structor/instructor-sessions-page/copy-from-other-sessions-modal/copy-from-other-sessions-modal.component.html
A form label must be associated with a control.
**L16**

📄 src/web/app/login-page.component.html
A form label must be associated with a control.
**L25**

📄 src/web/app/pages-instructor/instructor-student-activity-logs/instructor-student-activity-logs.component.html
A form label must be associated with a control.
**L24**

📄 src/web/app/pages-admin/admin-notifications-page/notification-edit-form/notification-edit-form.component.html
A form label must be associated with a control.
**L83**

📄 src/web/app/pages-admin/admin-notifications-page/notification-edit-form/notification-edit-form.component.html
A form label must be associated with a control.
**L101**

📄 src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.html
A form label must be associated with a control.
**L7**

📄 src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.html
A form label must be associated with a control.
**L13**

📄 src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.html
A form label must be associated with a control.
**L19**

## Detalle de Evidencias

📄 src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.html **L25**
A form label must be associated with a control.

📄 src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.html **L31**
A form label must be associated with a control.

📄 src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.html **L37**
A form label must be associated with a control.

📄 src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.html **L43**
A form label must be associated with a control.

📄 ...eb/app/pages-instructor/instructor-course-edit-page/instructor-edit-panel/instructor-edit-panel.component.html **L84**
A form label must be associated with a control.

📄 src/web/app/pages-session/session-result-page/session-result-page.component.html **L44**
A form label must be associated with a control.

📄 src/web/app/pages-session/session-result-page/session-result-page.component.html **L48**
A form label must be associated with a control.

📄 src/web/app/pages-session/session-result-page/session-result-page.component.html **L52**
A form label must be associated with a control.

📄 src/web/app/pages-session/session-result-page/session-result-page.component.html **L56**
A form label must be associated with a control.

📄 src/web/app/pages-session/session-result-page/session-result-page.component.html **L60**
A form label must be associated with a control.

📄 src/web/app/pages-session/session-result-page/session-result-page.component.html **L64**
A form label must be associated with a control.

📄 src/web/app/pages-session/session-submission-page/session-submission-page.component.html **L63**
A form label must be associated with a control.

📄 src/web/app/pages-session/session-submission-page/session-submission-page.component.html **L67**
A form label must be associated with a control.

📄 src/web/app/pages-session/session-submission-page/session-submission-page.component.html **L71**
A form label must be associated with a control.

📄 src/web/app/pages-session/session-submission-page/session-submission-page.component.html **L75**
A form label must be associated with a control.

📄 src/web/app/pages-session/session-submission-page/session-submission-page.component.html **L79**
A form label must be associated with a control.

📄 src/web/app/pages-session/session-submission-page/session-submission-page.component.html **L83**
A form label must be associated with a control.

📄 src/web/app/pages-session/session-submission-page/session-submission-page.component.html **L87**
A form label must be associated with a control.

📄 src/web/app/components/copy-course-modal/copy-course-modal.component.html **L27**
A form label must be associated with a control.

📄 src/web/app/components/copy-course-modal/copy-course-modal.component.html **L39**
A form label must be associated with a control.

📄 src/web/app/pages-student/student-course-details-page/student-course-details-page.component.html **L25**
A form label must be associated with a control.

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### Detalle de Evidencias

src/web/app/components/view-results-panel/view-results-panel.component.html **L32**
A form label must be associated with a control.

src/web/app/components/view-results-panel/view-results-panel.component.html **L45**
A form label must be associated with a control.

src/web/app/components/copy-course-modal/copy-course-modal.component.html **L12**
A form label must be associated with a control.

src/web/app/components/copy-course-modal/copy-course-modal.component.html **L15**
A form label must be associated with a control.

src/web/app/components/copy-course-modal/copy-course-modal.component.html **L21**
A form label must be associated with a control.

src/web/app/components/copy-course-modal/copy-course-modal.component.html **L51**
A form label must be associated with a control.

...eb/app/pages-instructor/instructor-course-student-edit-page/instructor-course-student-edit-page.component.html **L10**
A form label must be associated with a control.

src/web/app/components/session-edit-form/session-edit-form.component.html **L135**
A form label must be associated with a control.

src/web/app/components/session-edit-form/session-edit-form.component.html **L158**
A form label must be associated with a control.

src/web/app/components/session-edit-form/session-edit-form.component.html **L223**
A form label must be associated with a control.

src/web/app/components/session-edit-form/session-edit-form.component.html **L261**
A form label must be associated with a control.

src/web/app/components/sessions-table/respondent-list-info-table/respondent-list-info-table.component.html **L6**
A form label must be associated with a control.

src/web/app/components/sessions-table/respondent-list-info-table/respondent-list-info-table.component.html **L55**
A form label must be associated with a control.

src/web/app/components/sessions-table/respondent-list-info-table/respondent-list-info-table.component.html **L85**
A form label must be associated with a control.

src/web/app/components/sessions-table/respondent-list-info-table/respondent-list-info-table.component.html **L118**
A form label must be associated with a control.

src/web/app/pages-student/student-course-details-page/student-course-details-page.component.html **L9**
A form label must be associated with a control.

src/web/app/pages-student/student-course-details-page/student-course-details-page.component.html **L17**
A form label must be associated with a control.

src/web/app/pages-student/student-course-details-page/student-course-details-page.component.html **L35**
A form label must be associated with a control.

src/web/app/pages-student/student-course-details-page/student-course-details-page.component.html **L48**
A form label must be associated with a control.

src/web/app/pages-student/student-course-details-page/student-course-details-page.component.html **L56**
A form label must be associated with a control.

src/web/app/pages-student/student-course-details-page/student-course-details-page.component.html **L64**
A form label must be associated with a control.

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|---|---|---|---|
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## Detalle de Evidencias

📄 src/web/app/pages-student/student-course-details-page/student-course-details-page.component.html **L72**
A form label must be associated with a control.

📄 src/web/app/pages-student/student-course-details-page/student-course-details-page.component.html **L104**
A form label must be associated with a control.

📄 src/web/app/pages-student/student-course-details-page/student-course-details-page.component.html **L107**
A form label must be associated with a control.

📄 src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-page.component.html **L32**
A form label must be associated with a control.

📄 src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-page.component.html **L10**
A form label must be associated with a control.

📄 src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-page.component.html **L16**
A form label must be associated with a control.

📄 src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-page.component.html **L26**
A form label must be associated with a control.

📄 src/web/app/pages-help/session-links-recovery/session-links-recovery-page.component.html **L14**
A form label must be associated with a control.

📄 src/web/app/components/course-related-info/course-related-info.component.html **L11**
A form label must be associated with a control.

📄 src/web/app/components/course-related-info/course-related-info.component.html **L24**
A form label must be associated with a control.

📄 src/web/app/components/course-related-info/course-related-info.component.html **L32**
A form label must be associated with a control.

📄 src/web/app/components/course-related-info/course-related-info.component.html **L40**
A form label must be associated with a control.

📄 src/web/app/components/course-related-info/course-related-info.component.html **L48**
A form label must be associated with a control.

📄 ...structor/instructor-sessions-page/copy-from-other-sessions-modal/copy-from-other-sessions-modal.component.html **L9**
A form label must be associated with a control.

📄 ...structor/instructor-sessions-page/copy-from-other-sessions-modal/copy-from-other-sessions-modal.component.html **L26**
A form label must be associated with a control.

📄 src/web/app/components/error-report/error-report.component.html **L30**
A form label must be associated with a control.

📄 src/web/app/components/error-report/error-report.component.html **L35**
A form label must be associated with a control.

📄 src/web/app/components/error-report/error-report.component.html **L40**
A form label must be associated with a control.

📄 src/web/app/pages-admin/admin-accounts-page/admin-accounts-page.component.html **L4**
A form label must be associated with a control.

📄 src/web/app/pages-admin/admin-accounts-page/admin-accounts-page.component.html **L7**
A form label must be associated with a control.

📄 src/web/app/pages-admin/admin-accounts-page/admin-accounts-page.component.html **L10**
A form label must be associated with a control.

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**Detalle de Evidencias**

src/web/app/pages-admin/admin-sessions-page/admin-sessions-page.component.html **L27**
A form label must be associated with a control.

src/web/app/pages-admin/admin-sessions-page/admin-sessions-page.component.html **L51**
A form label must be associated with a control.

src/web/app/pages-admin/admin-sessions-page/admin-sessions-page.component.html **L75**
A form label must be associated with a control.

**Regla**
# CSS files should not be empty

**Lenguaje**
css

**Evidencias**
**80**

Why is this an issue? This rule raises an issue when a CSS file is empty (ie: containing only spaces)..

## Detalle de Evidencias

src/web/app/components/account-requests-table/admin-edit-request-modal/admin-edit-request-modal.component.scss **L1**
Unexpected empty source

...components/account-requests-table/admin-reject-with-reason-modal/admin-reject-with-reason-modal.component.scss **L1**
Unexpected empty source

src/web/app/components/comment-box/comment-edit-form/comment-edit-form.component.scss **L1**
Unexpected empty source

src/web/app/components/comment-box/comment-table-modal/comment-table-modal.component.scss **L1**
Unexpected empty source

src/web/app/components/loading-retry/loading-retry.component.scss **L1**
Unexpected empty source

src/web/app/components/logs-histogram/logs-histogram.component.scss **L1**
Unexpected empty source

src/web/app/components/logs-table/log-details/email-log-details.component.scss **L1**
Unexpected empty source

src/web/app/components/logs-table/log-details/exception-log-details.component.scss **L1**
Unexpected empty source

src/web/app/components/logs-table/log-details/generic-log-details.component.scss **L1**
Unexpected empty source

src/web/app/components/logs-table/log-details/request-log-details.component.scss **L1**
Unexpected empty source

src/web/app/components/logs-table/log-line/exception-log-line.component.scss **L1**
Unexpected empty source

src/web/app/components/logs-table/log-line/generic-log-line.component.scss **L1**
Unexpected empty source

src/web/app/components/logs-table/log-line/request-log-line.component.scss **L1**
Unexpected empty source

src/web/app/components/modified-timestamps-modal/modified-timestamps-modal.component.scss **L1**
Unexpected empty source

src/web/app/components/question-responses/single-response/single-response.component.scss **L1**
Unexpected empty source

src/web/app/components/question-responses/single-statistics/single-statistics.component.scss **L1**
Unexpected empty source

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| --- | --- | --- | --- |
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**Detalle de Evidencias**

src/web/app/components/question-responses/student-view-responses/student-view-responses.component.scss **L1**
Unexpected empty source

...components/question-types/question-additional-info/constsum-recipients-question-additional-info.component.scss **L1**
Unexpected empty source

...eb/app/components/question-types/question-additional-info/contribution-question-additional-info.component.scss **L1**
Unexpected empty source

src/web/app/components/question-types/question-additional-info/mcq-question-additional-info.component.scss **L1**
Unexpected empty source

src/web/app/components/question-types/question-additional-info/msq-question-additional-info.component.scss **L1**
Unexpected empty source

...c/web/app/components/question-types/question-additional-info/num-scale-question-additional-info.component.scss **L1**
Unexpected empty source

...eb/app/components/question-types/question-additional-info/rank-options-question-additional-info.component.scss **L1**
Unexpected empty source

...app/components/question-types/question-additional-info/rank-recipients-question-additional-info.component.scss **L1**
Unexpected empty source

src/web/app/components/question-types/question-additional-info/rubric-question-additional-info.component.scss **L1**
Unexpected empty source

src/web/app/components/question-types/question-additional-info/text-question-additional-info.component.scss **L1**
Unexpected empty source

...c/web/app/components/question-types/question-constraint/constsum-recipients-question-constraint.component.scss **L1**
Unexpected empty source

src/web/app/components/question-types/question-constraint/contribution-question-constraint.component.scss **L1**
Unexpected empty source

src/web/app/components/question-types/question-constraint/num-scale-question-constraint.component.scss **L1**
Unexpected empty source

src/web/app/components/question-types/question-constraint/rank-recipients-question-constraint.component.scss **L1**
Unexpected empty source

src/web/app/components/question-types/question-constraint/text-question-constraint.component.scss **L1**
Unexpected empty source

.../components/question-types/question-edit-answer-form/constsum-options-question-edit-answer-form.component.scss **L1**
Unexpected empty source

...mponents/question-types/question-edit-answer-form/constsum-recipients-question-edit-answer-form.component.scss **L1**
Unexpected empty source

...pp/components/question-types/question-edit-details-form/contribution-question-edit-details-form.component.scss **L1**
Unexpected empty source

...b/app/components/question-types/question-edit-details-form/num-scale-question-edit-details-form.component.scss **L1**
Unexpected empty source

...components/question-types/question-edit-details-form/rank-recipients-question-edit-details-form.component.scss **L1**
Unexpected empty source

src/web/app/components/question-types/question-edit-details-form/weight-field/weight-field.component.scss **L1**
Unexpected empty source

### Detalle de Evidencias

| | |
|---|---|
| src/web/app/components/question-types/question-instruction/num-scale-question-instruction.component.scss<br>Unexpected empty source | **L1** |
| src/web/app/components/question-types/question-instruction/text-question-instruction.component.scss<br>Unexpected empty source | **L1** |
| src/web/app/components/question-types/question-response/constsum-question-response.component.scss<br>Unexpected empty source | **L1** |
| src/web/app/components/question-types/question-response/mcq-question-response.component.scss<br>Unexpected empty source | **L1** |
| src/web/app/components/question-types/question-response/msq-question-response.component.scss<br>Unexpected empty source | **L1** |
| src/web/app/components/question-types/question-response/num-scale-question-response.component.scss<br>Unexpected empty source | **L1** |
| src/web/app/components/question-types/question-response/rank-options-question-response.component.scss<br>Unexpected empty source | **L1** |
| src/web/app/components/question-types/question-response/rank-recipients-question-response.component.scss<br>Unexpected empty source | **L1** |
| src/web/app/components/question-types/question-response/text-question-response.component.scss<br>Unexpected empty source | **L1** |
| src/web/app/components/question-types/question-statistics/constsum-options-question-statistics.component.scss<br>Unexpected empty source | **L1** |
| ...c/web/app/components/question-types/question-statistics/constsum-recipients-question-statistics.component.scss<br>Unexpected empty source | **L1** |
| ...ion-types/question-statistics/contribution-question-statistics/contribution-question-statistics.component.scss<br>Unexpected empty source | **L1** |
| ...s/question-types/question-statistics/contribution-question-statistics/contribution-ratings-list.component.scss<br>Unexpected empty source | **L1** |
| src/web/app/components/question-types/question-statistics/mcq-question-statistics.component.scss<br>Unexpected empty source | **L1** |
| src/web/app/components/question-types/question-statistics/msq-question-statistics.component.scss<br>Unexpected empty source | **L1** |
| src/web/app/components/question-types/question-statistics/num-scale-question-statistics.component.scss<br>Unexpected empty source | **L1** |
| src/web/app/components/question-types/question-statistics/rank-options-question-statistics.component.scss<br>Unexpected empty source | **L1** |
| src/web/app/components/question-types/question-statistics/rank-recipients-question-statistics.component.scss<br>Unexpected empty source | **L1** |
| src/web/app/components/question-types/question-statistics/rubric-question-statistics.component.scss<br>Unexpected empty source | **L1** |
| src/web/app/components/question-types/question-statistics/text-question-statistics.component.scss<br>Unexpected empty source | **L1** |
| src/web/app/components/status-message/status-message.component.scss<br>Unexpected empty source | **L1** |

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|---|---|
| **Nombre del proyecto** | teammates-frontend-clean-v2 |

**Rama** ⎇ master
**Versión** 1.0

**Fecha de Análisis**
2025-07-23

### Detalle de Evidencias

📄 src/web/app/components/timepicker/timepicker.component.scss **L1**
Unexpected empty source

📄 src/web/app/components/user-notifications-list/user-notifications-list.component.scss **L1**
Unexpected empty source

📄 src/web/app/login-page.component.scss **L1**
Unexpected empty source

📄 src/web/app/maintenance-page.component.scss **L1**
Unexpected empty source

📄 src/web/app/page-not-found/page-not-found.component.scss **L1**
Unexpected empty source

📄 src/web/app/pages-admin/admin-home-page/new-instructor-data-row/new-instructor-data-row.component.scss **L1**
Unexpected empty source

📄 src/web/app/pages-help/session-links-recovery/session-links-recovery-page.component.scss **L1**
Unexpected empty source

📄 src/web/app/pages-instructor/instructor-course-edit-page/instructor-course-edit-page.component.scss **L1**
Unexpected empty source

📄 ...es-instructor/instructor-course-edit-page/view-role-privileges-modal/view-role-privileges-modal.component.scss **L1**
Unexpected empty source

📄 .../pages-instructor/instructor-course-student-details-page/instructor-course-student-details-page.component.scss **L1**
Unexpected empty source

📄 src/web/app/pages-instructor/instructor-notifications-page/instructor-notifications-page.component.scss **L1**
Unexpected empty source

📄 src/web/app/pages-instructor/instructor-search-page/instructor-search-page.component.scss **L1**
Unexpected empty source

📄 ...ssion-individual-extension-page/individual-extension-date-modal/individual-extension-date-modal.component.scss **L1**
Unexpected empty source

📄 ...instructor/instructor-session-result-page/response-moderation-button/response-moderation-button.component.scss **L1**
Unexpected empty source

📄 ...sessions-page/session-permanent-deletion-confirm-modal/session-permanent-deletion-confirm-modal.component.scss **L1**
Unexpected empty source

📄 ...ssions-page/sessions-permanent-deletion-confirm-modal/sessions-permanent-deletion-confirm-modal.component.scss **L1**
Unexpected empty source

📄 src/web/app/pages-instructor/instructor-student-records-page/instructor-student-records-page.component.scss **L1**
Unexpected empty source

📄 src/web/app/pages-maintainer/maintainer-page.component.scss **L1**
Unexpected empty source

📄 src/web/app/pages-monitoring/timezone-page/timezone-page.component.scss **L1**
Unexpected empty source

📄 src/web/app/pages-session/session-submission-page/saving-complete-modal/saving-complete-modal.component.scss **L1**
Unexpected empty source

📄 src/web/app/pages-student/student-notifications-page/student-notifications-page.component.scss **L1**
Unexpected empty source

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**Detalle de Evidencias**

src/web/app/user-join-page.component.scss          **L1**
Unexpected empty source

**Regla**

# Non-interactive DOM elements should not have the `tabIndex` property

**Lenguaje** web

**Evidencias** 13

Navigation using the Tab key should be restricted to elements on the page that users can interact with.

🏷️ **accessibility**

---

**Detalle de Evidencias**

📄 src/web/app/pages-static/request-page/instructor-request-form/instructor-request-form.component.html **L118**
"tabIndex" should only be declared on interactive elements.

📄 src/web/app/pages-static/request-page/instructor-request-form/instructor-request-form.component.html **L15**
"tabIndex" should only be declared on interactive elements.

📄 src/web/app/pages-static/request-page/instructor-request-form/instructor-request-form.component.html **L18**
"tabIndex" should only be declared on interactive elements.

📄 src/web/app/pages-static/request-page/instructor-request-form/instructor-request-form.component.html **L21**
"tabIndex" should only be declared on interactive elements.

📄 src/web/app/pages-static/request-page/instructor-request-form/instructor-request-form.component.html **L37**
"tabIndex" should only be declared on interactive elements.

📄 src/web/app/pages-static/request-page/instructor-request-form/instructor-request-form.component.html **L41**
"tabIndex" should only be declared on interactive elements.

📄 src/web/app/pages-static/request-page/instructor-request-form/instructor-request-form.component.html **L45**
"tabIndex" should only be declared on interactive elements.

📄 src/web/app/pages-static/request-page/instructor-request-form/instructor-request-form.component.html **L61**
"tabIndex" should only be declared on interactive elements.

📄 src/web/app/pages-static/request-page/instructor-request-form/instructor-request-form.component.html **L65**
"tabIndex" should only be declared on interactive elements.

📄 src/web/app/pages-static/request-page/instructor-request-form/instructor-request-form.component.html **L69**
"tabIndex" should only be declared on interactive elements.

📄 src/web/app/pages-static/request-page/instructor-request-form/instructor-request-form.component.html **L86**
"tabIndex" should only be declared on interactive elements.

📄 src/web/app/pages-static/request-page/instructor-request-form/instructor-request-form.component.html **L90**
"tabIndex" should only be declared on interactive elements.

📄 src/web/app/pages-static/request-page/instructor-request-form/instructor-request-form.component.html **L94**
"tabIndex" should only be declared on interactive elements.

**Regla**
# Optional chaining should be preferred

**Lenguaje**
ts

**Evidencias**
**13**

Why is this an issue? Optional chaining allows to safely access nested properties or methods of an object without having to check for the existence of each intermediate property manually.

## Detalle de Evidencias

...p/components/account-requests-table/admin-reject-with-reason-modal/admin-reject-with-reason-modal.component.ts    **L86**
Prefer using an optional chain expression instead, as it's more concise and easier to read.

src/web/app/components/question-response-panel/question-response-panel.component.ts    **L130**
Prefer using an optional chain expression instead, as it's more concise and easier to read.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts    **L1074**
Prefer using an optional chain expression instead, as it's more concise and easier to read.

src/web/app/pages-admin/admin-search-page/admin-search-page.component.ts    **L73**
Prefer using an optional chain expression instead, as it's more concise and easier to read.

src/web/app/pages-instructor/instructor-course-edit-page/instructor-course-edit-page.component.ts    **L570**
Prefer using an optional chain expression instead, as it's more concise and easier to read.

src/web/app/components/logs-table/log-details/exception-log-details.component.ts    **L49**
Prefer using an optional chain expression instead, as it's more concise and easier to read.

src/web/app/pages-instructor/instructor-home-page/instructor-home-page.component.ts    **L521**
Prefer using an optional chain expression instead, as it's more concise and easier to read.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts    **L719**
Prefer using an optional chain expression instead, as it's more concise and easier to read.

src/web/app/pages-instructor/instructor-search-page/instructor-search-page.component.ts    **L64**
Prefer using an optional chain expression instead, as it's more concise and easier to read.

src/web/app/components/question-submission-form/question-submission-form.component.ts    **L437**
Prefer using an optional chain expression instead, as it's more concise and easier to read.

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts    **L1034**
Prefer using an optional chain expression instead, as it's more concise and easier to read.

src/web/app/pages-admin/admin-search-page/admin-search-page.component.ts    **L71**
Prefer using an optional chain expression instead, as it's more concise and easier to read.

src/web/app/pages-admin/admin-search-page/admin-search-page.component.ts    **L72**
Prefer using an optional chain expression instead, as it's more concise and easier to read.

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**Regla**
# Prefer tag over ARIA role

**Lenguaje**
web

**Evidencias**
10

Why is this an issue? ARIA (Accessible Rich Internet Applications) roles are used to make web content and web applications more accessible to people with disabilities.

🏷 **accessibility**

---

**Detalle de Evidencias**

📄 src/web/app/components/question-types/question-response/rubric-question-response.component.html **L13**
Use <img> instead of the img role to ensure accessibility across all devices.

📄 src/web/app/components/question-types/question-edit-answer-form/text-question-edit-answer-form.component.html **L4**
Use <input> or <textarea> instead of the textbox role to ensure accessibility across all devices.

📄 src/web/app/components/question-responses/gqr-rqg-view-responses/gqr-rqg-view-responses.component.html **L4**
Use <button> or <input> instead of the button role to ensure accessibility across all devices.

📄 src/web/app/components/question-responses/gqr-rqg-view-responses/gqr-rqg-view-responses.component.html **L56**
Use <button> or <input> instead of the button role to ensure accessibility across all devices.

📄 src/web/app/components/question-responses/grq-rgq-view-responses/grq-rgq-view-responses.component.html **L4**
Use <button> or <input> instead of the button role to ensure accessibility across all devices.

📄 src/web/app/components/question-responses/grq-rgq-view-responses/grq-rgq-view-responses.component.html **L37**
Use <button> or <input> instead of the button role to ensure accessibility across all devices.

📄 src/web/app/pages-instructor/instructor-course-enroll-page/instructor-course-enroll-page.component.html **L10**
Use <button> or <input> instead of the button role to ensure accessibility across all devices.

📄 src/web/app/components/adding-question-panel/adding-question-panel.component.html **L9**
Use <address> or <details> or <fieldset> or <optgroup> instead of the group role to ensure accessibility acros...

📄 src/web/app/components/ajax-loading/ajax-loading.component.html **L2**
Use <output> instead of the status role to ensure accessibility across all devices.

📄 src/web/app/components/loading-spinner/loading-spinner.component.html **L2**
Use <output> instead of the status role to ensure accessibility across all devices.

Regla
## Methods should not contain selector parameters

Lenguaje
ts

Evidencias
**8**

Why is this an issue? A selector parameter is a boolean parameter that's used to determine which of two paths to take through a method.

🏷 **design**    **type-dependent**

Detalle de Evidencias

📄 src/web/app/login-page.component.ts                                                                    **L95**
Provide multiple methods instead of using "isEmailLink" to determine which action to take.

📄 .../components/question-types/question-edit-details-form/constsum-options-question-edit-details-form.component.ts    **L113**
Provide multiple methods instead of using "event" to determine which action to take

📄 .../components/question-types/question-edit-details-form/constsum-options-question-edit-details-form.component.ts    **L124**
Provide multiple methods instead of using "event" to determine which action to take.

📄 .../app/components/question-types/question-edit-details-form/contribution-question-edit-details-form.component.ts    **L33**
Provide multiple methods instead of using "zeroSum" to determine which action to take.

📄 src/web/app/pages-monitoring/logs-page/logs-page.component.ts                                           **L285**
Provide multiple methods instead of using "isDescendingOrder" to determine which action to take.

📄 src/web/app/components/question-types/question-edit-details-form/mcq-question-edit-details-form.component.ts    **L154**
Provide multiple methods instead of using "checked" to determine which action to take.

📄 src/web/app/components/question-types/question-edit-details-form/msq-question-edit-details-form.component.ts    **L155**
Provide multiple methods instead of using "checked" to determine which action to take.

📄 src/web/app/pipes/session-response-status.pipe.ts                                                       **L12**
Provide multiple methods instead of using "isSessionPublished" to determine which action to take.

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**Regla**
## Attributes deprecated in HTML5 should not be used

**Lenguaje**
web

**Evidencias**
6

Why is this an issue? HTML5 is the fifth and current major version of HTML.

🏷  html5    obsolete

### Detalle de Evidencias

📄 ...pages-help/instructor-help-page/instructor-help-getting-started/instructor-help-getting-started.component.html    **L49**
Remove this deprecated "align" attribute.

📄 ...pages-help/instructor-help-page/instructor-help-getting-started/instructor-help-getting-started.component.html    **L102**
Remove this deprecated "align" attribute.

📄 ...pages-help/instructor-help-page/instructor-help-getting-started/instructor-help-getting-started.component.html    **L154**
Remove this deprecated "align" attribute.

📄 ...pages-help/instructor-help-page/instructor-help-getting-started/instructor-help-getting-started.component.html    **L195**
Remove this deprecated "align" attribute

📄 ...pages-help/instructor-help-page/instructor-help-getting-started/instructor-help-getting-started.component.html    **L221**
Remove this deprecated "align" attribute.

📄 ...pages-help/instructor-help-page/instructor-help-getting-started/instructor-help-getting-started.component.html    **L235**
Remove this deprecated "align" attribute.

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**Regla**
## Non-interactive DOM elements should not have interactive ARIA roles

**Lenguaje**
web

**Evidencias**
**4**

Why is this an issue? Non-interactive DOM elements are those that do not have built-in interactivity or do not require user interaction.

**accessibility**

### Detalle de Evidencias

src/web/app/components/question-responses/gqr-rqg-view-responses/gqr-rqg-view-responses.component.html **L4**
Non-interactive elements should not be assigned interactive roles.

src/web/app/components/question-responses/gqr-rqg-view-responses/gqr-rqg-view-responses.component.html **L56**
Non-interactive elements should not be assigned interactive roles.

src/web/app/components/question-responses/grq-rqg-view-responses/grq-rqg-view-responses.component.html **L4**
Non-interactive elements should not be assigned interactive roles.

src/web/app/components/question-responses/grq-rqg-view-responses/grq-gq-view-responses.component.html **L37**
Non-interactive elements should not be assigned interactive roles.

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**Regla**
# Tables should have headers

**Lenguaje**
web

**Evidencias**
**4**

Why is this an issue? Table headers are essential to enhance the accessibility of a table's data, particularly for assistive technologies like screen readers.

🏷 **accessibility   wcag2-a**

## Detalle de Evidencias

📄 src/web/app/pages-static/about-page/about-page.component.html            **L42**
Add "<th>" headers to this "<table>".

📄 src/web/app/pages-static/about-page/about-page.component.html            **L63**
Add "<th>" headers to this "<table>".

📄 src/web/app/pages-student/student-course-details-page/student-course-details-page.component.html            **L99**
Add "<th>" headers to this "<table>".

📄 src/web/app/components/question-responses/student-view-responses/student-view-responses.component.html            **L6**
Add "<th>" headers to this "<table>".

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**Regla**
## Promises should not be misused

**Lenguaje**
ts

**Evidencias**
4

Why is this an issue? Promises need to be resolved or awaited to return the expected value, otherwise, they return the promise object.

🏷 **async**    **promise**    **type-dependent**

**Detalle de Evidencias**

📄 src/web/app/pages-instructor/instructor-session-base-page.component.ts
Promise-returning function provided to property where a void return was expected.    **L408**

📄 src/web/app/pages-instructor/instructor-sessions-page/instructor-sessions-page.component.ts
Promise-returning function provided to property where a void return was expected.    **L173**

📄 src/web/app/pages-session/session-submission-page/session-submission-page.component.ts
Promise-returning function provided to property where a void return was expected.    **L484**

📄 src/web/app/pages-session/session-submission-page/session-submission-page.component.ts
Promise-returning function provided to property where a void return was expected.    **L500**

Regla

**Two branches in a conditional structure should not have exactly the same implementation**

Why is this an issue? When the same code is duplicated in two or more separate branches of a conditional, it can make the code harder to understand, maintain, and can potentially introduce bugs if one instance of the code is changed but others are not.

🏷️ design    suspicious

Lenguaje
ts

Evidencias
3

Detalle de Evidencias

📄 src/web/app/components/extension-confirm-modal/extension-confirm-modal.component.ts          **L260**
This case's code block is the same as the block for the case on line 256.

📄 ...tructor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.ts          **L533**
This case's code block is the same as the block for the case on line 529.

📄 src/web/app/pages-help/instructor-help-page/instructor-help-section.component.ts          **L113**
This branch's code block is the same as the block for the branch on line 111.

**Regla**

## Focusable elements should not have "aria-hidden" attribute

Lenguaje
web

Evidencias
2

Why is this an issue? ARIA (Accessible Rich Internet Applications) is a set of attributes that define ways to make web content and web applications more accessible to people with disabilities.

🏷️ **accessibility**

### Detalle de Evidencias

📄 ...es-instructor/instructor-course-edit-page/view-role-privileges-modal/view-role-privileges-modal.component.html **L3**
aria-hidden="true" must not be set on focusable elements.

📄 ...eb/app/pages-instructor/instructor-course-student-edit-page/instructor-course-student-edit-page.component.html **L125**
aria-hidden="true" must not be set on focusable elements.

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**Regla**
## Array-mutating methods should not be used misleadingly

**Lenguaje**
ts

**Evidencias**
2

Why is this an issue? In JavaScript, some Array methods do not mutate the existing array that the method was called on, but instead return a new array.

🏷 **type-dependent**

### Detalle de Evidencias

📄 src/web/app/pages-monitoring/logs-page/logs-page.component.ts                                    **L158**
Move this array "sort" operation to a separate statement or replace it with "toSorted".

📄 src/web/app/pages-monitoring/logs-page/logs-page.component.ts                                    **L294**
Move this array "sort" operation to a separate statement or replace it with "toSorted"

**Regla**
**Assignments should not be made from within sub-expressions**

**Lenguaje**
ts

**Evidencias**
2

Why is this an issue? A common code smell that can hinder the clarity of source code is making assignments within sub-expressions.

cwe    suspicious

**Detalle de Evidencias**

src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.ts    **L144**
Extract the assignment of "acc[term]" from this expression.

src/web/app/pages-instructor/instructor-student-list-page/instructor-student-list-page.component.ts    **L133**
Extract the assignment of "acc[term]" from this expression.

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**Regla**
**Ends of strings should be checked with "startsWith()" and "endsWith()"**

**Lenguaje**
ts

**Evidencias**
2

Why is this an issue? When writing code, it is quite common to test patterns against string ends.

🏷 **type-dependent**

---

**Detalle de Evidencias**

📄 src/web/app/pipes/search-terms-highlighter.pipe.ts
Use 'String#startsWith' method instead.

**L47**

📄 src/web/app/pipes/search-terms-highlighter.pipe.ts
Use the 'String#endsWith' method instead.

**L47**

**Regla**
**"Array.reduce()" calls should include an initial value**

**Lenguaje** ts

**Evidencias** 1

Why is this an issue? The Array.prototype.reduce() method in JavaScript is used to apply a function against an accumulator and each element in the array (from left to right) to reduce it to a single output value.

🏷️ **type-dependent**

---

**Detalle de Evidencias**

📄 ...s/question-types/question-statistics/question-statistics-calculation/rubric-question-statistics-calculation.ts     **L267**
Add an initial value to this "reduce()" call.

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**Regla**
**DOM elements with ARIA roles should have a valid non-abstract role**

Lenguaje
web

Evidencias
1

Why is this an issue? ARIA (Accessible Rich Internet Applications) attributes are used to enhance the accessibility of web content and web applications.

🏷 accessibility    react

**Detalle de Evidencias**

📄 ...rc/web/app/components/question-edit-brief-description-form/question-edit-brief-description-form.component.html    **L12**
Elements with ARIA roles must use a valid, non-abstract ARIA role. "text" is not a valid role.

**Regla**

# Redundant type aliases should not be used

**Lenguaje**
ts

**Evidencias**
1

Why is this an issue? TypeScript provides the type mechanism to create a type alias, that is, a new name to refer to an existing type.

**Detalle de Evidencias**

src/web/app/components/sessions-table/sessions-table.component.ts **L38**
Remove this redundant type alias and replace its occurrences with "number".

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**Regla**
## Functions should not have identical implementations

Lenguaje
ts

Evidencias
**1**

Why is this an issue? Two functions having the same implementation are suspicious.

confusing   duplicate   suspicious

**Detalle de Evidencias**

src/web/app/pages-admin/admin-search-page/admin-search-page.component.ts   **L311**
Update this function so that its implementation is not identical to the one on line 294.

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**Regla**
### Sections of code should not be commented out

**Lenguaje**
ts

**Evidencias**
1

Why is this an issue? Commented-out code distracts the focus from the actual executed code.

🏷 **unused**

**Detalle de Evidencias**

📄 src/web/app/components/course-edit-form/course-edit-form.component.ts **L220**
Remove this commented out code.

**Regla**

Lenguaje
web

Evidencias
1

# Heading elements should have accessible content

Why is this an issue? Heading elements are represented by the tags <h1> through <h6>, with <h1> being the highest level and <h6> being the lowest.

**accessibility**

## Detalle de Evidencias

src/web/app/components/simple-modal/simple-modal.component.html                                    **L9**
Headings must have content and the content must be accessible by a screen reader.

Code Smell
**S2310**

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**Regla**

## Loop counters should not be assigned within the loop body

Lenguaje
ts

Evidencias
1

This rule is deprecated; use {rule:javascript:S127} instead.

**Detalle de Evidencias**

src/web/app/pages-instructor/instructor-course-details-page/instructor-course-details-page.component.ts    **L349**
Remove this assignment of "i".

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**Regla**
# Literals should not be used for promise rejection

**Lenguaje**
ts

**Evidencias**
1

Why is this an issue? The use of literals (primitive values such as strings, numbers, booleans, etc.) for promise rejection is generally discouraged.

**Detalle de Evidencias**

src/web/app/pages-instructor/instructor-session-edit-page/instructor-session-edit-page.component.ts    **L277**
Expected the Promise rejection reason to be an Error.

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Regla    Lenguaje    Evidencias
ts    1

**Functions should not have too many parameters**

Why is this an issue? Functions with a long parameter list are difficult to use because maintainers must figure out the role of each parameter and keep track of their position.

🏷 **brain-overload**

**Detalle de Evidencias**

📄 src/web/app/pages-instructor/instructor-session-modal-page.component.ts    **L48**
Constructor has too many parameters (12). Maximum allowed is 7.

# MouseEventWithoutKeyboardEquivalentCheck
Bug

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**Regla**
## Mouse events should have corresponding keyboard events

**Lenguaje**
web

**Evidencias**
123

Why is this an issue? Offering the same experience with the mouse and the keyboard allow users to pick their preferred devices.

🏷 **accessibility**

### Detalle de Evidencias

...rc/web/app/components/question-types/question-edit-answer-form/rubric-question-edit-answer-form.component.html **L30**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <td> tag.

...rc/web/app/components/question-types/question-edit-answer-form/rubric-question-edit-answer-form.component.html **L48**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <label> tag.

...rc/web/app/components/question-types/question-edit-answer-form/rubric-question-edit-answer-form.component.html **L84**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <input> tag.

src/web/app/components/question-responses/grq-rgq-view-responses/grq-rgq-view-responses.component.html **L52**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <tm-response-moderation-button> tag.

src/web/app/components/account-requests-table/account-request-table.component.html **L87**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

src/web/app/components/question-submission-form/question-submission-form.component.html **L2**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

src/web/app/components/sortable-table/sortable-table.component.html **L4**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/pages-student/student-home-page/student-home-page.component.html **L31**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

src/web/app/components/question-responses/gqr-rgq-view-responses/gqr-rgq-view-responses.component.html **L4**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <h6> tag.

src/web/app/components/question-responses/gqr-rgq-view-responses/gqr-rgq-view-responses.component.html **L56**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <h6> tag.

src/web/app/components/question-responses/grq-rgq-view-responses/grq-rgq-view-responses.component.html **L4**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <h6> tag.

src/web/app/components/question-responses/grq-rgq-view-responses/grq-rgq-view-responses.component.html **L37**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <h6> tag.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.html **L34**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.html **L47**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.html **L60**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.html **L217**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

## Detalle de Evidencias

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.html                 **L228**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.html                 **L241**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.html                 **L254**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.html                 **L314**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.html                 **L342**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.html                 **L355**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.html                 **L368**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.html                 **L381**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/pages-instructor/instructor-home-page/instructor-home-page.component.html                 **L42**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

...rc/web/app/pages-instructor/instructor-session-result-page/instructor-session-no-response-panel.component.html                 **L2**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

...c/web/app/components/question-responses/per-question-view-responses/per-question-view-responses.component.html                 **L5**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

...c/web/app/components/question-responses/per-question-view-responses/per-question-view-responses.component.html                 **L15**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

...c/web/app/components/question-responses/per-question-view-responses/per-question-view-responses.component.html                 **L25**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

...c/web/app/components/question-responses/per-question-view-responses/per-question-view-responses.component.html                 **L35**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/components/sessions-recycle-bin-table/sessions-recycle-bin-table.component.html                 **L27**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/components/sessions-recycle-bin-table/sessions-recycle-bin-table.component.html                 **L37**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/components/sessions-recycle-bin-table/sessions-recycle-bin-table.component.html                 **L47**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/components/sessions-recycle-bin-table/sessions-recycle-bin-table.component.html                 **L57**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/pages-admin/admin-notifications-page/notifications-table/notifications-table.component.html                 **L6**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/pages-admin/admin-notifications-page/notifications-table/notifications-table.component.html                 **L16**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/pages-admin/admin-notifications-page/notifications-table/notifications-table.component.html                 **L26**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

**Detalle de Evidencias**

| | |
|---|---|
| 📄 src/web/app/pages-admin/admin-notifications-page/notifications-table/notifications-table.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L36** |
| 📄 src/web/app/pages-admin/admin-notifications-page/notifications-table/notifications-table.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L46** |
| 📄 src/web/app/pages-admin/admin-notifications-page/notifications-table/notifications-table.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L56** |
| 📄 ...e-edit-page/copy-instructors-from-other-courses-modal/copy-instructors-from-other-courses-modal.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L33** |
| 📄 ...e-edit-page/copy-instructors-from-other-courses-modal/copy-instructors-from-other-courses-modal.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L43** |
| 📄 ...e-edit-page/copy-instructors-from-other-courses-modal/copy-instructors-from-other-courses-modal.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L53** |
| 📄 ...e-edit-page/copy-instructors-from-other-courses-modal/copy-instructors-from-other-courses-modal.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L63** |
| 📄 ...ion-edit-page/copy-questions-from-other-sessions-modal/copy-questions-from-other-sessions-modal.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L32** |
| 📄 ...ion-edit-page/copy-questions-from-other-sessions-modal/copy-questions-from-other-sessions-modal.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L42** |
| 📄 ...uctor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L75** |
| 📄 ...uctor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L87** |
| 📄 ...uctor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L99** |
| 📄 ...uctor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L111** |
| 📄 ...uctor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L123** |
| 📄 ...uctor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L169** |
| 📄 ...uctor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L181** |
| 📄 ...uctor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L193** |
| 📄 ...uctor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <th> tag. | **L205** |
| 📄 src/web/app/components/question-responses/gqr-rqg-view-responses/gqr-rqg-view-responses.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <div> tag. | **L74** |
| 📄 src/web/app/components/visibility-panel/visibility-panel.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <input> tag. | **L40** |
| 📄 ...web/app/pages-instructor/instructor-session-result-page/instructor-session-result-question-view.component.html<br>Add a 'onKeyPress\|onKeyDown\|onKeyUp' attribute to this <div> tag. | **L2** |

| | |
|---|---|
| **Nombre del proyecto** | teammates-frontend-clean-v2 |
| **Rama** | 🎋 master |
| **Versión** | 1.0 |
| **Fecha de Análisis** | 2025-07-23 |

### Detalle de Evidencias

📄 src/web/app/pages-instructor/instructor-course-enroll-page/instructor-course-enroll-page.component.html **L10**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <a> tag.

📄 src/web/app/components/question-edit-form/question-edit-form.component.html **L10**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <select> tag.

📄 ...pages-help/instructor-help-page/instructor-help-courses-section/instructor-help-courses-section.component.html **L4**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 ...pages-help/instructor-help-page/instructor-help-general-section/instructor-help-general-section.component.html **L4**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 src/web/app/pages-help/instructor-help-page/instructor-help-panel/instructor-help-panel.component.html **L5**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 ...s-help/instructor-help-page/instructor-help-questions-section/instructor-help-questions-section.component.html **L4**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 ...ges-help/instructor-help-page/instructor-help-sessions-section/instructor-help-sessions-section.component.html **L4**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 ...ges-help/instructor-help-page/instructor-help-students-section/instructor-help-students-section.component.html **L4**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 ...e-edit-page/copy-instructors-from-other-courses-modal/copy-instructors-from-other-courses-modal.component.html **L16**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-gqr-view.component.html **L3**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-grq-view.component.html **L3**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-rgq-view.component.html **L3**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-rqg-view.component.html **L3**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 src/web/app/pages-instructor/instructor-student-activity-logs/instructor-student-activity-logs.component.html **L93**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <input> tag.

📄 src/web/app/pages-instructor/instructor-student-activity-logs/instructor-student-activity-logs.component.html **L97**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <input> tag.

📄 src/web/app/components/user-notifications-list/user-notifications-list.component.html **L26**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 ...uctor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.html **L71**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

📄 ...uctor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.html **L138**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <tr> tag.

📄 ...uctor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.html **L165**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

📄 ...uctor/instructor-session-individual-extension-page/instructor-session-individual-extension-page.component.html **L220**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <tr> tag.

📄 ...ion-edit-page/copy-questions-from-other-sessions-modal/copy-questions-from-other-sessions-modal.component.html **L16**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

**Detalle de Evidencias**

src/web/app/components/copy-course-modal/copy-course-modal.component.html    **L61**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <input> tag.

...eb/app/pages-instructor/instructor-course-edit-page/instructor-edit-panel/instructor-edit-panel.component.html    **L91**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <input> tag.

src/web/app/pages-instructor/instructor-student-activity-logs/instructor-student-activity-logs.component.html    **L109**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

src/web/app/components/logs-table/log-details/request-log-details.component.html    **L11**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <pre> tag.

src/web/app/components/logs-table/log-line/exception-log-line.component.html    **L1**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <span> tag.

src/web/app/components/logs-table/log-line/request-log-line.component.html    **L3**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <span> tag.

src/web/app/components/logs-table/logs-table.component.html    **L14**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <tr> tag.

src/web/app/components/logs-table/logs-table.component.html    **L18**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <span> tag.

src/web/app/components/logs-table/logs-table.component.html    **L34**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <pre> tag.

src/web/app/components/logs-table/logs-table.component.html    **L50**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <span> tag.

src/web/app/components/copy-course-modal/copy-course-modal.component.html    **L68**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <input> tag.

...rc/web/app/pages-instructor/instructor-session-result-page/instructor-session-no-response-panel.component.html    **L42**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

...rc/web/app/components/question-types/question-edit-details-form/text-question-edit-details-form.component.html    **L4**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <input> tag.

src/web/app/components/copy-session-modal/copy-session-modal.component.html    **L23**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <input> tag.

src/web/app/components/sessions-recycle-bin-table/sessions-recycle-bin-table.component.html    **L13**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

...rc/web/app/pages-instructor/instructor-session-result-page/instructor-session-no-response-panel.component.html    **L35**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

src/web/app/pages-admin/admin-sessions-page/admin-sessions-page.component.html    **L115**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

src/web/app/pages-help/instructor-help-page/instructor-help-panel/instructor-help-panel.component.html    **L2**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

src/web/app/pages-instructor/instructor-student-list-page/instructor-student-list-page.component.html    **L25**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

src/web/app/pages-instructor/instructor-student-records-page/instructor-student-records-page.component.html    **L6**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

src/web/app/components/sessions-table/respondent-list-info-table/respondent-list-info-table.component.html    **L10**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

**SonarQube cloud**

## Detalle de Evidencias

📄 src/web/app/components/sessions-table/respondent-list-info-table/respondent-list-info-table.component.html **L18**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

📄 src/web/app/components/sessions-table/respondent-list-info-table/respondent-list-info-table.component.html **L26**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

📄 src/web/app/components/sessions-table/respondent-list-info-table/respondent-list-info-table.component.html **L34**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

📄 src/web/app/components/sessions-table/respondent-list-info-table/respondent-list-info-table.component.html **L42**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

📄 src/web/app/components/sessions-table/respondent-list-info-table/respondent-list-info-table.component.html **L89**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

📄 src/web/app/components/sessions-table/respondent-list-info-table/respondent-list-info-table.component.html **L97**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

📄 src/web/app/components/sessions-table/respondent-list-info-table/respondent-list-info-table.component.html **L105**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <th> tag.

📄 src/web/app/pages-instructor/instructor-home-page/instructor-home-page.component.html **L49**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 src/web/app/pages-instructor/instructor-home-page/instructor-home-page.component.html **L62**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 src/web/app/pages-instructor/instructor-home-page/instructor-home-page.component.html **L70**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 src/web/app/pages-instructor/instructor-home-page/instructor-home-page.component.html **L78**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 src/web/app/pages-instructor/instructor-course-enroll-page/instructor-course-enroll-page.component.html **L22**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 src/web/app/pages-instructor/instructor-course-enroll-page/instructor-course-enroll-page.component.html **L61**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 ...p/pages-instructor/instructor-session-edit-page/template-question-modal/template-question-modal.component.html **L7**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <div> tag.

📄 ...p/pages-instructor/instructor-session-edit-page/template-question-modal/template-question-modal.component.html **L10**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <input> tag.

📄 src/web/app/components/comment-box/comment-edit-form/comment-edit-form.component.html **L36**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <input> tag.

📄 src/web/app/components/question-types/question-edit-answer-form/mcq-question-edit-answer-form.component.html **L6**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <input> tag.

📄 src/web/app/components/question-types/question-edit-answer-form/mcq-question-edit-answer-form.component.html **L23**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <input> tag.

📄 src/web/app/components/question-types/question-edit-answer-form/msq-question-edit-answer-form.component.html **L5**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <input> tag.

📄 src/web/app/components/question-types/question-edit-answer-form/msq-question-edit-answer-form.component.html **L12**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <input> tag.

📄 src/web/app/components/question-types/question-edit-answer-form/msq-question-edit-answer-form.component.html **L22**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <input> tag.

**bitegarden**

| Nombre del proyecto | Rama | master | Fecha de Análisis |
|---|---|---|---|
| teammates-frontend-clean-v2 | Versión | 1.0 | 2025-07-23 |

**Detalle de Evidencias**

src/web/app/pages-admin/admin-search-page/admin-search-page.component.html          **L38**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <tr> tag.

src/web/app/pages-admin/admin-search-page/admin-search-page.component.html          **L129**
Add a 'onKeyPress|onKeyDown|onKeyUp' attribute to this <tr> tag.

**Regla**
**Lenguaje**
ts

**Evidencias**
18

# Redundant casts and non-null assertions should be avoided

Why is this an issue? In TypeScript, casts and non-null assertions are two mechanisms used to inform the TypeScript compiler about the intended types of variables, expressions, or values in the code.

🏷 redundant  type-dependent

---

**Detalle de Evidencias**

src/web/app/pages-session/session-submission-page/session-submission-page.component.ts                **L1306**
This assertion is unnecessary since it does not change the type of the expression.

src/web/app/components/sessions-table/sessions-table.component.ts                **L148**
This assertion is unnecessary since it does not change the type of the expression.

src/web/app/components/sessions-table/sessions-table.component.ts                **L171**
This assertion is unnecessary since it does not change the type of the expression.

src/web/app/pages-instructor/instructor-session-base-page.component.ts                **L505**
This assertion is unnecessary since the receiver accepts the original type of the expression.

src/web/app/pages-instructor/instructor-session-base-page.component.ts                **L507**
This assertion is unnecessary since it does not change the type of the expression.

src/web/app/pages-instructor/instructor-session-base-page.component.ts                **L512**
This assertion is unnecessary since the receiver accepts the original type of the expression.

src/web/app/pages-instructor/instructor-session-base-page.component.ts                **L514**
This assertion is unnecessary since it does not change the type of the expression.

src/web/app/pages-instructor/instructor-session-base-page.component.ts                **L561**
This assertion is unnecessary since the receiver accepts the original type of the expression.

src/web/app/pages-instructor/instructor-session-base-page.component.ts                **L563**
This assertion is unnecessary since it does not change the type of the expression.

src/web/app/pages-instructor/instructor-session-base-page.component.ts                **L568**
This assertion is unnecessary since the receiver accepts the original type of the expression.

src/web/app/pages-instructor/instructor-session-base-page.component.ts                **L570**
This assertion is unnecessary since it does not change the type of the expression.

src/web/app/login-page.component.ts                **L71**
This assertion is unnecessary since it does not change the type of the expression.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.ts                **L561**
This assertion is unnecessary since it does not change the type of the expression.

src/web/app/pages-instructor/instructor-courses-page/instructor-courses-page.component.ts                **L585**
This assertion is unnecessary since it does not change the type of the expression.

src/web/app/pages-instructor/instructor-session-base-page.component.ts                **L207**
This assertion is unnecessary since it does not change the type of the expression.

src/web/app/pages-instructor/instructor-session-base-page.component.ts                **L231**
This assertion is unnecessary since it does not change the type of the expression.

**Detalle de Evidencias**

.../web/app/pages-instructor/instructor-course-student-edit-page/instructor-course-student-edit-page.component.ts  **L76**
This assertion is unnecessary since it does not change the type of the expression.

.../web/app/pages-instructor/instructor-course-student-edit-page/instructor-course-student-edit-page.component.ts  **L79**
This assertion is unnecessary since it does not change the type of the expression.

Code Smell
**ImgWithoutAltCheck** 🔍

**Nombre del proyecto**
teammates-frontend-clean-v2

**Rama** ⎇ master
**Versión** 1.0

**Fecha de Análisis**
2025-07-23

**Regla**

# Image, area and button with image elements should have an "alt" attribute

Why is this an issue? The alt attribute provides a textual alternative to an image.

**Lenguaje**
web

☢ **Evidencias**
**7**

🏷 **accessibility    wcag2-a**

**Detalle de Evidencias**

📄 src/web/app/page.component.html                                                                    **L79**
Add an "alt" attribute to this image.

📄 src/web/app/components/ajax-preload/ajax-preload.component.html                                     **L1**
Add an "alt" attribute to this image.

📄 src/web/app/page-not-found/page-not-found.component.html                                            **L3**
Add an "alt" attribute to this image.

📄 src/web/app/pages-static/about-page/about-page.component.html                                       **L27**
Add an "alt" attribute to this image.

📄 src/web/app/pages-static/about-page/about-page.component.html                                       **L32**
Add an "alt" attribute to this image.

📄 src/web/app/pages-static/contact-page/contact-page.component.html                                   **L4**
Add an "alt" attribute to this image.

📄 src/web/app/pages-static/terms-page/terms-page.component.html                                       **L4**
Add an "alt" attribute to this image.

Code Smell
## S4138

**Regla**
## "for of" should be used with Iterables

**Lenguaje**
ts

**Evidencias**
6

Why is this an issue? for...of statements are used to iterate over the values of an iterable object.

🏷 **clumsy**

---

### Detalle de Evidencias

📄 src/web/app/pages-session/session-submission-page/session-submission-page.component.ts    **L1276**
Expected a `for-of` loop instead of a `for` loop with this simple iteration.

📄 ...s/question-types/question-statistics/question-statistics-calculation/rubric-question-statistics-calculation.ts    **L220**
Expected a `for-of` loop instead of a `for` loop with this simple iteration.

📄 ...s/question-types/question-statistics/question-statistics-calculation/rubric-question-statistics-calculation.ts    **L233**
Expected a `for-of` loop instead of a `for` loop with this simple iteration.

📄 ...s/question-types/question-statistics/question-statistics-calculation/rubric-question-statistics-calculation.ts    **L73**
Expected a `for-of` loop instead of a `for` loop with this simple iteration.

📄 ...s/question-types/question-statistics/question-statistics-calculation/rubric-question-statistics-calculation.ts    **L75**
Expected a `for-of` loop instead of a `for` loop with this simple iteration.

📄 src/web/app/pages-instructor/instructor-course-enroll-page/instructor-course-enroll-page.component.ts    **L388**
Expected a `for-of` loop instead of a `for` loop with this simple iteration.

**Regla**

**Lenguaje**
ts

**Evidencias**
4

# Non-null assertions should not be used misleadingly

The usage of non-null assertion in front of assignments or comparators (! =, ! == or ! ===) can be too easily confused with a negative comparison.

**clumsy**   **confusing**

**Detalle de Evidencias**

src/web/app/pages-instructor/instructor-session-base-page.component.ts  **L505**
Confusing combination of non-null assertion and assignment like `a! = b`, which looks very similar to `a != b`...

src/web/app/pages-instructor/instructor-session-base-page.component.ts  **L512**
Confusing combination of non-null assertion and assignment like `a! = b`, which looks very similar to `a != b`...

src/web/app/pages-instructor/instructor-session-base-page.component.ts  **L561**
Confusing combination of non-null assertion and assignment like `a! = b`, which looks very similar to `a != b`...

src/web/app/pages-instructor/instructor-session-base-page.component.ts  **L568**
Confusing combination of non-null assertion and assignment like `a! = b`, which looks very similar to `a != b`...

Code Smell
**S6827**

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2025-07-23

**Regla**
## Anchors should contain accessible content

**Lenguaje**
web

**Evidencias**
3

Why is this an issue? Anchors, represented by the a tag in HTML, usually contain a hyperlink that users can click to navigate to different sections of a website or different websites altogether.

🏷️ **accessibility**

### Detalle de Evidencias

📄 src/web/app/pages-admin/admin-search-page/admin-search-page.component.html          **L53**
Anchors must have content and the content must be accessible by a screen reader.

📄 src/web/app/pages-admin/admin-search-page/admin-search-page.component.html          **L144**
Anchors must have content and the content must be accessible by a screen reader.

📄 src/web/app/pages-admin/admin-search-page/admin-search-page.component.html          **L147**
Anchors must have content and the content must be accessible by a screen reader.

Code Smell
**S6606**

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2025-07-23

Regla
## Nullish coalescing should be preferred

Lenguaje
ts

Evidencias
2

Why is this an issue? The nullish coalescing operator ?? allows providing a default value when dealing with null or undefined.

🏷 **es2020**   **nullish-coalescing**   **type-dependent**

---

Detalle de Evidencias

📄 ...s/question-types/question-statistics/question-statistics-calculation/rubric-question-statistics-calculation.ts          **L221**
Prefer using nullish coalescing operator (`??`) instead of a ternary expression, as it is simpler to read.

📄 src/web/app/components/feedback-path-panel/feedback-path-panel.component.ts          **L110**
Prefer using nullish coalescing operator (`??=`) instead of an assignment expression as it is simpler to read...

Code Smell
**S1940**

| | | | | |
|---|---|---|---|---|
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**Regla**

# Boolean checks should not be inverted

**Lenguaje**
ts

**Evidencias**
2

Why is this an issue? It is needlessly complex to invert the result of a boolean comparison.

🏷 **pitfall**

---

### Detalle de Evidencias

📄 src/web/app/components/sessions-table/sessions-table.component.ts **L148**
Use the opposite operator (!==) instead.

📄 src/web/app/components/sessions-table/sessions-table.component.ts **L171**
Use the opposite operator (!==) instead.

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**Regla**
## "RegExp.exec()" should be preferred over "String.match()"

**Lenguaje**
ts

**Evidencias**
2

Why is this an issue? String.match() behaves the same way as RegExp.exec() when the regular expression does not include the global flag g.

🏷 regex   type-dependent

### Detalle de Evidencias

📄 src/web/app/pages-instructor/instructor-sessions-page/instructor-sessions-page.component.ts
Use the "RegExp.exec()" method instead.

**L372**

📄 src/web/app/components/question-types/question-edit-answer-form/text-question-edit-answer-form.component.ts
Use the "RegExp.exec()" method instead.

**L37**

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**Regla**
**Regular expression quantifiers and character classes should be used concisely**

Why is this an issue? A regular expression is a sequence of characters that specifies a match pattern in text.

**Lenguaje**
ts

**Evidencias**
2

🏷 regex    type-dependent

**Detalle de Evidencias**

📄 src/web/app/components/question-types/question-edit-details-form/question-edit-details-form.component.ts      **L45**
Use concise character class syntax '\d' instead of '[0-9]'.

📄 src/web/app/components/question-types/question-edit-details-form/question-edit-details-form.component.ts      **L55**
Use concise character class syntax '\d' instead of '[0-9]'.

bitegarden

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Regla
## Public "static" fields should be read-only

Lenguaje
ts

Evidencias
1

Why is this an issue? Public static fields in TypeScript should be declared as readonly to prevent them from being modified after their initial assignment.

🏷 **cwe**

**Detalle de Evidencias**

📄 src/web/app/components/question-types/question-statistics/question-statistics.ts   **L44**
Make this public static property readonly.

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**Regla**
## Exceptions should not be ignored

**Lenguaje**
ts

**Evidencias**
1

Why is this an issue? When exceptions occur, it is usually a bad idea to simply ignore them.

🏷 **cwe   error-handling   suspicious**

---

**Detalle de Evidencias**

📄 src/web/app/components/logs-table/log-details/request-log-details.component.ts **L38**
Handle this exception or don't catch it at all.

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**Regla**
## Track uses of "TODO" tags

**Lenguaje**
ts

**Evidencias**
6

Why is this an issue? Developers often use TODO tags to mark areas in the code where additional work or improvements are needed but are not implemented immediately.

🏷 **cwe**

### Detalle de Evidencias

📄 src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-page.component.ts **L330**
Complete the task associated to this "TODO" comment.

📄 src/web/app/pages-instructor/instructor-session-result-page/instructor-session-result-page.component.ts **L65**
Complete the task associated to this "TODO" comment.

📄 src/web/app/pages-admin/admin-home-page/admin-home-page.component.ts **L63**
Complete the task associated to this "TODO" comment.

📄 src/web/app/pages-instructor/instructor-session-edit-page/instructor-session-edit-page.component.ts **L1130**
Complete the task associated to this "TODO" comment.

📄 src/web/app/pages-admin/admin-home-page/admin-home-page.component.ts **L58**
Complete the task associated to this "TODO" comment.

📄 src/web/app/pages-admin/admin-home-page/admin-home-page.component.ts **L83**
Complete the task associated to this "TODO" comment.