

Textarea

<https://playdocs1.orangeriver-ad055946.westus2.azurecontainerapps.io/play-docs/docs/ui-components/Inputs/Textarea>

Textarea

A powerful multi-line text input component designed for collecting longer text content with comprehensive form integration, validation support, and accessibility features. Supports Angular Forms (reactive and template-driven), custom styling, and advanced features like processing gradient borders.

How to use

```
import { AavaTextareaComponent } from "@aava/play-core";
```

```
import { AavaTextareaComponent } from "@aava/play-core";
```

Basic Usage

Simple textarea implementations with labels and basic functionality.

```
<aava-textarea placeholder="Enter your text here..." [rows]="4" (change)="onTextareaChange($event)" [processing]="true" variant="primary"></aava-textarea>
```

```
<aava-textarea placeholder="Enter your text here..." [rows]="4" (change)="onTextareaChange($event)" [processing]="true" variant="primary"></aava-textarea>
```

```
onTextareaChange(event: Event) { const target = event.target as HTMLTextAreaElement; console.log('Textarea value changed:', target.value); }
```

```
onTextareaChange(event: Event) { const target = event.target as HTMLTextAreaElement; console.log('Textarea value changed:', target.value); }
```

Sizes

Three size variants to accommodate different interface requirements and content needs.

```
<aava-textarea label="Extra Small" placeholder="Extra small textarea..." size="xs" [rows]="2" (change)="onTextareaChange($event)"></aava-textarea><aava-textarea label="Small" placeholder="Small textarea..." size="sm" [rows]="2" (change)="onTextareaChange($event)"></aava-textarea><aava-textarea label="Medium" placeholder="Medium textarea..." size="md" [rows]="3" (change)="onTextareaChange($event)"></aava-textarea><aava-textarea label="Large" placeholder="Large textarea..." size="lg" [rows]="4" (change)="onTextareaChange($event)"></aava-textarea><aava-textarea label="Extra Large" placeholder="Extra large textarea..." size="xl" [rows]="4" (change)="onTextareaChange($event)"></aava-textarea>
```

```
<aava-textarea label="Extra Small" placeholder="Extra small textarea..." size="xs" [rows]="2" (change)="onTextareaChange($event)"></aava-textarea><aava-textarea label="Small" placeholder="Small textarea..." size="sm" [rows]="2" (change)="onTextareaChange($event)"></aava-textarea><aava-textarea label="Medium" placeholder="Medium textarea..." size="md" [rows]="3" (change)="onTextareaChange($event)"></aava-textarea><aava-textarea label="Large" placeholder="Large textarea..." size="lg" [rows]="4" (change)="onTextareaChange($event)"></aava-textarea><aava-textarea label="Extra Large" placeholder="Extra large textarea..." size="xl" [rows]="4" (change)="onTextareaChange($event)"></aava-textarea>
```

```
onTextareaChange(event: Event) { const target = event.target as HTMLTextAreaElement; console.log('Textarea value changed:', target.value); }
```

```
onTextareaChange(event: Event) { const target = event.target as HTMLTextAreaElement; console.log('Textarea value changed:', target.value); }
```

Available Sizes

- xs (Extra Small): Very compact, ideal for tight spaces or dense forms

- sm (Small): Compact for space-constrained interfaces
- md (Medium): Standard size for most use cases (default)
- lg (Large): Prominent for primary content input areas
- xl (Extra Large): Very prominent, used for standout or high-visibility inputs

Variants

Color variants for different contexts, states, and semantic meanings.

```
<aava-textarea placeholder="Default variant..." variant="default" [rows]="3"
(change)="onTextareaChange($event)"></aava-textarea><aava-textarea placeholder="Primary variant..."
variant="primary" [rows]="3" (change)="onTextareaChange($event)"></aava-textarea><aava-textarea
placeholder="Success variant..." variant="success" [rows]="3" (change)="onTextareaChange($event)"></aava-
textarea><aava-textarea placeholder="Error variant..." variant="error" [rows]="3"
(change)="onTextareaChange($event)"></aava-textarea><aava-textarea placeholder="Warning variant...
variant="warning" [rows]="3" (change)="onTextareaChange($event)"></aava-textarea><aava-textarea
placeholder="Info variant..." variant="info" [rows]="3" (change)="onTextareaChange($event)"></aava-textarea>
```

```
<aava-textarea placeholder="Default variant..." variant="default" [rows]="3"
(change)="onTextareaChange($event)"></aava-textarea><aava-textarea placeholder="Primary variant..."
variant="primary" [rows]="3" (change)="onTextareaChange($event)"></aava-textarea><aava-textarea
placeholder="Success variant..." variant="success" [rows]="3" (change)="onTextareaChange($event)"></aava-
textarea><aava-textarea placeholder="Error variant..." variant="error" [rows]="3"
(change)="onTextareaChange($event)"></aava-textarea><aava-textarea placeholder="Warning variant...
variant="warning" [rows]="3" (change)="onTextareaChange($event)"></aava-textarea><aava-textarea
placeholder="Info variant..." variant="info" [rows]="3" (change)="onTextareaChange($event)"></aava-textarea>
```

```
onTextareaChange(event: Event) { const target = event.target as HTMLTextAreaElement; console.log('Textarea
value changed:', target.value); }
```

```
onTextareaChange(event: Event) { const target = event.target as HTMLTextAreaElement; console.log('Textarea
value changed:', target.value); }
```

Style Variants

- default: Standard neutral appearance
- primary: Brand color for important inputs
- success: Green for positive confirmation states
- error: Red for validation errors and critical states
- warning: Orange for caution and attention states
- info: Blue for informational content and tips

Accessibility

Built-in accessibility features ensuring inclusive user experience.

```
<!-- Labeled Textarea --><aava-textarea label="Description" placeholder="Enter your description..." [rows]="3"
(change)="onTextareaChange($event)"></aava-textarea><!-- Textarea with Helper Text --><aava-textarea
label="Comments" placeholder="Share your thoughts..." helper="Please provide detailed feedback to help us
improve our service." [rows]="3" (change)="onTextareaChange($event)"></aava-textarea><!-- Textarea with Error
State --><aava-textarea label="Email" placeholder="Enter your email..." error="Please enter a valid email
address." [rows]="3" (change)="onTextareaChange($event)"></aava-textarea><!-- Textarea with Error State -->
<aava-textarea label="Required Field" placeholder="This field is required..." [required]="true" [rows]="3"
(change)="onTextareaChange($event)"></aava-textarea><!-- Textarea with Character Limit --><aava-textarea
label="Bio" placeholder="Tell us about yourself (max 200 characters)..." [maxlength]="200" [rows]="3"
(change)="onTextareaChange($event)"></aava-textarea>
```

```
<!-- Labeled Textarea --><aava-textarea label="Description" placeholder="Enter your description..." [rows]="3"
(change)="onTextareaChange($event)"></aava-textarea><!-- Textarea with Helper Text --><aava-textarea
label="Comments" placeholder="Share your thoughts..." helper="Please provide detailed feedback to help us
improve our service." [rows]="3" (change)="onTextareaChange($event)"></aava-textarea><!-- Textarea with Error
State --><aava-textarea label="Email" placeholder="Enter your email..." error="Please enter a valid email
address." [rows]="3" (change)="onTextareaChange($event)"></aava-textarea><!-- Textarea with Error State -->
<aava-textarea label="Required Field" placeholder="This field is required..." [required]="true" [rows]="3"
(change)="onTextareaChange($event)"></aava-textarea><!-- Textarea with Character Limit --><aava-textarea
```

```
label="Bio" placeholder="Tell us about yourself (max 200 characters)... [maxLength] = "200" [rows] = "3"  
(change) = "onTextareaChange($event)" ></aava-textarea>
```

```
onTextareaChange(event: Event) { const target = event.target as HTMLTextAreaElement; console.log('Textarea  
value changed:', target.value); }
```

```
onTextareaChange(event: Event) { const target = event.target as HTMLTextAreaElement; console.log('Textarea  
value changed:', target.value); }
```

Accessibility Features

- Keyboard Navigation: Full keyboard support with proper focus management
- Screen Reader Support: Semantic HTML and ARIA attributes
- Error Announcements: Live regions for dynamic error messaging
- Focus Indicators: Clear visual focus states for navigation
- Label Association: Proper form control labeling and description
- High Contrast: Support for high contrast accessibility modes

API Reference

Inputs

Property	Type	Description
label	string ''	Label text displayed above the textarea
placeholder	string ''	Placeholder text shown when textarea is empty
variant	'default' 'primary' 'success' 'error' 'warning' 'info' 'default'	Color variant for styling
size	'xs' 'sm' 'md' 'lg' 'xl' 'md'	Size variant of the textarea
disabled	boolean false	Whether the textarea is disabled
readonly	boolean false	Whether the textarea is read-only
error	string ''	Error message to display
helper	string ''	Helper text to provide guidance
rows	number 3	Number of visible text lines
id	string ''	HTML id attribute for the textarea
name	string ''	HTML name attribute for form submission
maxLength	number ''	Maximum number of characters allowed
minLength	number ''	Minimum number of characters required
required	boolean false	Whether the field is required
fullWidth	boolean false	Whether to take full width of container
style	Record ''	Custom CSS styles object
resizable	boolean true	Whether the textarea can be resized vertically
autoResize	boolean false	Whether to automatically resize height to fit content
processing	boolean false	Whether to show processing state
processingGradientBorder	boolean false	Whether to show animated gradient border
processingGradientColors	string[] See below	Array of colors for gradient animation

```
label
```

```
string
```

```
..
```

```
placeholder
```

```
string
```

```
..
```

```
variant
```

```
'default' | 'primary' | 'success' | 'error' | 'warning' | 'info'
```

'default'

size

'xs'

'sm'

'md'

'lg'

'xl'

'md'

disabled

boolean

false

readonly

boolean

false

error

string

..

helper

string

..

rows

number

3

id

string

..

`name`

`string`

`..`

`maxlength`

`number`

`..`

`minlength`

`number`

`..`

`required`

`boolean`

`false`

`fullWidth`

`boolean`

`false`

`style`

`Record<string, string>`

`..`

`resizable`

`boolean`

`true`

`autoResize`

`boolean`

`false`

`processing`

`boolean`

```
false
```

```
processingGradientBorder
```

```
boolean
```

```
false
```

```
processingGradientColors
```

```
string[]
```

Outputs

```
Event | Type | Description
```

```
blur | EventEmitter | Emitted when the input loses focus
```

```
focus | EventEmitter | Emitted when the input gains focus
```

```
input | EventEmitter | Emitted on every input change
```

```
change | EventEmitter | Emitted when the input value changes
```

```
iconStartClick | EventEmitter | Emitted when the start icon is clicked
```

```
iconEndClick | EventEmitter | Emitted when the end icon is clicked
```

```
blur
```

```
EventEmitter<Event>
```

```
focus
```

```
EventEmitter<Event>
```

```
input
```

```
EventEmitter<Event>
```

```
change
```

```
EventEmitter<Event>
```

```
iconStartClick
```

```
EventEmitter<Event>
```

```
iconEndClick
```

```
EventEmitter<Event>
```

Properties

```
Property | Type | Description
```

```
value | string | Current textarea value
```

```
isFocused | boolean | Whether textarea currently has focus
```

```
hasError | boolean | Whether textarea has error state
```

```
hasHelper | boolean | Whether textarea has helper text
```

```
value
```

```
string
```

```
isFocused
```

```
boolean
```

```
hasError
```

```
boolean
```

```
hasHelper
```

```
boolean
```

Methods

```
Method | Parameters | Return Type | Description
```

```
writeValue() | value: string | void | Set textarea value (ControlValueAccessor)
```

```
registerOnChange() | fn: (value: string) => void | void | Register change callback
```

```
registerOnTouched() | fn: () => void | void | Register touched callback
```

```
setDisabledState() | isEnabled: boolean | void | Set disabled state
```

```
writeValue()
```

```
value: string
```

```
void
```

```
registerOnChange()
```

```
fn: (value: string) => void
```

```
void
```

```
registerOnTouched()
```

```
fn: () => void
```

```
void
```

```
setDisabledState()
```

```
isEnabled: boolean
```

```
void
```

CSS Custom Properties

```
Property | Description
```

```
--textbox-gap | Base gap between textarea elements
```

```
--textbox-gap-xs | Gap for extra small size variant
```

```
--textbox-gap-sm | Gap for small size variant
```

```
--textbox-gap-lg | Gap for large size variant
```

```
--textbox-gap-xl | Gap for extra large size variant
```

```
--textbox-label-font | Font family for labels
```

```
--textbox-label-color | Color for label text
```

```
--textbox-label-weight | Font weight for label text
```

```
--textbox-xs-label-font-size | Label font size for extra small variant
--textbox-xs-label-weight | Label font weight for extra small variant
--textbox-xs-label-line-height | Line height for extra small label
--textbox-xs-label-font-style | Font style for extra small label
--textbox-sm-label-font-size | Label font size for small variant
--textbox-sm-label-weight | Label font weight for small variant
--textbox-sm-label-line-height | Line height for small label
--textbox-sm-label-font-style | Font style for small label
--textbox-md-label-font-size | Label font size for medium variant
--textbox-md-label-weight | Label font weight for medium variant
--textbox-md-label-line-height | Line height for medium label
--textbox-md-label-font-style | Font style for medium label
--textbox-lg-label-font-size | Label font size for large variant
--textbox-lg-label-weight | Label font weight for large variant
--textbox-lg-label-line-height | Line height for large label
--textbox-lg-label-font-style | Font style for large label
--textbox-xl-label-font-size | Label font size for extra large variant
--textbox-xl-label-weight | Label font weight for extra large variant
--textbox-xl-label-line-height | Line height for extra large label
--textbox-xl-label-font-style | Font style for extra large label
--textbox-required-color | Color for required field indicator
--textbox-textarea-container-padding | Padding around textarea container
--textbox-background | Background color of the textarea
--glass-50-border | Glass border style for textarea
--textbox-textarea-hover-primary | Primary hover color for textarea
--textbox-textarea-hover-border-width | Border width on hover
--textbox-textarea-focus-primary | Primary color for focus state
--textbox-border-error-color | Border color when there is an error
--textbox-background-disabled | Background for disabled state
--textbox-border-disabled-color | Border color for disabled state
--textbox-background-readonly | Background for readonly state
--textbox-border-readonly-color | Border color for readonly state
--textbox-xs-border-radius | Border radius for extra small variant
--textbox-sm-border-radius | Border radius for small variant
--textbox-md-border-radius | Border radius for medium variant
--textbox-lg-border-radius | Border radius for large variant
--textbox-xl-border-radius | Border radius for extra large variant
--textbox-input-xs-padding | Padding inside extra small input
--textbox-input-sm-padding | Padding inside small input
--textbox-input-md-padding | Padding inside medium input
--textbox-input-lg-padding | Padding inside large input
--textbox-input-xl-padding | Padding inside extra large input
--textbox-input-font | Font family for input text
--textbox-input-color | Text color for input
--textbox-input-padding | General input padding
--textbox-textarea-min-height | Minimum height of textarea
--textbox-textarea-min-height-xs | Minimum height for extra small variant
--textbox-textarea-min-height-sm | Minimum height for small variant
--textbox-textarea-min-height-md | Minimum height for medium variant
--textbox-textarea-min-height-lg | Minimum height for large variant
--textbox-textarea-min-height-xl | Minimum height for extra large variant
--textbox-input-xs-font-size | Font size for extra small input
--textbox-input-xs-font-weight | Font weight for extra small input
--textbox-input-xs-font-style | Font style for extra small input
--textbox-input-xs-line-height | Line height for extra small input
--textbox-input-sm-font-size | Font size for small input
--textbox-input-sm-font-weight | Font weight for small input
--textbox-input-sm-font-style | Font style for small input
--textbox-input-sm-line-height | Line height for small input
--textbox-input-md-font-size | Font size for medium input
--textbox-input-md-font-weight | Font weight for medium input
--textbox-input-md-font-style | Font style for medium input
--textbox-input-md-line-height | Line height for medium input
--textbox-input-lg-font-size | Font size for large input
--textbox-input-lg-font-weight | Font weight for large input
--textbox-input-lg-font-style | Font style for large input
--textbox-input-lg-line-height | Line height for large input
--textbox-input-xl-font-size | Font size for extra large input
--textbox-input-xl-font-weight | Font weight for extra large input
--textbox-input-xl-font-style | Font style for extra large input
--textbox-input-xl-line-height | Line height for extra large input
--textbox-affix-padding | Padding for affix elements
--textbox-affix-color | Color of affix elements
--textbox-affix-font-size | Font size of affix elements
--textbox-affix-background | Background of affix elements
--textbox-affix-border-radius | Border radius of affix elements
--textbox-affix-disabled-color | Disabled color for affix elements
--textbox-affix-disabled-background | Disabled background for affix elements
--textbox-error-gap | Gap between textarea and error text
--textbox-error-color | Color for error messages
--textbox-error-font-size | Font size for error messages
--textbox-xs-error-font-size | Font size for error text in extra small variant
--textbox-sm-error-font-size | Font size for error text in small variant
```

```
--textbox-md-error-font-size | Font size for error text in medium variant  
--textbox-lg-error-font-size | Font size for error text in large variant  
--textbox-xl-error-font-size | Font size for error text in extra large variant  
--textbox-helper-gap | Gap between textarea and helper text  
--textbox-helper-color | Color for helper text  
--textbox-helper-font-size | Font size for helper text  
--textbox-xs-helper-font-size | Helper font size for extra small variant  
--textbox-sm-helper-font-size | Helper font size for small variant  
--textbox-md-helper-font-size | Helper font size for medium variant  
--textbox-lg-helper-font-size | Helper font size for large variant  
--textbox-xl-helper-font-size | Helper font size for extra large variant  
--textbox-border-primary-color | Primary border color  
--processing-gradient-colors | Colors for gradient animation
```

```
--textbox-gap
```

```
--textbox-gap-xs
```

```
--textbox-gap-sm
```

```
--textbox-gap-lg
```

```
--textbox-gap-xl
```

```
--textbox-label-font
```

```
--textbox-label-color
```

```
--textbox-label-weight
```

```
--textbox-xs-label-font-size
```

```
--textbox-xs-label-weight
```

```
--textbox-xs-label-line-height
```

```
--textbox-xs-label-font-style
```

```
--textbox-sm-label-font-size
```

```
--textbox-sm-label-weight
```

```
--textbox-sm-label-line-height
```

```
--textbox-sm-label-font-style
```

```
--textbox-md-label-font-size
```

```
--textbox-md-label-weight
```

```
--textbox-md-label-line-height
```

```
--textbox-md-label-font-style
```

```
--textbox-lg-label-font-size
```

```
--textbox-lg-label-weight
```

--textbox-lg-label-line-height

--textbox-lg-label-font-style

--textbox-xl-label-font-size

--textbox-xl-label-weight

--textbox-xl-label-line-height

--textbox-xl-label-font-style

--textbox-required-color

--textbox-textarea-container-padding

--textbox-background

--glass-50-border

--textbox-textarea-hover-primary

--textbox-textarea-hover-border-width

--textbox-textarea-focus-primary

--textbox-border-error-color

--textbox-background-disabled

--textbox-border-disabled-color

--textbox-background-readonly

--textbox-border-readonly-color

--textbox-xs-border-radius

--textbox-sm-border-radius

--textbox-md-border-radius

--textbox-lg-border-radius

--textbox-xl-border-radius

--textbox-input-xs-padding

--textbox-input-sm-padding

--textbox-input-md-padding

--textbox-input-lg-padding

--textbox-input-xl-padding

--textbox-input-font

--textbox-input-color

--textbox-input-padding

--textbox-textarea-min-height

--textbox-textarea-min-height-xs

--textbox-textarea-min-height-sm

--textbox-textarea-min-height-md

--textbox-textarea-min-height-lg

--textbox-textarea-min-height-xl

--textbox-input-xs-font-size

--textbox-input-xs-font-weight

--textbox-input-xs-font-style

--textbox-input-xs-line-height

--textbox-input-sm-font-size

--textbox-input-sm-font-weight

--textbox-input-sm-font-style

--textbox-input-sm-line-height

--textbox-input-md-font-size

--textbox-input-md-font-weight

--textbox-input-md-font-style

--textbox-input-md-line-height

--textbox-input-lg-font-size

--textbox-input-lg-font-weight

--textbox-input-lg-font-style

--textbox-input-lg-line-height

--textbox-input-xl-font-size

--textbox-input-xl-font-weight

--textbox-input-xl-font-style

--textbox-input-xl-line-height

--textbox-affix-padding

--textbox-affix-color

--textbox-affix-font-size

--textbox-affix-background

--textbox-affix-border-radius

--textbox-affix-disabled-color

--textbox-affix-disabled-background

--textbox-error-gap

--textbox-error-color

--textbox-error-font-size

--textbox-xs-error-font-size

--textbox-sm-error-font-size

--textbox-md-error-font-size

--textbox-lg-error-font-size

--textbox-xl-error-font-size

--textbox-helper-gap

--textbox-helper-color

--textbox-helper-font-size

--textbox-xs-helper-font-size

--textbox-sm-helper-font-size

--textbox-md-helper-font-size

```
--textbox-lg-helper-font-size
```

```
--textbox-xl-helper-font-size
```

```
--textbox-border-primary-color
```

```
--processing-gradient-colors
```

Best Practices

Design Guidelines

- Use appropriate row heights for expected content length
- Provide clear labels and helper text for guidance
- Choose semantic variants that match content purpose
- Enable resizing for longer content input areas
- Consider processing states for form submissions

Accessibility

- Always provide meaningful labels for screen readers
- Use helper text to explain input requirements
- Ensure error messages are descriptive and actionable
- Maintain sufficient color contrast for all variants
- Test keyboard navigation and screen reader compatibility

Performance

- Use OnPush change detection strategy for better performance
- Avoid frequent style changes that trigger repaints
- Consider debouncing for real-time validation
- Use trackBy functions for dynamic textarea lists