Here’s a breakdown of **advanced features in Bootstrap 5** — ideal for developers looking to go beyond basic components and layouts.

**🚀 1. Bootstrap 5 Grid Enhancements**

**✅ Custom Gutter Sizes**

Use g-\* to control spacing between columns.

<div class="row g-3"> <!-- g-0 to g-5 -->

<div class="col">...</div>

<div class="col">...</div>

</div>

**✅ Vertical Gutters**

Control vertical spacing separately with gy-\*, horizontal with gx-\*.

**📱 2. Responsive Utilities & Breakpoint Control**

Bootstrap 5 supports **five breakpoints**:  
xs (default), sm, md, lg, xl, and xxl

<div class="d-none d-md-block">Visible only on md and up</div>

You can also **conditionally stack** layouts:

<div class="d-flex flex-column flex-md-row">Responsive layout</div>

**🧩 3. Offcanvas Sidebar**

Create mobile-friendly drawers for navs or side panels.

<button class="btn btn-primary" data-bs-toggle="offcanvas" data-bs-target="#offcanvasExample">

Open Menu

</button>

<div class="offcanvas offcanvas-start" tabindex="-1" id="offcanvasExample">

<div class="offcanvas-header">

<h5>Menu</h5>

<button type="button" class="btn-close" data-bs-dismiss="offcanvas"></button>

</div>

<div class="offcanvas-body">

Sidebar content

</div>

</div>

**🎯 4. Accordion with Flush and Nested Support**

<div class="accordion accordion-flush" id="accordionExample">

<div class="accordion-item">

<h2 class="accordion-header" id="headingOne">

<button class="accordion-button collapsed" data-bs-toggle="collapse" data-bs-target="#collapseOne">

Accordion Item #1

</button>

</h2>

<div id="collapseOne" class="accordion-collapse collapse" data-bs-parent="#accordionExample">

<div class="accordion-body">Content goes here.</div>

</div>

</div>

</div>

**⚙️ 5. Utility APIs (Build Custom Classes)**

You can generate utility classes directly with Sass maps like:

$utilities: (

"opacity": (

property: opacity,

class: o,

values: (

0: 0,

25: .25,

50: .5,

75: .75,

100: 1,

)

)

);

Then include via:

@import "bootstrap/scss/utilities/api";

**🎛 6. Toasts + Autohide Notifications**

<div class="toast-container position-fixed top-0 end-0 p-3">

<div class="toast" role="alert" data-bs-delay="3000" data-bs-autohide="true">

<div class="toast-header">

<strong>Bootstrap</strong>

<button class="btn-close" data-bs-dismiss="toast"></button>

</div>

<div class="toast-body">Hello world!</div>

</div>

</div>

js

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const toast = new bootstrap.Toast(document.querySelector('.toast'));

toast.show();

**🌀 7. Carousel with Fade, Touch, and Interval Control**

<div id="myCarousel" class="carousel slide carousel-fade" data-bs-ride="carousel" data-bs-interval="2000">

<!-- Slides go here -->

</div>

Use touch="false" to disable swipe gestures.

**🧠 8. Forms with Floating Labels**

html

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<div class="form-floating">

<input type="email" class="form-control" id="emailInput" placeholder="name@example.com">

<label for="emailInput">Email address</label>

</div>

**✨ 9. RTL (Right-to-Left) Support**

Bootstrap 5 has built-in RTL support. Just include the RTL version of the CSS file:

html

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<link href="bootstrap.rtl.min.css" rel="stylesheet">

**🌐 10. Icons and Custom Components**

Bootstrap uses **Bootstrap Icons** — a free icon set:

html

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<i class="bi bi-star-fill text-warning"></i>

You can also combine components creatively:

* Tabs + Cards
* Toasts + Alerts
* Dropdown inside a Navbar/Offcanvas