

Hybrid Angular 15+ Architecture: Standalone + Feature NgModules

■ Can You Use Feature NgModules Without AppModule?

Yes! Angular 15+ supports a hybrid approach where you bootstrap your app using standalone components (`bootstrapApplication()`), while still organizing features using classic NgModules like `CoursesModule`.

■ ■ Minimal Setup

1. Keep `AppComponent` standalone with imports: `[CourseCardComponent]`.
2. Create `CoursesModule` using `@NgModule` with declarations and exports.
3. Bootstrap app via `bootstrapApplication(AppComponent)` in `main.ts`.
4. No need for `AppModule` at all!

■ When to Use `CoursesModule`

- For grouping related components (`CourseCard`, `CourseImage`).
- For exporting sets of features in one place.
- For writing isolated tests using `TestBed.configureTestingModule`.
- For optionally wrapping `RouterModule.forChild(routes)`.

■ Summary Table

Feature	Supported in Standalone App?
Use <code>NgModule</code> for grouping	■
Export components via <code>NgModule</code>	■
Bootstrap with <code>AppModule</code>	■
Use <code>bootstrapApplication()</code>	■
<code>AppComponent</code> as standalone	■