

### Highlights

One powerful programming language: C#

Modeling: both in code and in browser

Just a NuGet package

Based on commodity tech

Deploy anywhere





#### Tech stack





**BLAZOR WASM** 

MINIMAL WEB APIS





MONGODB (DEFAULT DATABASE) .NET ASPIRE (DEPLOYMENT)



## Two Ways to Model

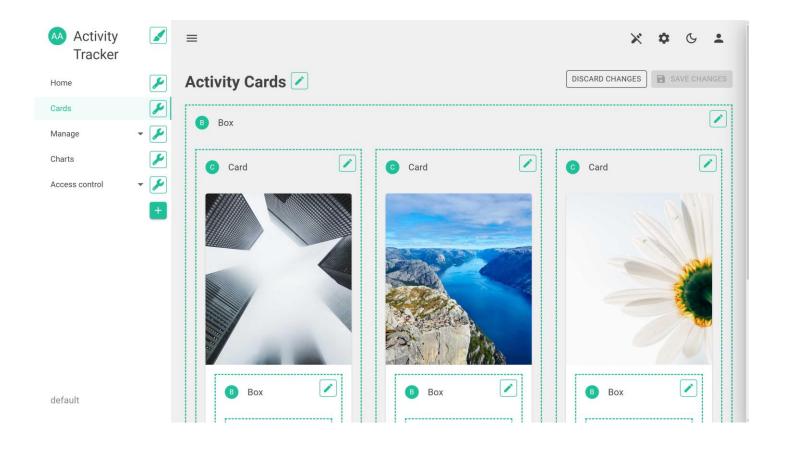
In-App (Runtime)

Model live in the browser—
fast, visual, and intuitive.

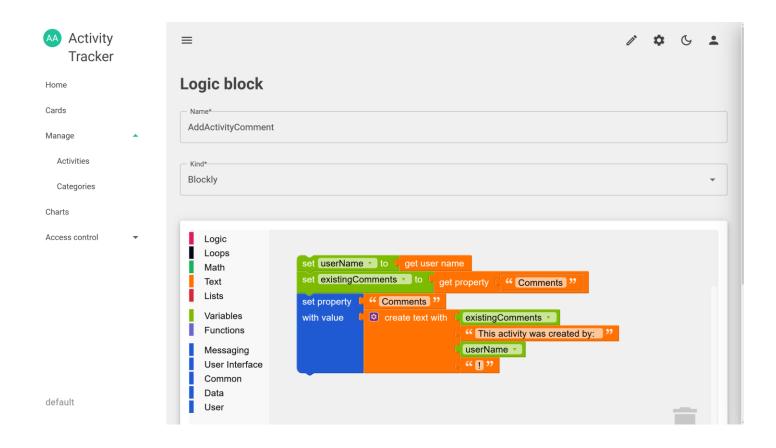
In Visual Studio **\***Model with full compile-time safety and code quality.



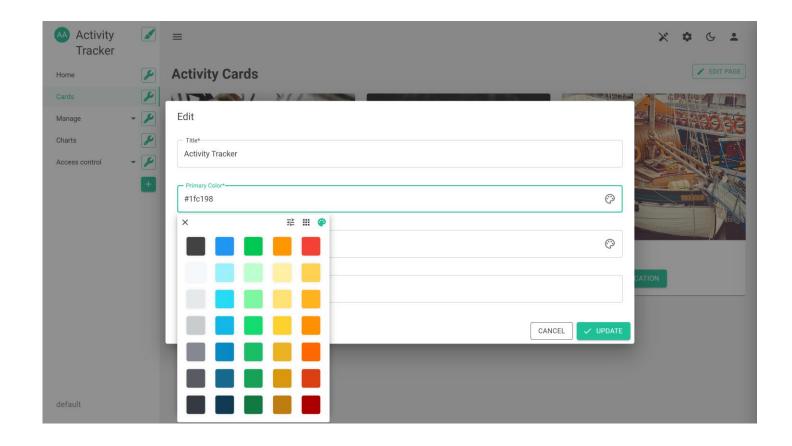
#### In-App modeling



#### In-App Logic Blocks



Edit the app's style directly in the app



#### Modeling using Visual Studio

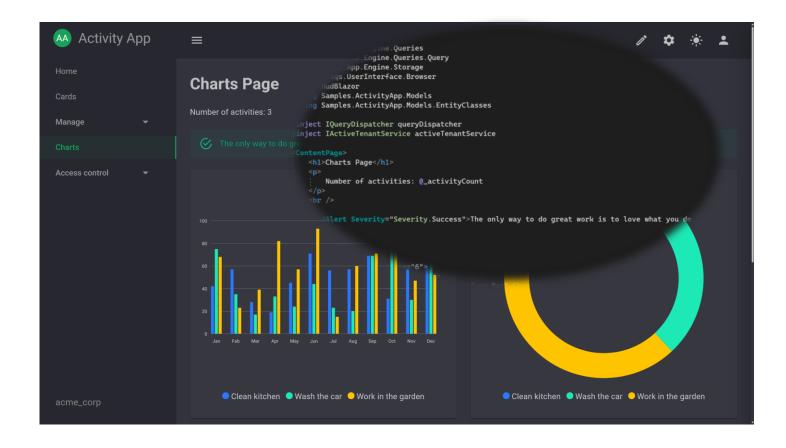
```
var builder = new AppBuilder(AppConstants.App.Name, "Activity Tracker", "#1fc198", "AA");
builder
    .AddEntityStorage(globalStorage)
    .AddEntityStorage(defaultStorage)
    .AddEntityClass<Organization>(globalStorage)
    .AddSimpleCrudForClass<Organization>(accessControl)
    .AddBasicAccessControl<UserAccount, OrganizationTenant>(globalStorage, accessControl)
    .AddEntityClass<Activity>(defaultStorage)
    .AddEntityClass<Category>(defaultStorage)
    .AddLogicBlock(new LogicBlock()
    .AddLogicBlock(new LogicBlock()...)
    .AddLogicBlock(new LogicBlock()...)
    .AddPage(new Page()
        Id = AppConstants.Pages.HomePage,
       Title = "Home",
       Name = "home",
        PageArea = new BoxComponent()
            Items = [
                new BoxItem() {
                    Component = new HtmlComponent() {
                        HtmlContent = "Welcome to this activity app! 🞉 Stay organized, boost produ
                    Size = 12
```



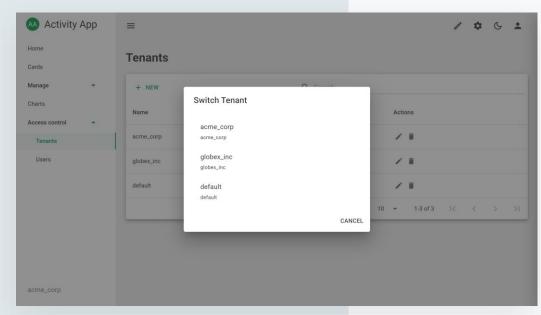
# Programming logic using Command & Query dispatcher pattern

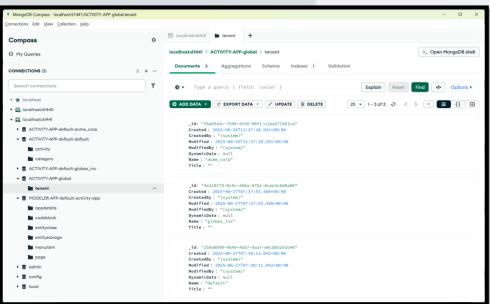
- Feature-based architecture.
- Works with Blazor WASM & API.
- Leverages powerful Dependency Injection.

Add custom components, pages and API endpoints with ease







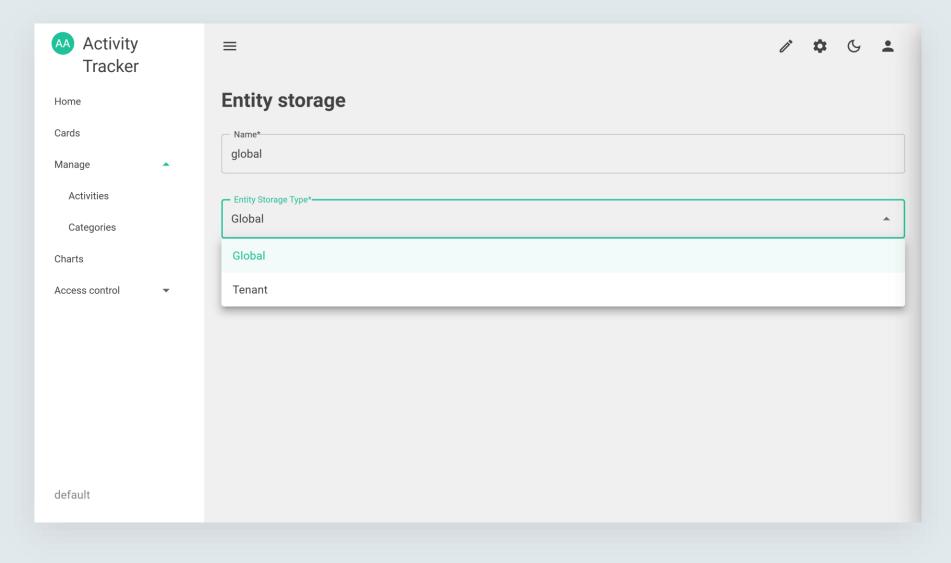


#### Access control

- Authentication using JWT & OIDC (OpenID Connect).
- Multi-tenancy support.
- Users, permissions, roles.
- Automatic database creation.



### Define multiple data stores on global or tenant level



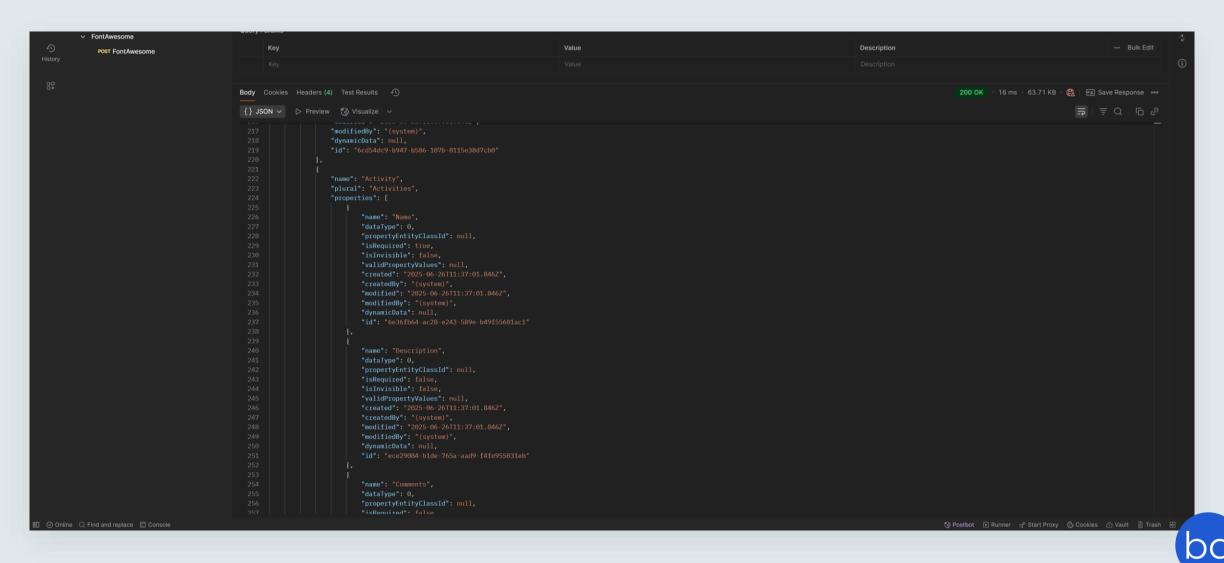


### Expose a robust REST API, protected with JWT authentication

```
Home Workspaces V API Network
                                                         GET Query
                                Blogs / Query
                                        https://localhost:7261/api/activity-app/acme_corp/Activity/query
                                                                                                                         ..... 💿 🖧
                                 Bearer Token
                               request. Learn more about Bearer Token authorization.
                                Body Cookies Headers (4) Test Results |
                                                                                                                                                                                             200 OK 5 ms 1.34 KB 6 🙀 | 📧 Save Respons
                                {} JSON ✓ ▷ Preview 👸 Visualize ✓
                                                "$type": "activity",
"name": "Clean kitchen",
```



### Explore the application model via the REST API



#### Clear and Standardized API Error Handling

```
localhost:7124/api/unknown × +
    C % localhost:7124/api/unknown
                                                                  Raw
                                                                             Parsed
   "error": "Not found",
   "details": "Request failed with status code 404"
```

#### Deploy using .NET Aspire



