

AssemblySoft achieves 40–70% Fewer UI Defects with Syncfusion Components



40-70%
reduction in UI-related defects.



Cleaner separation between UI layer and business logic.



30-60%
reduction in UI-related defects.



Faster iteration cycles for stakeholder demonstrations

Introduction

In 2009, Carl Randall founded AssemblySoft—a digital engineering specialist company. Over the last 15+ years, AssemblySoft has established itself as one of the fastest growing digital hubs in the United Kingdom, delivering 200+ Azure, Blazor, and .NET solutions for businesses in finance, education, healthcare, and more.

Problem Summary

AssemblySoft built tailor-made components from scratch, which required them to spend significant time testing device-specific edge cases and troubleshooting regression issues.

“Syncfusion takes a lot of pain out of the development experience. There is no bar to entry, as the licensing model is very flexible, enabling you to charge your customers once you become profitable. It’s a no brainer.”

– **Carl Randall**, Founder & Technical Lead



Industry

[Software Development](#) 



Company

AssemblySoft



Region

England



Customer Detail

Carl Randall, Founder & Technical Lead

Use Case

Using Syncfusion for ASP.NET Core and Blazor, AssemblySoft now integrates pretested, enterprise-grade components into clients' applications, improving its programming speed, performance, and user experience.

BEFORE SYNCFUSION

Challenges

- ❌ Testing device-specific edge cases and debugging was time consuming.
- ❌ Building client-specific components from scratch caused regression issues.

AFTER SYNCFUSION

Solutions

- ✅ Syncfusion offers 285+ pretested UI controls for ASP.NET Core and Blazor development.
- ✅ Syncfusion offers a wide range of prebuilt UI components that can be used out of the box.

Implementation

While searching online for a rich, versatile set of components, Carl's team discovered Syncfusion. After exploring Syncfusion's full-stack design and development capabilities, and creating cross-platform prototypes, AssemblySoft started incorporating Syncfusion components into real-world workflows.

Today, AssemblySoft's product and engineering teams identify requirements that rely on data-heavy UI or document workflows. Then, front-end and full-stack developers leverage Syncfusion's components to build complex UI elements, including charts, editors, grids, schedulers, and more. This enables AssemblySoft to minimize technical risks and deliver finished products faster.

Results

Accessed Essential Studio® Enterprise Edition—1,700+ controls and frameworks—for free with the Syncfusion Community License

- Streamlined project workflows with Syncfusion documentation
- Increased accuracy of UI-related development by 40–70%
- Reduced UI development time by 30–60%

These improvements ensure that AssemblySoft delivers quality, client-specific solutions in a timely manner.

Future Plan

AssemblySoft plans to integrate Syncfusion's smart components into future client projects, leveraging their AI capabilities to further streamline development.

Conclusion

By adopting Syncfusion for ASP.NET Core and Blazor, AssemblySoft significantly improved its custom development speed and performance. The addition of pretested, ready-to-use UI components, paired with extensive documentation, enabled Carl's team to implement their desired functionality efficiently while reducing regression issues and QA overhead.

Carl summarized their experience nicely by saying, "When it comes to rapid, robust development, a rich component library really helps us focus on the business domain, rather than testing device specifics for individual components. We find this especially useful as we develop .NET MAUI Blazor Hybrid applications, where the components need to render everywhere."