

Smart Diary — Blazor + ASP.NET Core

This project is a full-stack diary and productivity system built with Blazor Server and ASP.NET. It showcases practical engineering decisions, clean C# architecture, and several complex features working together in a coherent UI.

Key Features

- Rich Text Editor – Create structured entries with formatting support.
- Mood Tracking – Each entry logs emotional state for long-term trend analysis.
- Statistics Dashboard – Aggregated charts for entries, word counts, and mood changes.
- Admin Panel – Complete user and group management, moderation actions, activation, deactivation, and password resets.
- PIN-Protected Sections – Privacy controls for sensitive groups or entries.
- PDF Export – Export entries or groups for offline backup.
- Authentication & Roles – Secure login, registration, and role-based access.
- Light/Dark Mode – as User selects theme.

Admin Panel - User Management

| ID | User name | Activated | Role | Description |
|----|---------------------|-----------|---------|-----------------------|
| 32 | MyBrotherJohnM | Yes | Admin | Berserk |
| 31 | IncredibleAccountTo | Yes | Default | 123 |
| 33 | TESTINGUNWORK | No | Default | 123123123 is password |
| 30 | Admin | Yes | Admin | |

Diary Entry

How are this is working, if i am...

11/21/2025

7:30 PM

I can write There some diaries, and then read them... Rich text formatting is not included

And headings too

1. With list consisting
2. organization
3. and unorganization
4. lots of unorganization

Even href's can be added

Now, there is still a lot to improve

7:21 PM (^T^)

Time are too correctly showed, with timezones differences.

Admin Panel - Statistics

Home Manage account Logout Statistics Admin

Export cre... Developing... PIN-Start How are th... Create new diary group

Statistics Page

Pick date range to get statistics from: 10/21/2025 - 11/21/2025 Load Stats

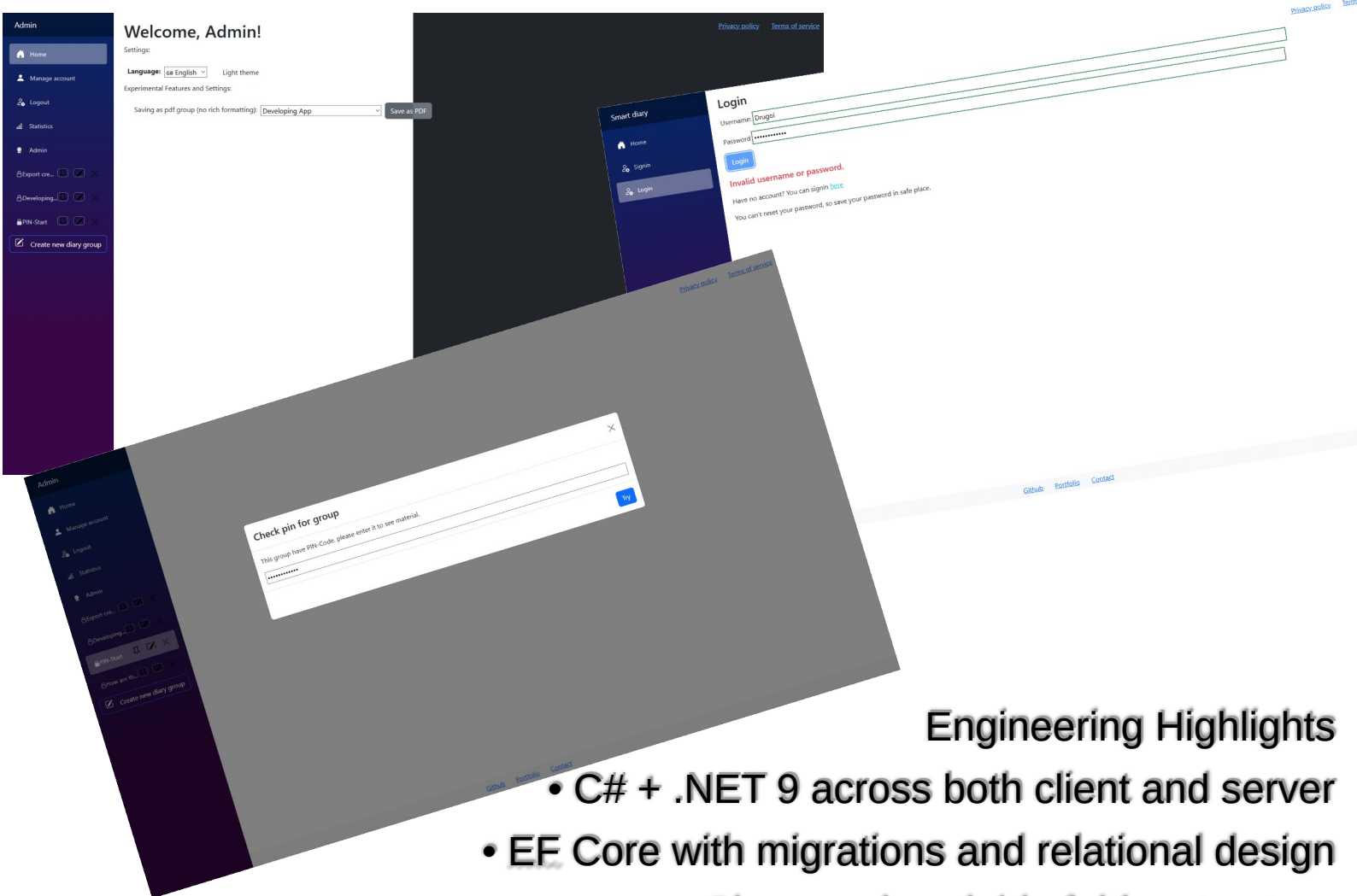
Stats for dates:

| Date | Entries count | Symbols count | Average symbols per entry | Total mood of day |
|------------|---------------|---------------|---------------------------|-------------------|
| 10/30/2025 | 10 | 2023 | 202.3 | -1 |
| 10/31/2025 | 1 | 227 | 227 | 1 |
| 11/8/2025 | 3 | 375 | 125 | 1 |
| 11/10/2025 | 1 | 505 | 505 | -1 |
| 11/12/2025 | 1 | 53 | 53 | 0 |
| 11/20/2025 | 1 | 347 | 347 | -1 |
| 11/21/2025 | 2 | 904 | 452 | 3 |
| Totals: | 19 | 4434 | 233 | 2 |

Load statistics onto chart

Nov 2 2025 Nov 9 Nov 16

Legend: Entries count in day, Symbols count in day, Average symbols per entry in day, Total mood point in day



Engineering Highlights

- C# + .NET 9 across both client and server
- EF Core with migrations and relational design
 - Clean and scalable folder structure
 - Reusable UI components
- Asynchronous operations for responsiveness
 - Deployed using Render & GitHub Pages

Purpose

This application demonstrates my ability to design and implement:

- secure multi-user systems
- admin and moderation tooling
 - analytics dashboards
- structured, maintainable Blazor applications

The project is actively improved as I refine architecture and expand features