

Modern Desktop with Telerik UI for WinForms



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Software Engineering Manager

3 June 2025

Full-featured, themeable, developer friendly UI components for modern desktop apps

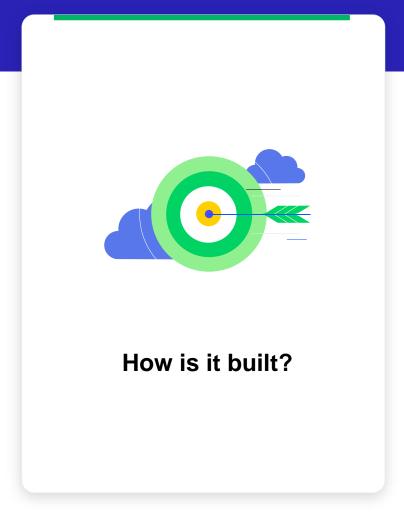


Agenda

- Standard WinForms
- Telerik UI for WinForms
- Document Processing
- Q & A Session











How is it built?



Why is it so good?

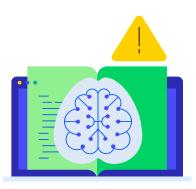




How is it built?



Why is it so good?



Pitfalls

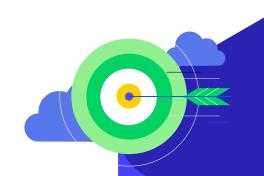


Standard WinForms How is it built?



How is it built?

- Win32
- Control Wrappers
- Message Loop
- Rendering
- Event Model
- Interop





Standard WinForms Why is it so good?



Why is it so good?

- Fast to Learn and Use
- Productive Visual Designer
- Deeply Integrated to Windows
- Mature and Stable

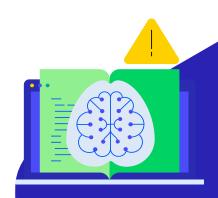


Standard WinForms Pitfalls



Pitfalls

- Control Set and Features
- UI/UX
- Customizations
- Scaling
- .NET Framework vs .NET





Telerik UI for WinForms to the Rescue...



...Delivering More Than Expected Since 2006





Microsoft

Foundation

- Control Set & Features
- UI/UX
- Customizations
- Scaling
- Visual Designer
- Accessiblity
- Community Support



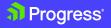
Telerik

Added Value

- Extensive Component Library
- → Themes
- Telerik Presentation Framework
- → High DPI & Vector Graphics
- Enhanced Editors and Wizards
- UI Automation Everywhere
 - Technical Support



Control Set → Extensive Component Library



Data Management

GridView

PivotGrid

VirtualGrid

ListView

TreeView

FilterView

PropertyGrid



Data Management

GridView

PivotGrid

VirtualGrid

ListView

TreeView

FilterView

PropertyGrid

Data Visualization & Scheduling

Map

Diagram

Chart View

Scheduler

GanttView

TaskBoard

TreeMap

Gauges

Data Management

GridView

PivotGrid

VirtualGrid

ListView

TreeView

FilterView

PropertyGrid

Data Visualization & Scheduling

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TaskBoard

TreeMap

Gauges

Forms and Interactivity

Forms

Docking

Flyouts

Task Dialog

Virtual

Keyboard

Webcam

Image Editor

Data Management

GridView

PivotGrid

VirtualGrid

ListView

TreeView

FilterView

PropertyGrid

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Forms and Interactivity

Forms

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Task Dialog

Virtual

Keyboard

Webcam

Image Editor

Document Viewers

RichText

Editor

Spreadsheet

PDF Viewer

Syntax Editor

Data Management

GridView

PivotGrid

VirtualGrid

ListView

TreeView

FilterView

PropertyGrid

Data Visualization & Scheduling

Map

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Forms and Interactivity

Forms

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Flyouts

Task Dialog

Virtual

Keyboard

Webcam

Image Editor

Document Viewers

RichText

Editor

Spreadsheet

PDF Viewer

Syntax Editor

ΑI

Al Prompt

PDF AI

Insights

TBD

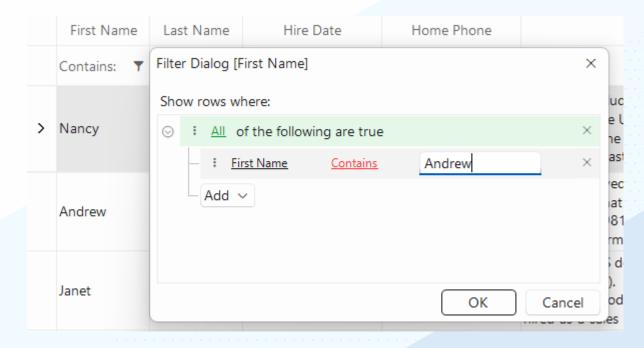
Data Management

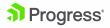


Data Management

RadGridView

- Sorting, Filtering, Grouping, Paging
- OpenEdge BypassFilter & BypassSort mode
- Hierarchical Data Display
- Summary Rows
- UI Virtualization
- Easily Customizable
- Exporting data

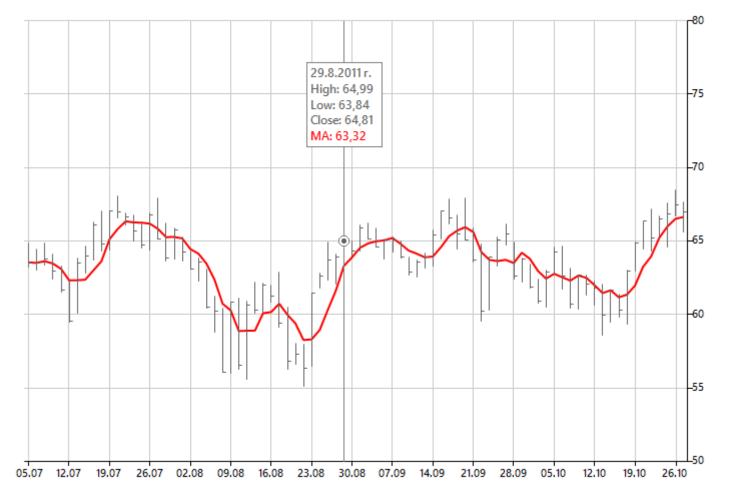






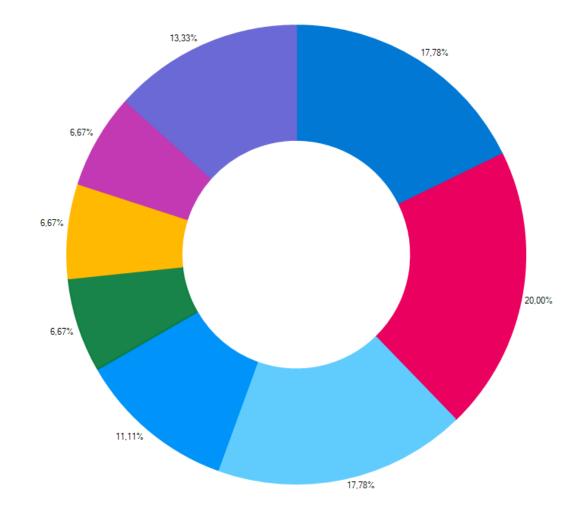
RadChartView

Cartesian Area



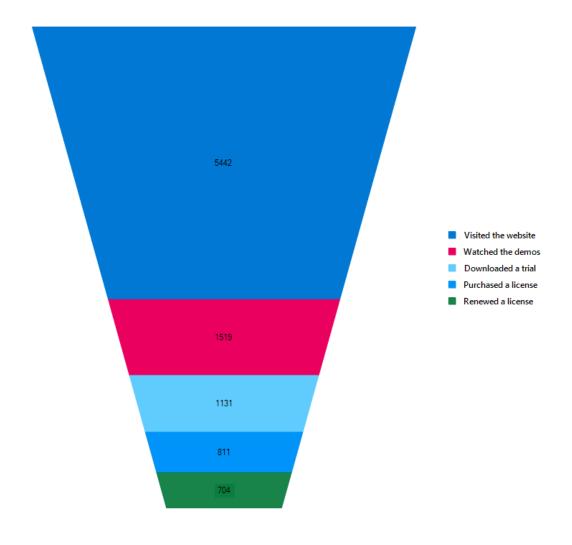


- Cartesian Area
- Pie Area



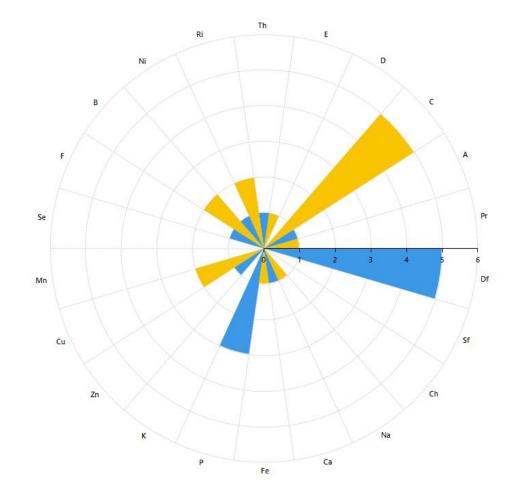


- Cartesian Area
- Pie Area
- Funnel Area



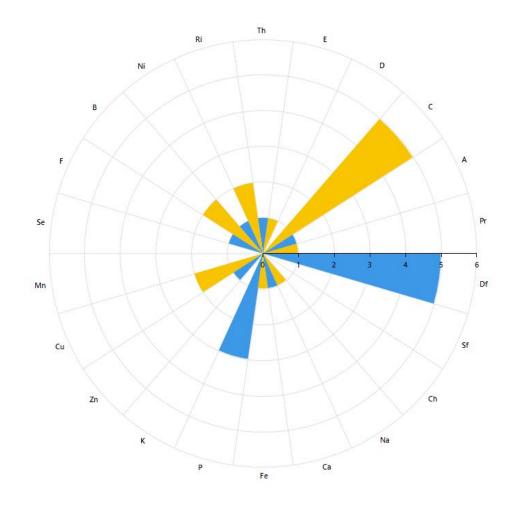


- Cartesian Area
- Pie Area
- Funnel Area
- Polar Area





- Cartesian Area
- Pie Area
- Funnel Area
- Polar Area
- Features: Scroll & Zoom, Drill-Down, Trackball, Smart Labels, and many more in our docs





Scheduling



Scheduling RadScheduler

- Appointment Management
- Variety of Data Sources
- Resources and Grouping
- Reminders and Notifications
- Time Zones and Globalization
- ICal compatible
- Easily Customizable



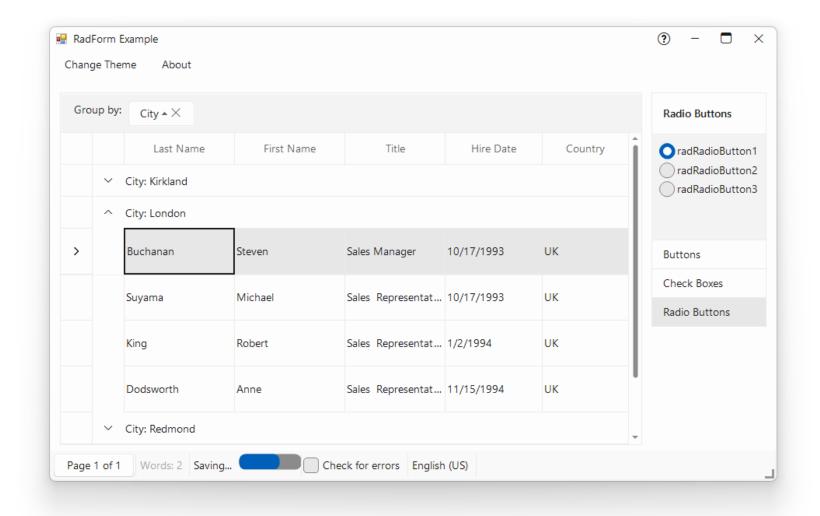


Interactivity Forms



Interactivity Forms

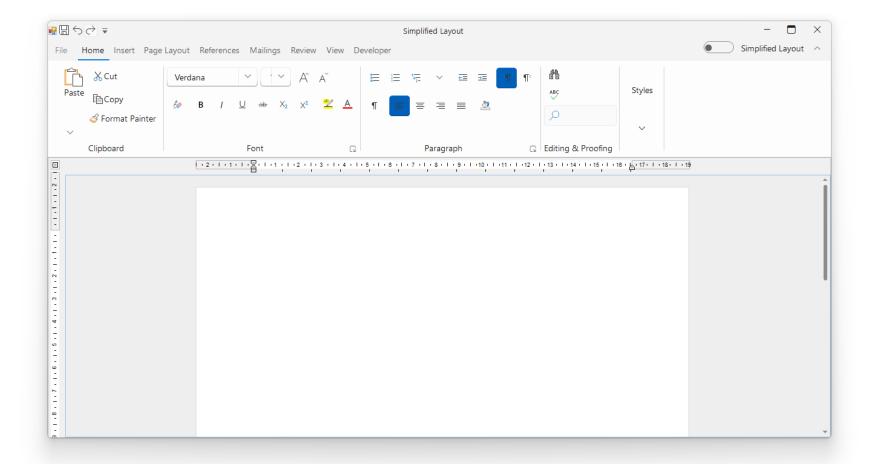
Form





Interactivity Forms

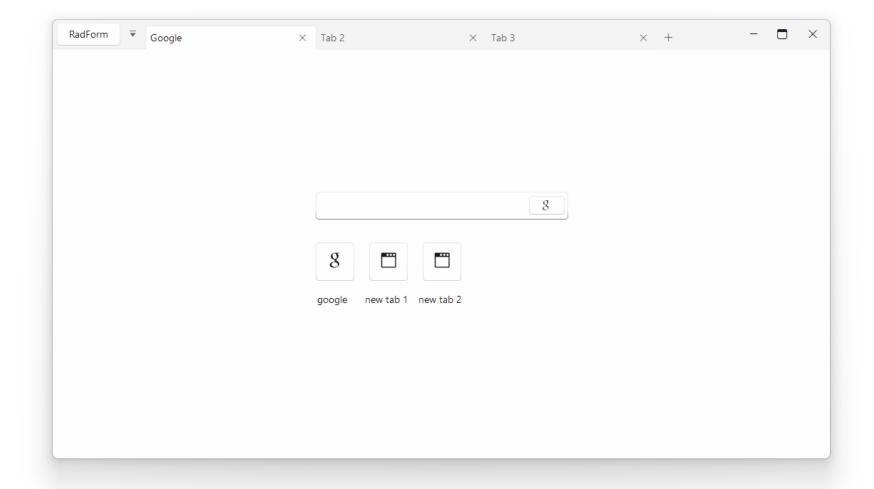
- Form
- Ribbon Form





Interactivity Forms

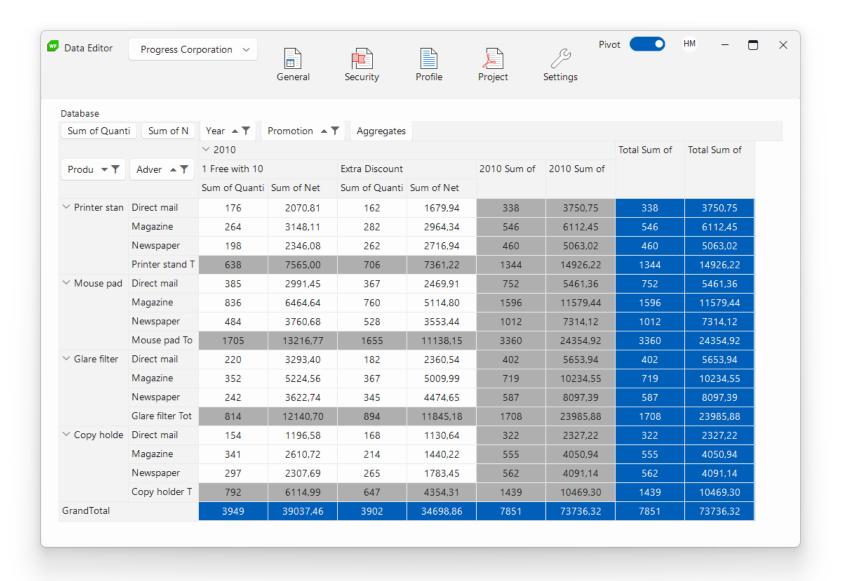
- Form
- Ribbon Form
- Tabbed Form





Interactivity Forms

- Form
- Ribbon Form
- Tabbed Form
- Toolbar Form





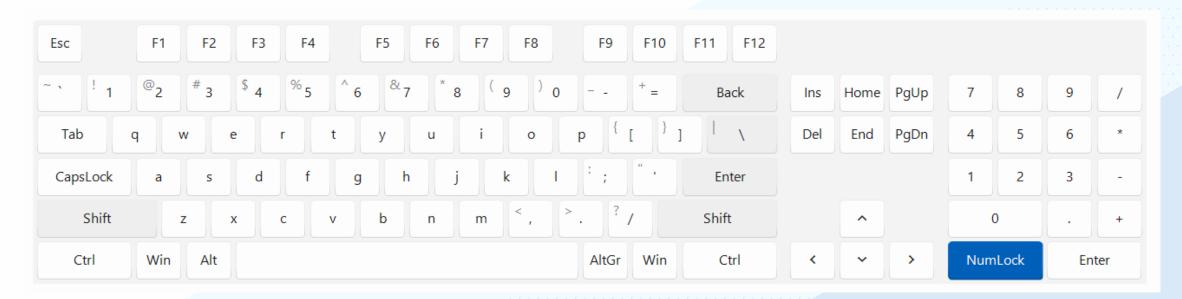
Interactivity Virtual Keyboard

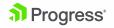


Interactivity Virtual Keyboard

- No Need of a Physical Keyboard
- Predefined Layouts QWERTY

- Custom Layouts: AZERTY, Dvorak
- System Synchronization



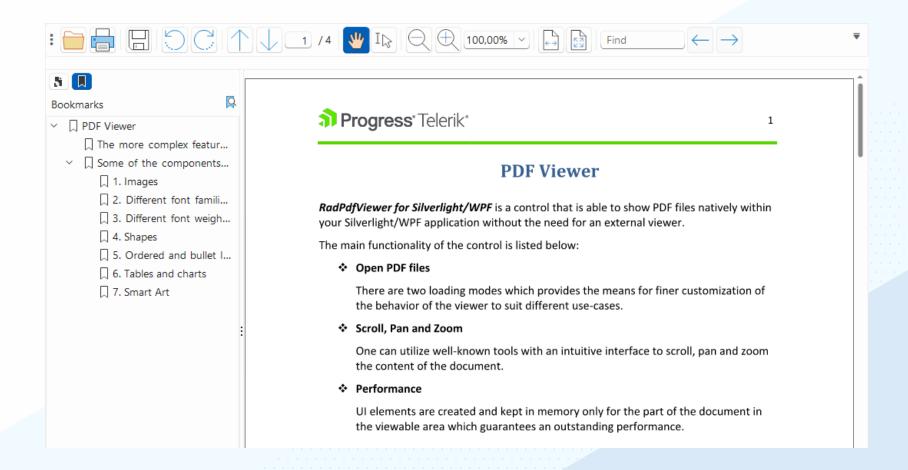


Document Viewers



Document Viewers

- RichText Editor
- Spreadsheet
- PDF Viewer
- Syntax Editor





UI/UX → Themes







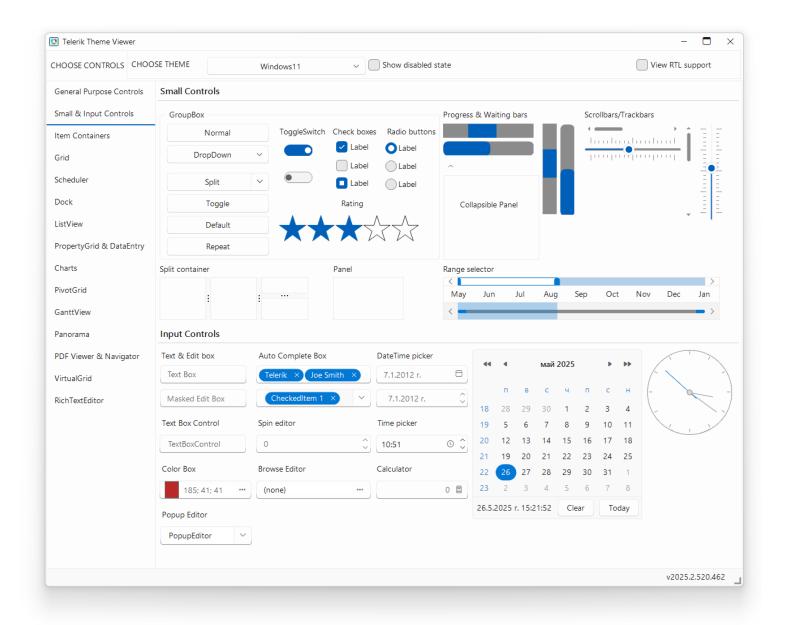




Dark

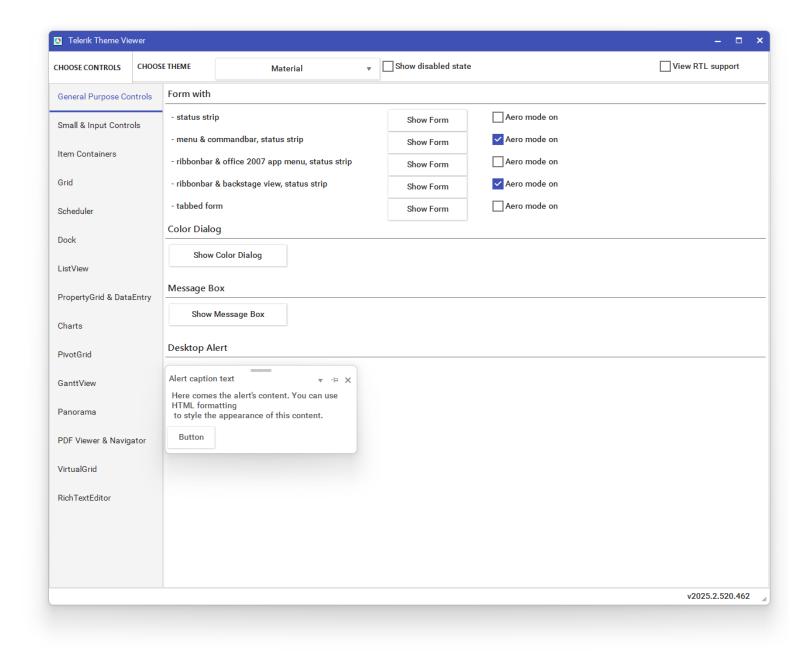


- Windows 11 \rightarrow
- Material
- Fluent
- Crystal
- Visual Studio 2022
- Office 2019
- Telerik Metro



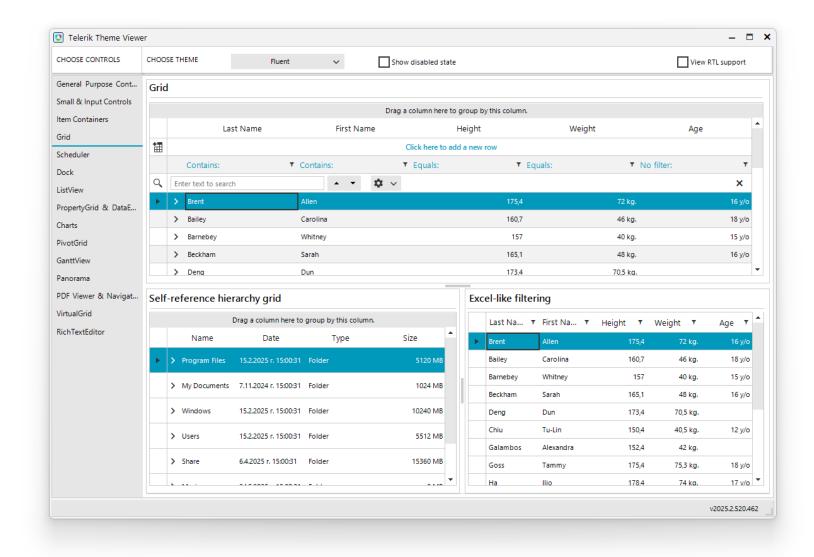


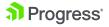
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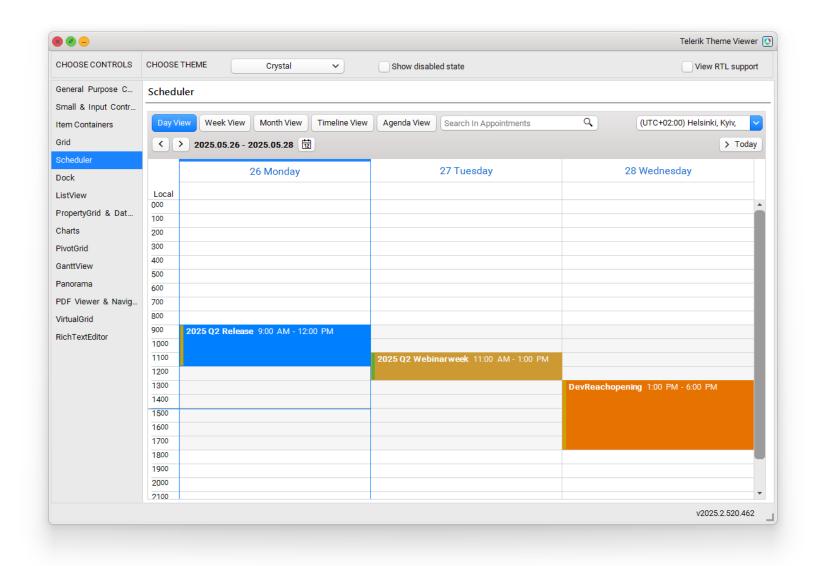


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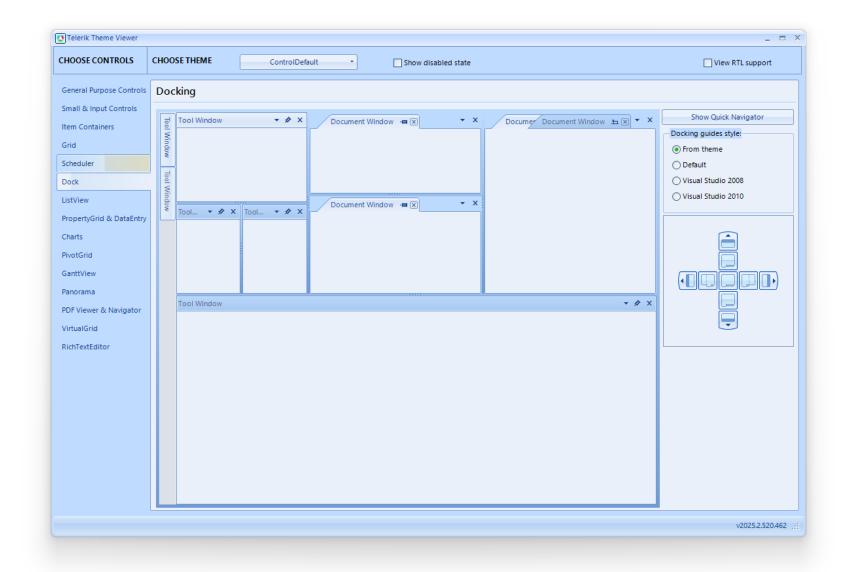
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Classic

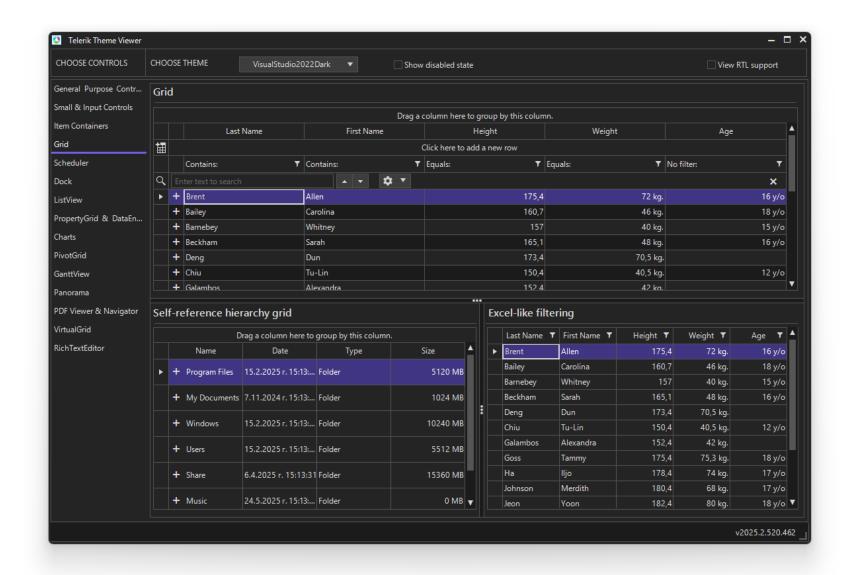
- ControlDefault →
- Desert
- Breeze
- Aqua
- Windows 7
- Windows 8
- Office 2010/2013





Dark

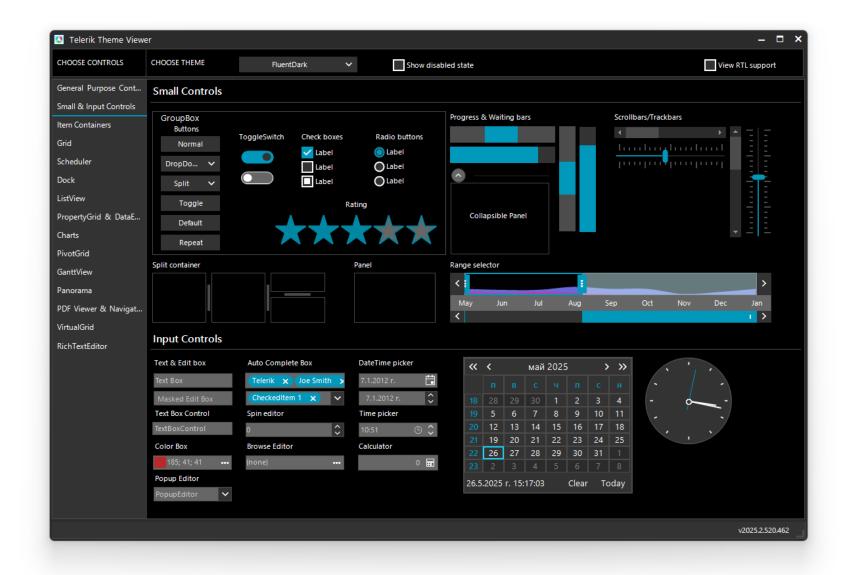
- Windows 11
- Visual Studio 2022 →
- Fluent
- Crystal
- Visual Studio 2012
- High Contrast Black





Dark

- Windows 11
- Visual Studio 2022
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- High Contrast Black

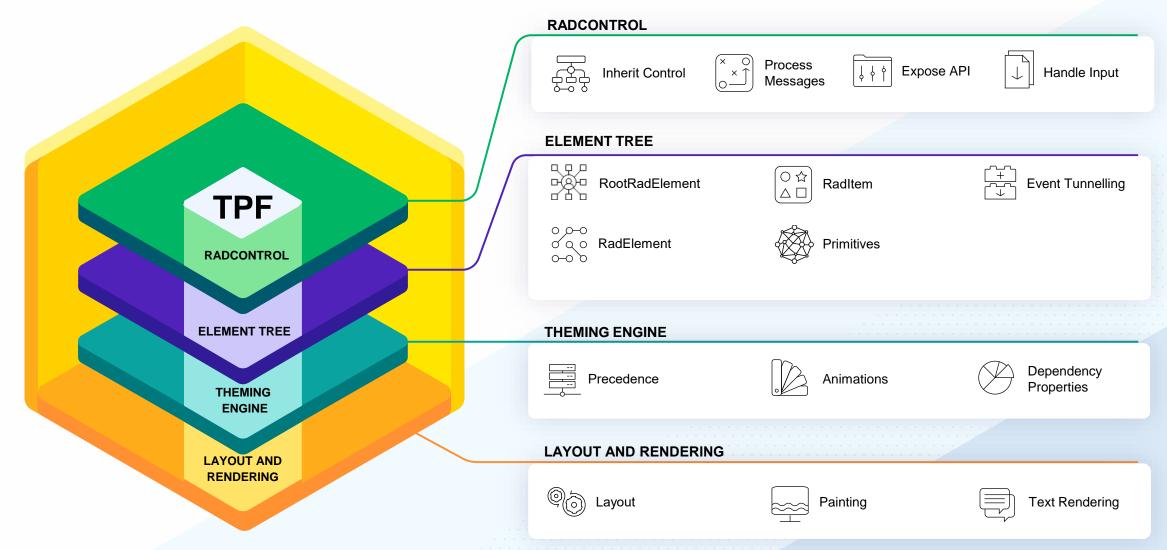




Customizations -> Telerik Presentation Framework (TPF)



Telerik Presentation Framework (TPF)





65

Scaling -> High DPI & Vector Graphics



High DPI & Vector Graphics

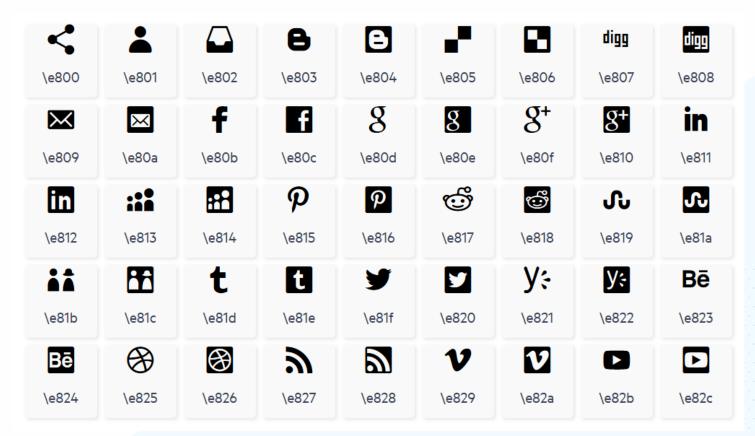
- In-House High DPI Engine
- Vector Images (SVG)
- Glyph-Based Fonts
- Scaled Fonts And Sizes
- No More Pixelization



Glyph-Based Fonts

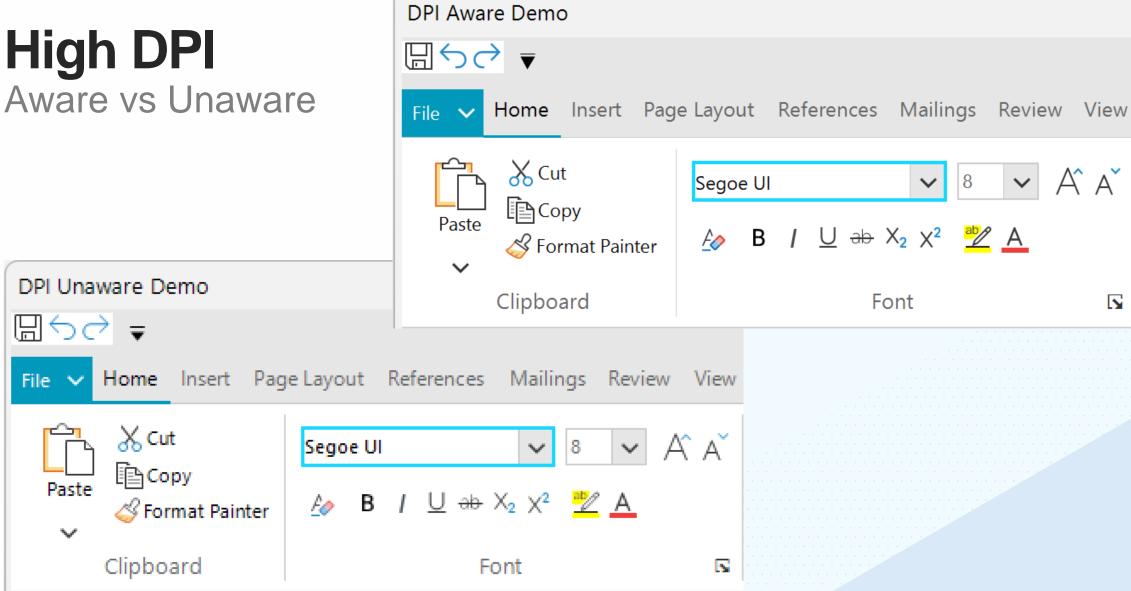
TelerikWebUI

Glyphs Reference Sheet





High DPI





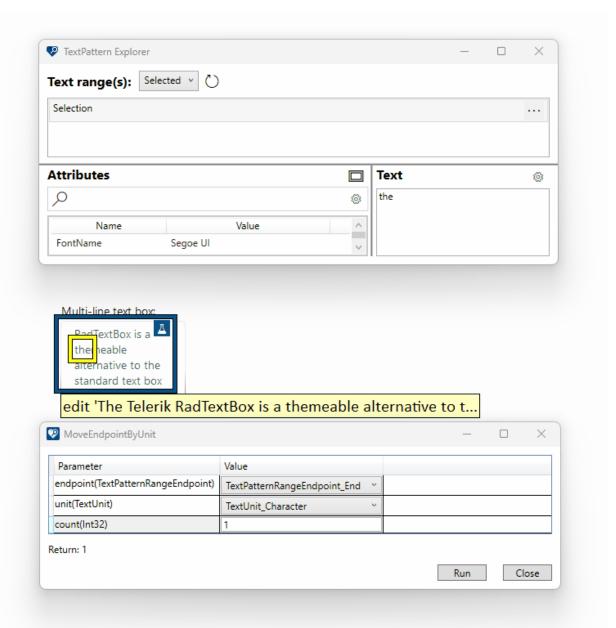
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Accessibility > Ul Automation



Accessibility

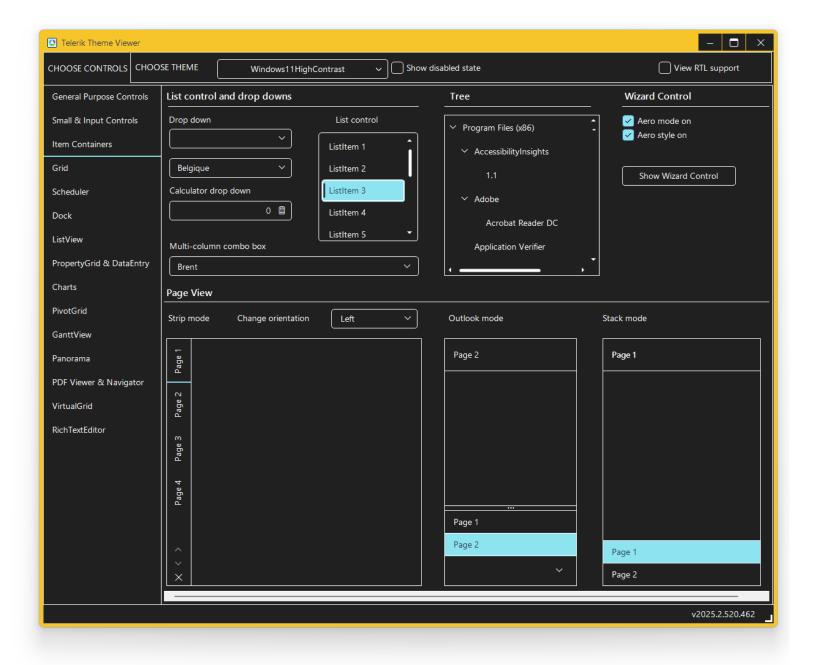
- Microsoft Active Accessibility (MSAA)
- UI Automation (UIA)
- Accessible Themes





Accessibility

Windows 11 High Contrast



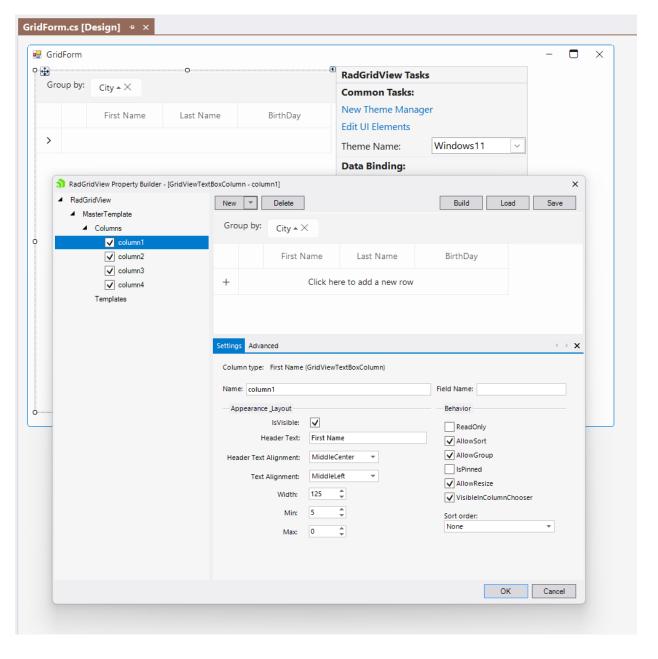


Visual Designer → Enhanced Editors and Wizards



Enhanced Editors & Wizards

- Property Builders and Wizards
- Drag-and-Drop UI Building
- Code Generation
- Extended Smart Tags
- Theming





Community Support > Technical Support



Proven Customer Service



- 96% customer satisfaction rate
- 55%+ first response resolution score



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Large Telerik Community



- 4.6M <u>forum</u> members
- 285K problems solved



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Phone and Remote Web Assistance



- Resolve complex problems
- Demonstrate in client environment



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Phone and Remote Web Assistance



- Resolve complex problems
- Demonstrate in client environment

Video Onboarding



- Telerik <u>Video</u>Courses
- Seamless onboarding experience



Getting Started



Getting Started

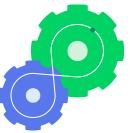
Get Telerik UI for WinForms



Resources



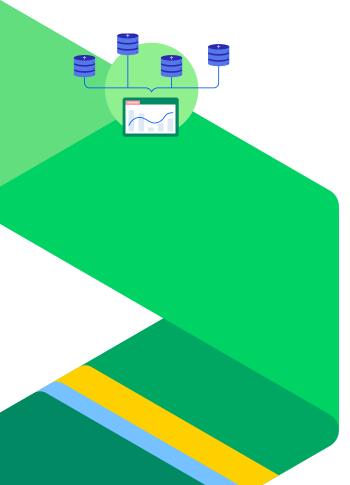
Telerik Licensing



Get Telerik UI for WinForms



Get Telerik UI for WinForms

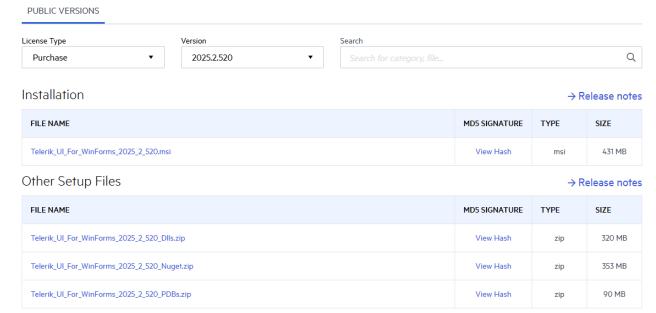


Progress*

- NuGet
- Web Installer
- MSI Installer

Get Telerik UI for WinForms

- Progress*
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- Web Installer
- MSI Installer
- Manually on: https://www.telerik.com/account/



Resources



Resources

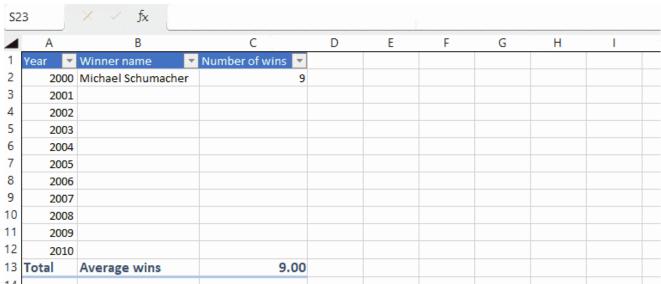
- Documentation & Knowledge Base
- Sample Apps
- GitHub WinForms SDK
- Smart Al Components





Resources

- Documentation & Knowledge Base
- Sample Apps
- GitHub WinForms SDK
- Smart AI Components







Telerik Licensing



Telerik Licensing

- <u>License Key Files in Telerik and Kendo UI</u>
 Products
- New Subscription Packages for Telerik & Kendo UI
- Frequently Asked Questions
- License Keys | Your Account

Your License Keys

License Key

To use the listed products below, a valid license key is required. You can download your license key directly from here or visit our Licensing FAQ.

Below are links to the product documentation articles, which include detailed instructions on how to apply your license kev.

Download License Key

LICENSED PRODUCTS	SCRIPT KEY ①	DETAILS
Progress® Kendo UI® for Angular	N/A	View Documentation
Progress® Kendo UI® for jQuery	View key	View Documentation



Telerik Licensing

Telerik Licensing & OpenEdge

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Roadmap



Roadmap

- Al Enablement
- Data Annotations in RadGridView
- Extended UI Automation Support
- Azure Provider in RadMap
- High DPI Improvements
- .NET 10 Support



Document Processing Libraries



Document Processing Libraries

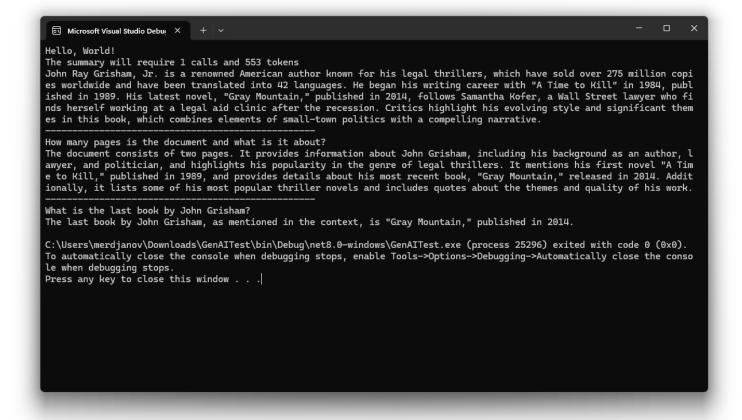
- PDF Processing
- Words Processing
- Spread Processing
- Spread Stream Processing
- ZIP Library



PDF Processing

Al Document Insights

- Information Retrieval
- Token Optimization
- Multiple LLM Support





Microsoft



Telerik

Foundation





Extensive Component Library

UI/UX

 \rightarrow

Themes

Customizations

 \rightarrow

Telerik Presentation Framework

Scaling

 \rightarrow

High DPI & Vector Graphics

Visual Designer

 \rightarrow

Enhanced Editors and Wizards

Accessiblity

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UI Automation Everywhere

Community Support

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 \rightarrow

Technical Support

Document Management



Thank You



Q & ALet's discuss

Slides
winforms-sdk/pug

