

O2S.Components.PDF4NET.View - PDFDocumentView

PDF viewer control adding PDF interactive features to Windows Forms and WPF applications

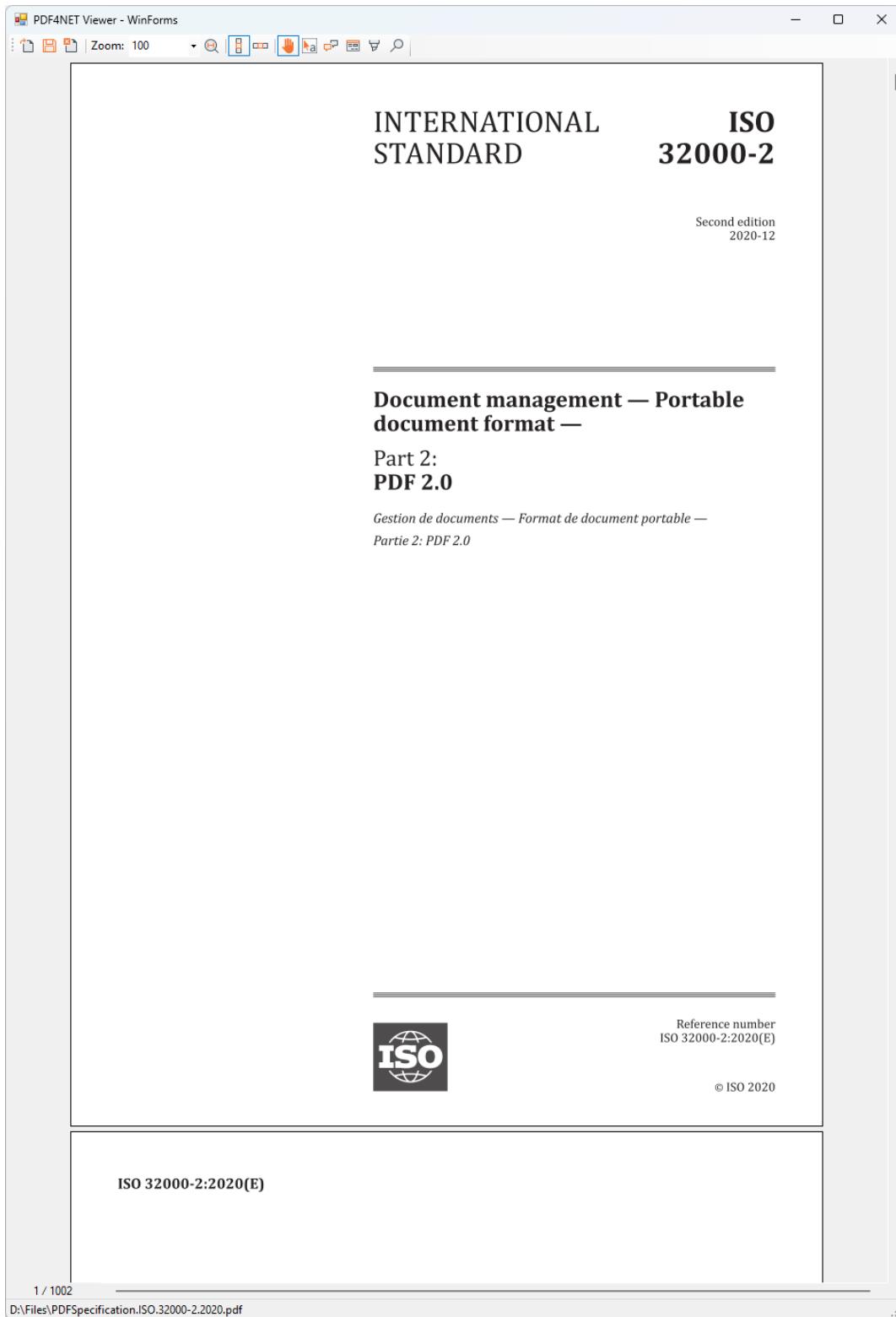
Main features:

- [Display PDF files in Windows Forms and WPF applications](#)
- [Document zoom](#)
- [Flexible page layouts](#)
- [Pages management](#)
- [Content selection](#)
- [Text search](#)
- [Text highlight](#)
- [Annotations](#)
- [Form fields](#)



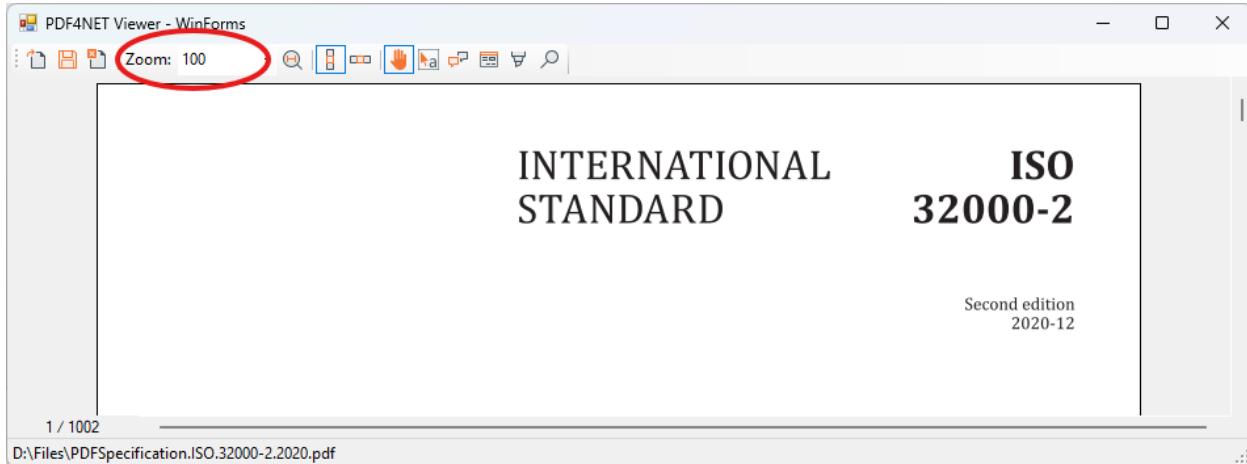
Display PDF files in Windows Forms and WPF applications

```
pdfDocumentView.Document = new PDFVisualDocument();
pdfDocumentView.Document.Load(new PDFFixedDocument("sample.pdf"));
```

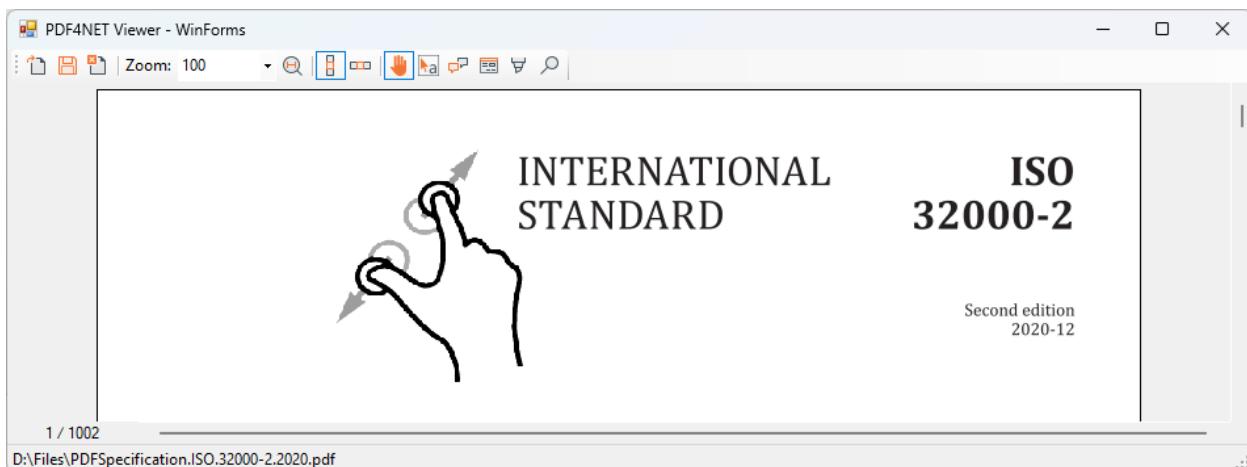


Document zoom

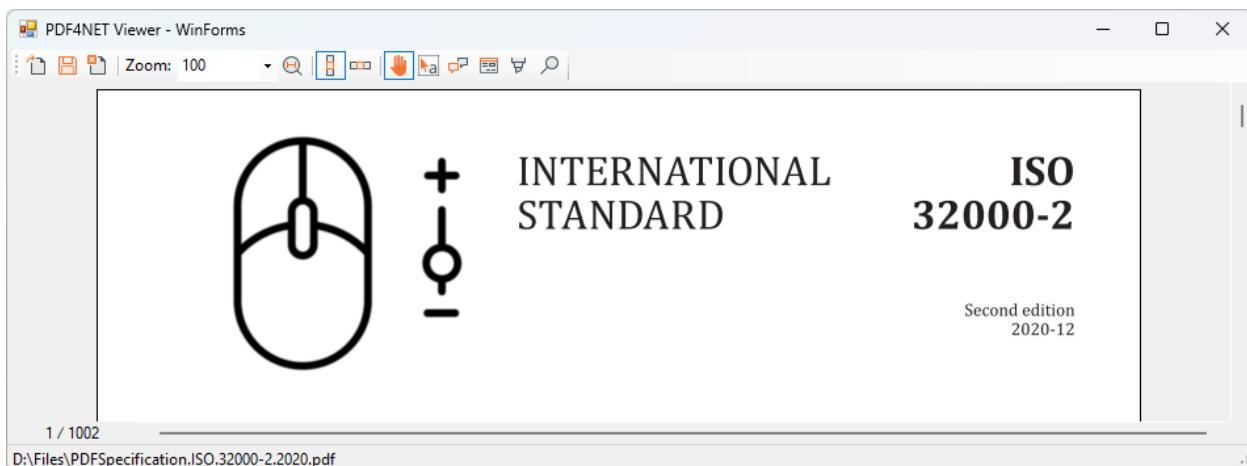
- Fixed value zoom
`pdfDocumentView.Zoom = 100;`



- Pinch-to-Zoom



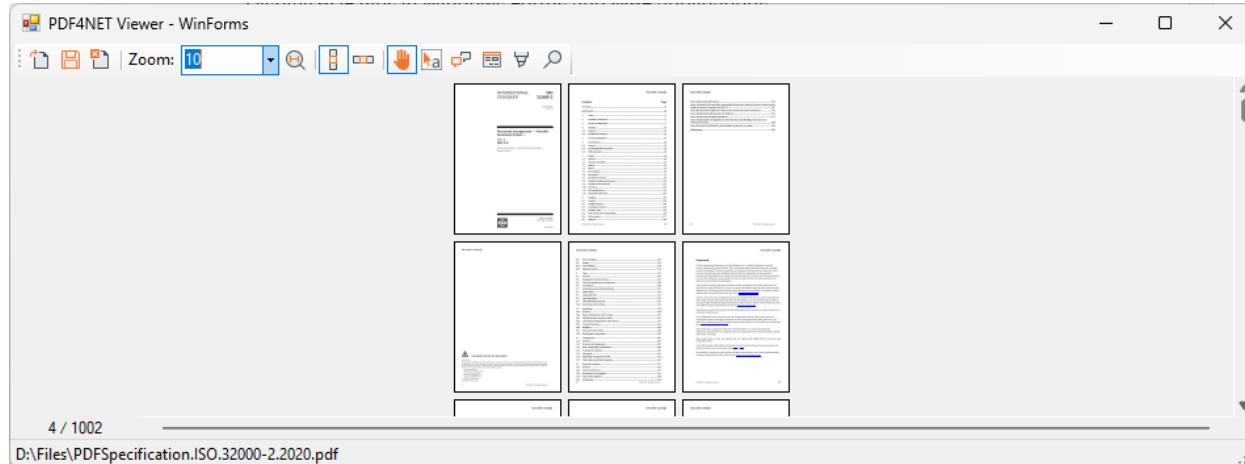
- CTRL + Mouse wheel zoom



Flexible page layouts

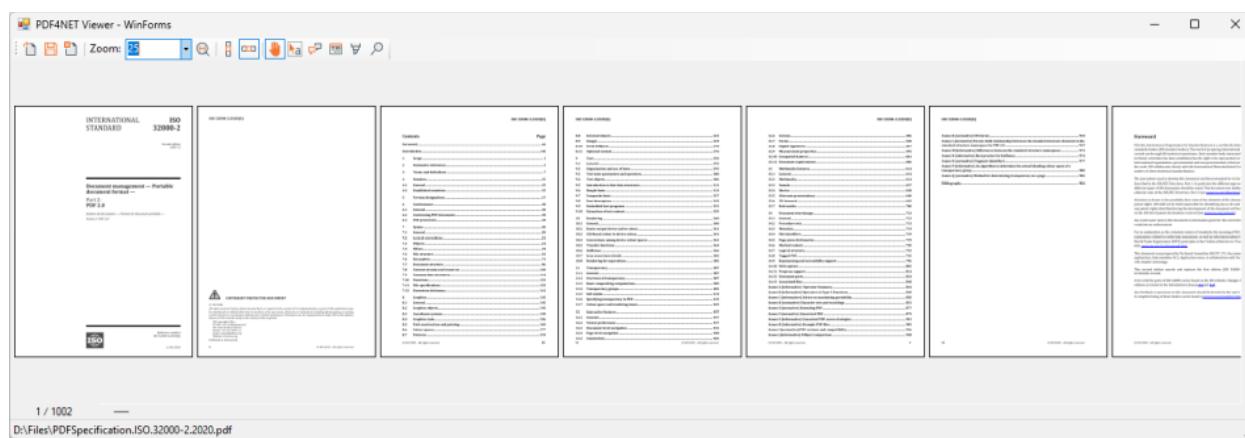
- Column based

```
pdfDocumentView.PageDisplayLayout = new PDFColumnBasedPageDisplayLayout(3);
```



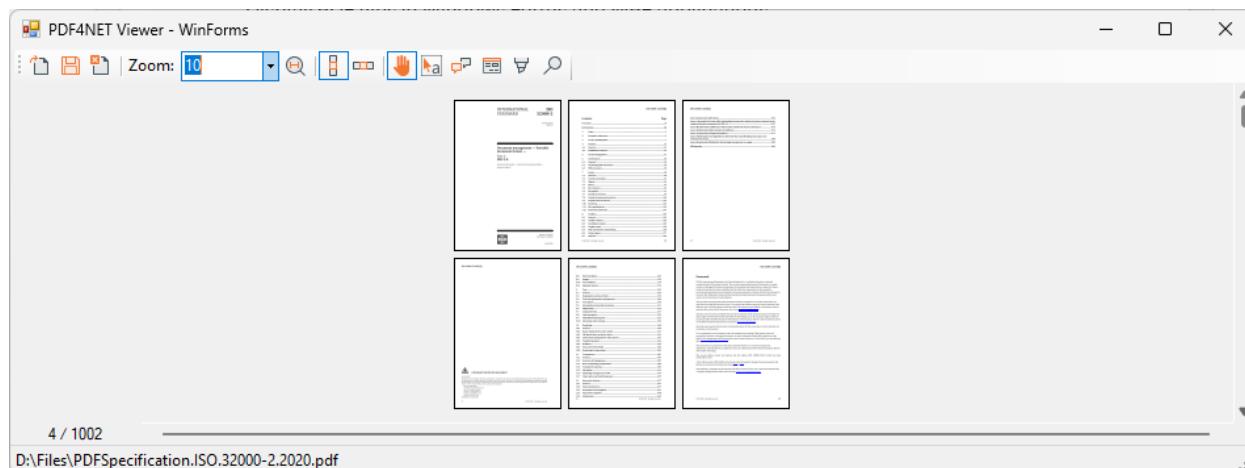
- Row based

```
pdfDocumentView.PageDisplayLayout = new PDFRowBasedPageDisplayLayout(1);
```



- Fixed grid

```
pdfDocumentView.PageDisplayLayout = new PDFFixedGridPageDisplayLayout(2, 3);
```



Pages management

- Add new pages

```
PDFPage page = new PDFPage();
PDFVisualPage visualPage = new PDFVisualPage(page);
pdfDocumentView.Document.Pages.Add(visualPage);
```

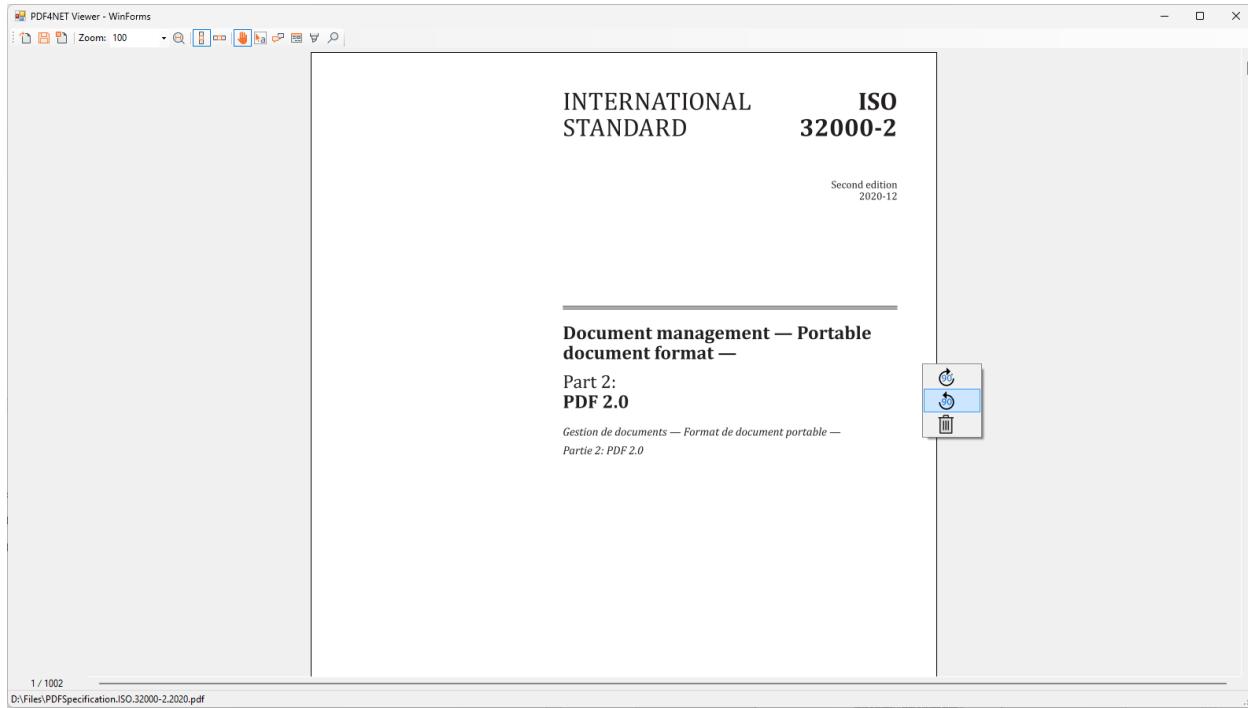
- Rotate pages

```
pdfDocumentView.Document.Pages[index].Rotation = 90;
```

- Delete pages

```
pdfDocumentView.Document.Pages.RemoveAt(index);
```

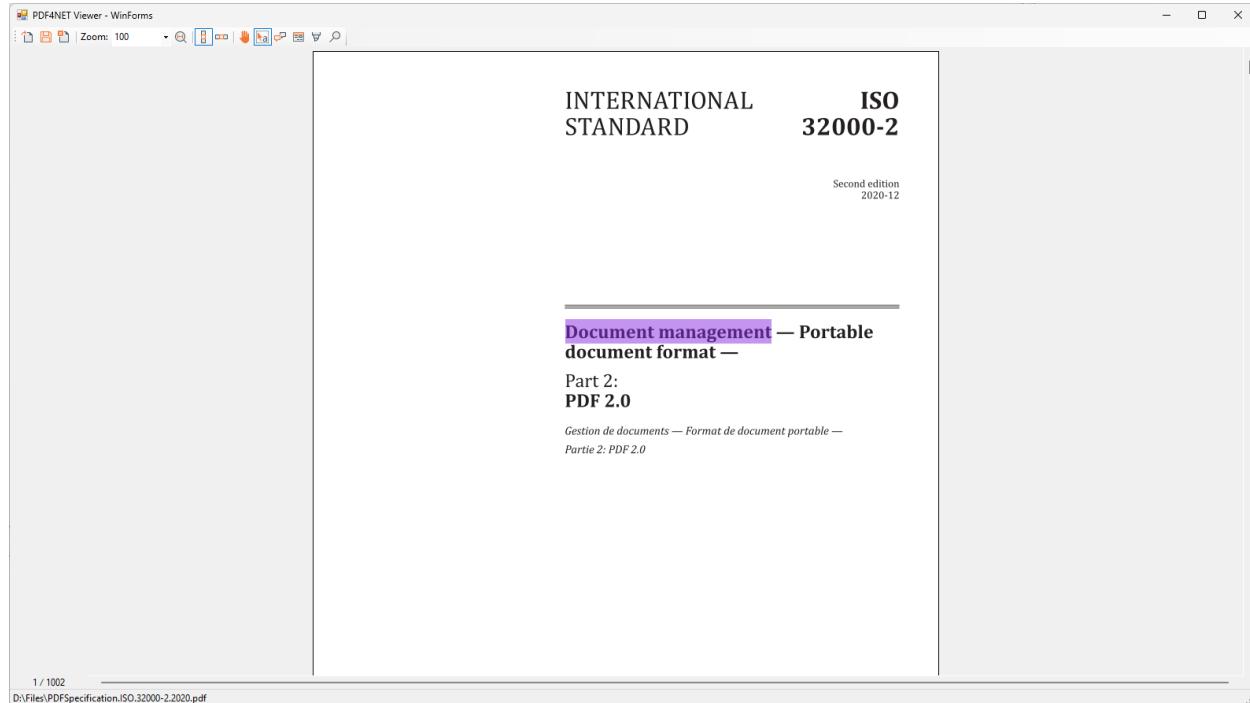
- Use the page default context menu to rotate or delete pages



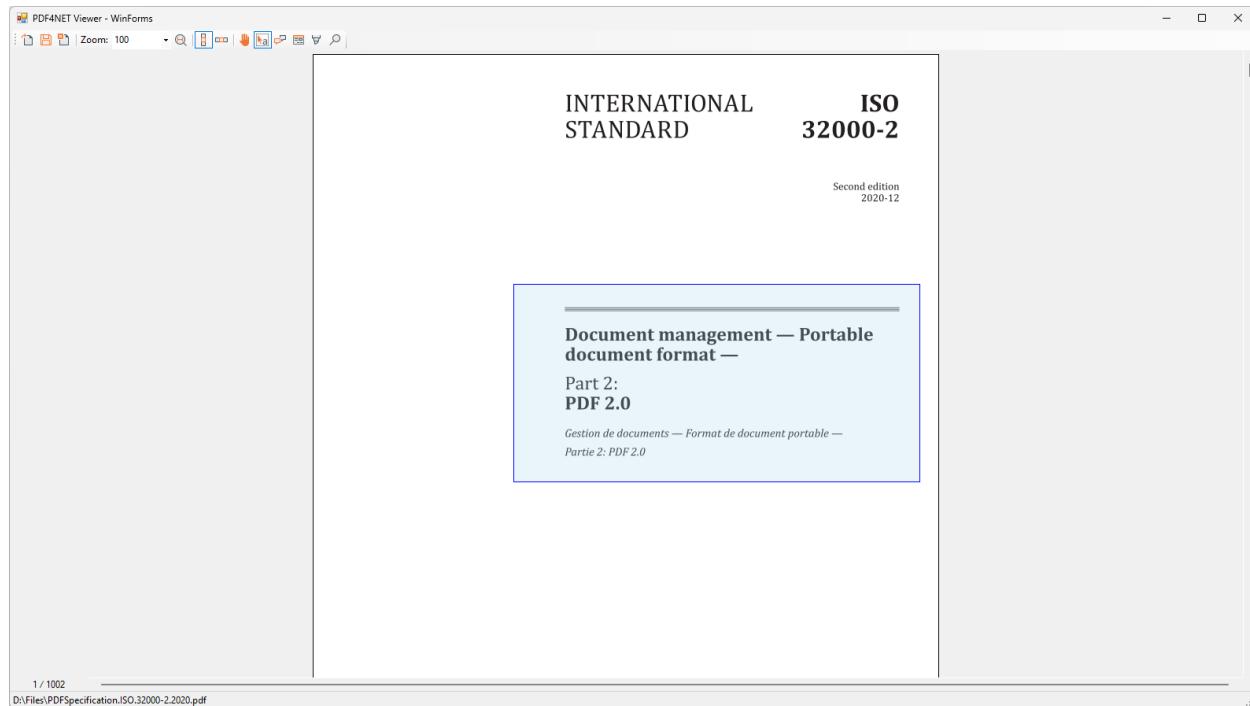
Content selection

```
pdfDocumentView.UserInteractionMode = PDFUserInteractionMode.SelectContent;
```

- Select text



- Select rectangular area on the page



Text search

- Search current page / visible pages / all pages in a document

```
PDFVisualContentLocator cl = new PDFVisualContentLocator(pdfDocumentView);
cl.SearchText("PDF",
    PDFVisualSearchRange.AllPages,
    PDFVisualTextSearchOptions.CaseInsensitiveSearch,
    true);
```

- Highlight all search results or highlight search results one by one

```
cl.HighlightNextTextSearchResult();
```

- Search options:

Aa

Match case

```
PDFVisualTextSearchOptions.CaseSensitiveSearch
```

áá

Match accent

```
PDFVisualTextSearchOptions.AccentSensitiveSearch
```

Ab

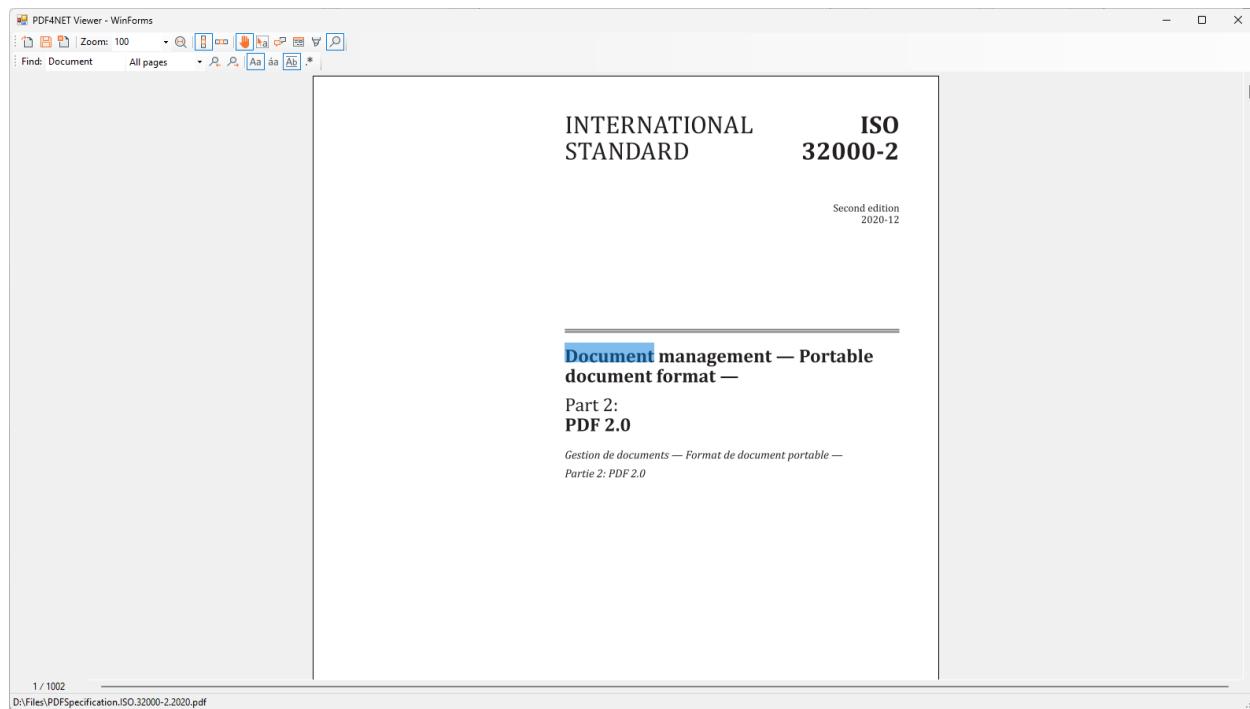
Match whole word

```
PDFVisualTextSearchOptions.WholeWordSearch
```

*

Regular expression

```
PDFVisualTextSearchOptions.RegExSearch
```



Text highlight

- Highlight

```
pdfDocumentView.UserInteractionMode = PDFUserInteractionMode.HighlightText;
```

- Underline

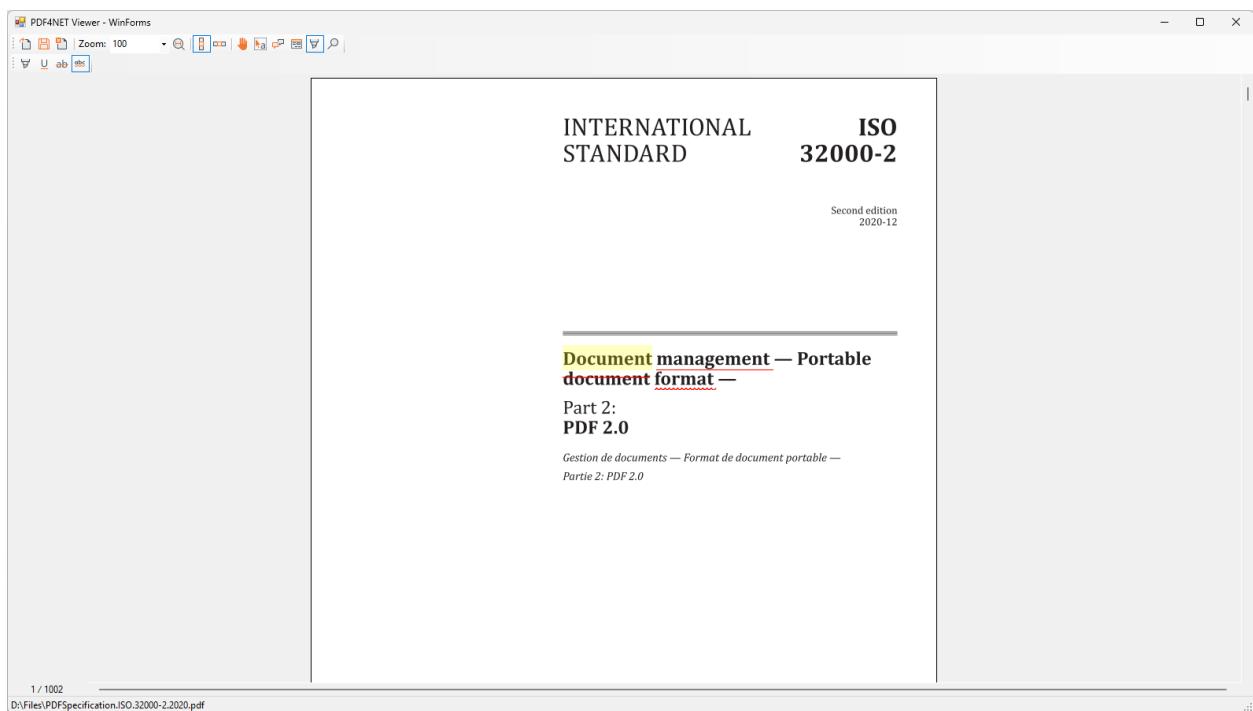
```
pdfDocumentView.UserInteractionMode = PDFUserInteractionMode.FlatUnderlineText;
```

- Strikeout

```
pdfDocumentView.UserInteractionMode = PDFUserInteractionMode.StrikeoutText;
```

- Squiggly

```
pdfDocumentView.UserInteractionMode = PDFUserInteractionMode.SquigglyUnderlineText;
```



Annotations

- Add new annotations



Text
pdfDocumentView.UserInteractionMode =
PDFUserInteractionMode.AddTextAnnotation;



Rubber stamp
pdfDocumentView.UserInteractionMode =
PDFUserInteractionMode.AddRubberStampAnnotation;



Circle
pdfDocumentView.UserInteractionMode =
PDFUserInteractionMode.AddCirlceAnnotation;



Square
pdfDocumentView.UserInteractionMode =
PDFUserInteractionMode.AddSquareAnnotation;



Cloud square
pdfDocumentView.UserInteractionMode =
PDFUserInteractionMode.AddCloudSquareAnnotation;



Line
pdfDocumentView.UserInteractionMode =
PDFUserInteractionMode.AddLineAnnotation;



Polyline
pdfDocumentView.UserInteractionMode =
PDFUserInteractionMode.AddPolylineAnnotation;



Polygon
pdfDocumentView.UserInteractionMode =
PDFUserInteractionMode.AddPolygonAnnotation;



Cloud polygon
pdfDocumentView.UserInteractionMode =
PDFUserInteractionMode.AddCloudPolygonAnnotation;



Ink
pdfDocumentView.UserInteractionMode =
PDFUserInteractionMode.AddInkAnnotation;



Link
pdfDocumentView.UserInteractionMode =
PDFUserInteractionMode.AddLinkAnnotation;



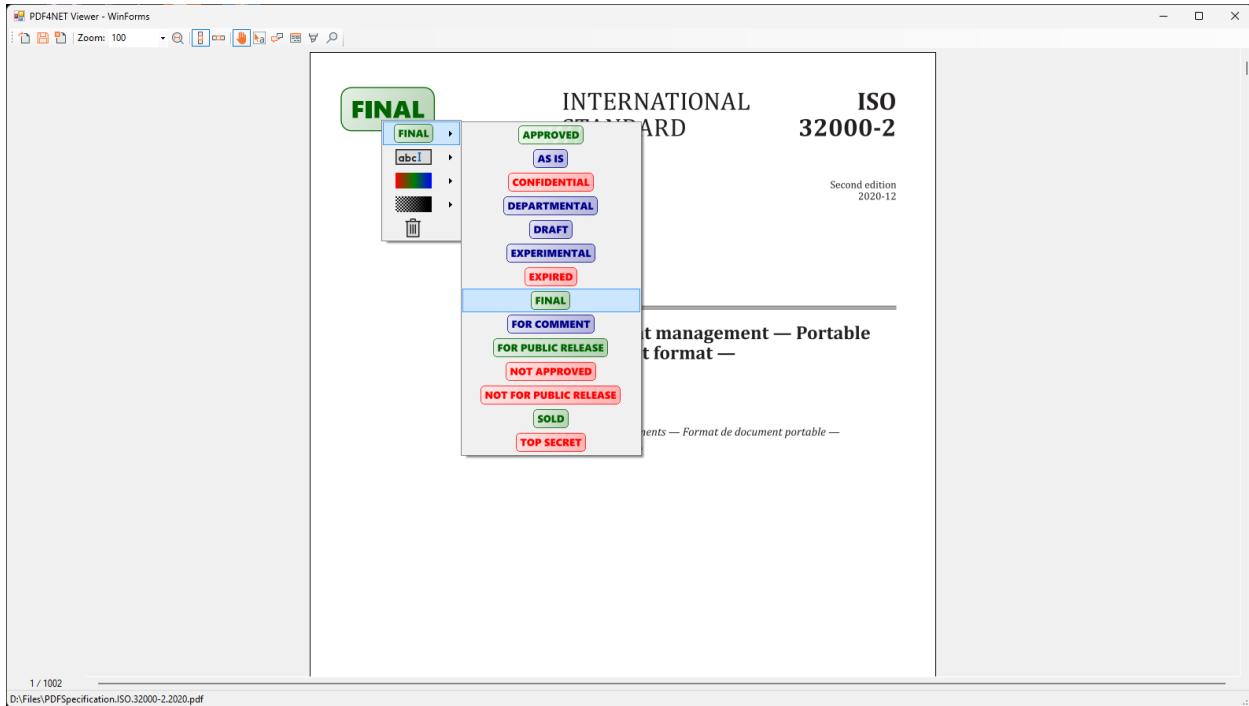
File attachment
pdfDocumentView.UserInteractionMode =
PDFUserInteractionMode.AddFileAttachmentAnnotation;



Free text
pdfDocumentView.UserInteractionMode =
PDFUserInteractionMode.AddFreeTextAnnotation;

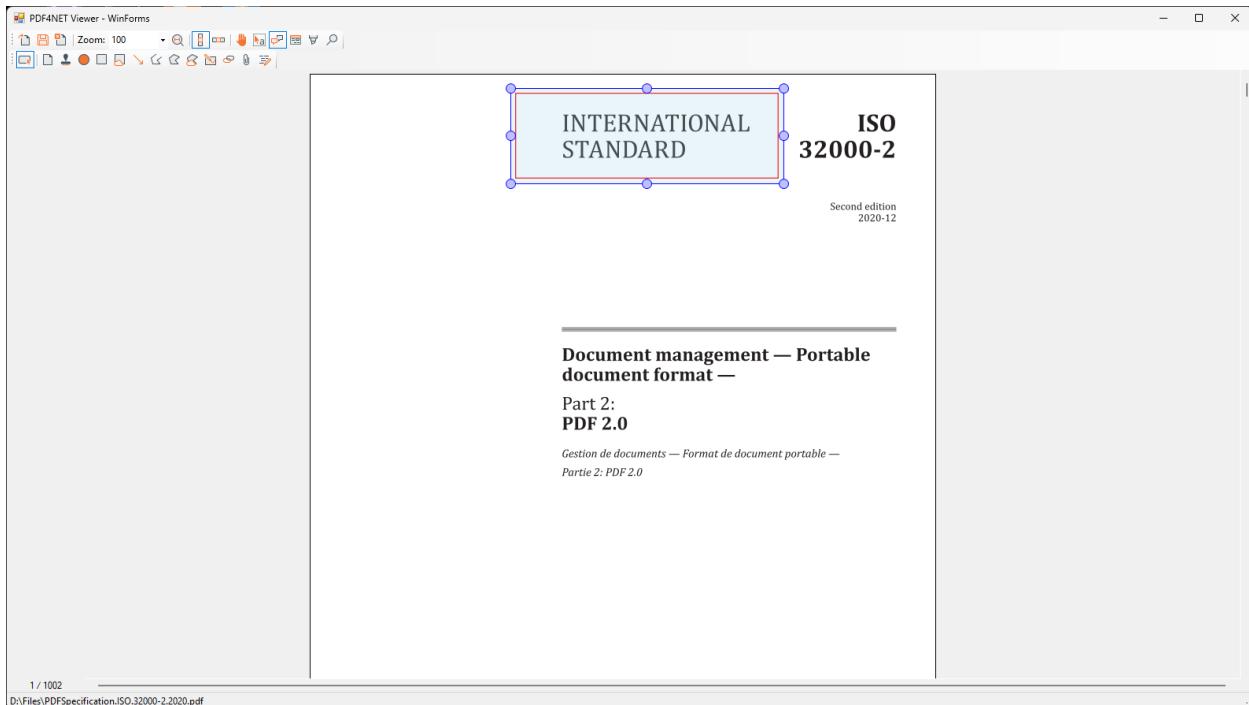


- Edit and remove annotations (default annotation context menu)



- Move and resize annotations

```
pdfDocumentView.UserInteractionMode = PDFUserInteractionMode.EditAnnotations;
```



- Select one or more annotations (CTRL + mouse or draw a selection rectangle) for group manipulation

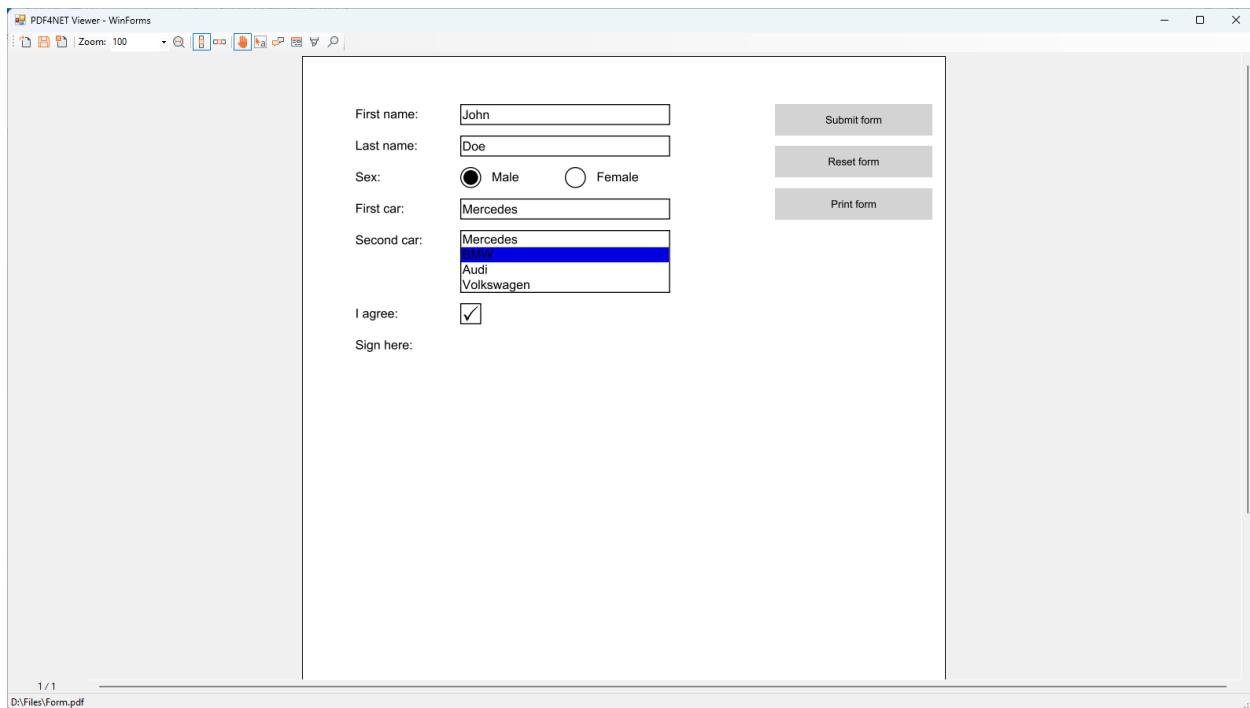
The screenshot shows the ISO 32000-2:2020(E) document's table of contents in a PDF viewer. The entire table of contents is highlighted with blue selection handles, demonstrating the ability to select multiple annotations at once.

Contents	Page
Foreword	vii
Introduction	viii
1 Scope	1
2 Normative references	2
3 Terms and definitions	7
4 Notation	15
4.1 General	15
4.2 Established notations	15
5 Version designations	17
6 Conformance	18
6.1 General	18
6.2 Conforming PDF documents	18
6.3 PDF processors	18
7 Syntax	20
7.1 General	20
7.2 Lexical conventions	21
7.3 Objects	24
7.4 Filters	34
7.5 File structure	53
7.6 Encryption	71
7.7 Document structure	96
7.8 Content streams and resources	110
7.9 Common data structures	114
7.10 Functions	123
7.11 File specifications	132



Form fields

- Fill PDF forms



- Add new form fields



Textbox

```
pdfDocumentView.UserInteractionMode =  
    PDFUserInteractionMode.AddTextBoxField;
```



Checkbox

```
pdfDocumentView.UserInteractionMode =  
    PDFUserInteractionMode.AddCheckBoxField;
```



RadioButton

```
pdfDocumentView.UserInteractionMode =  
    PDFUserInteractionMode.AddRadioButtonField;
```



ComboBox

```
pdfDocumentView.UserInteractionMode =  
    PDFUserInteractionMode.AddComboBoxField;
```



ListBox

```
pdfDocumentView.UserInteractionMode =  
    PDFUserInteractionMode.AddListBoxField;
```



PushButton

```
pdfDocumentView.UserInteractionMode =  
    PDFUserInteractionMode.AddPushButtonField;
```

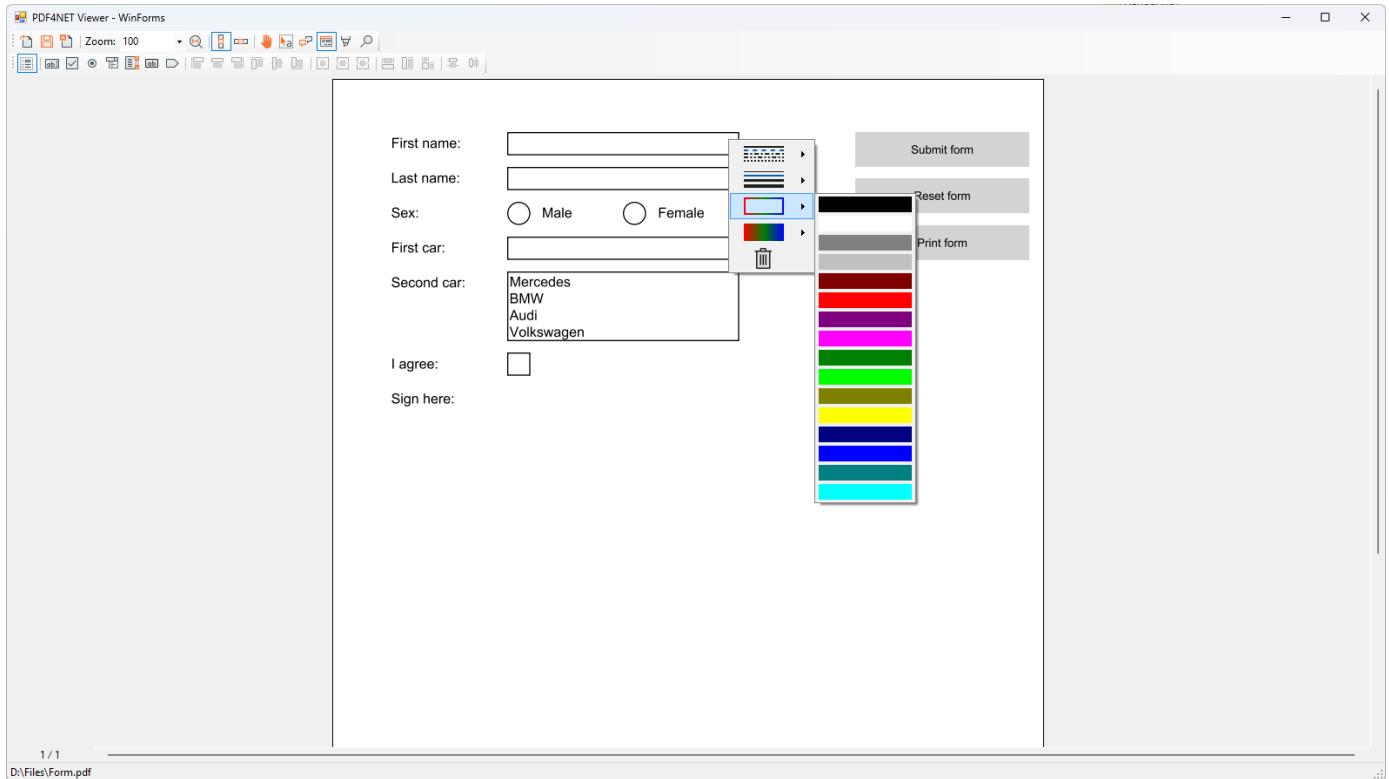


Signature

```
pdfDocumentView.UserInteractionMode =  
    PDFUserInteractionMode.AddSignatureField;
```

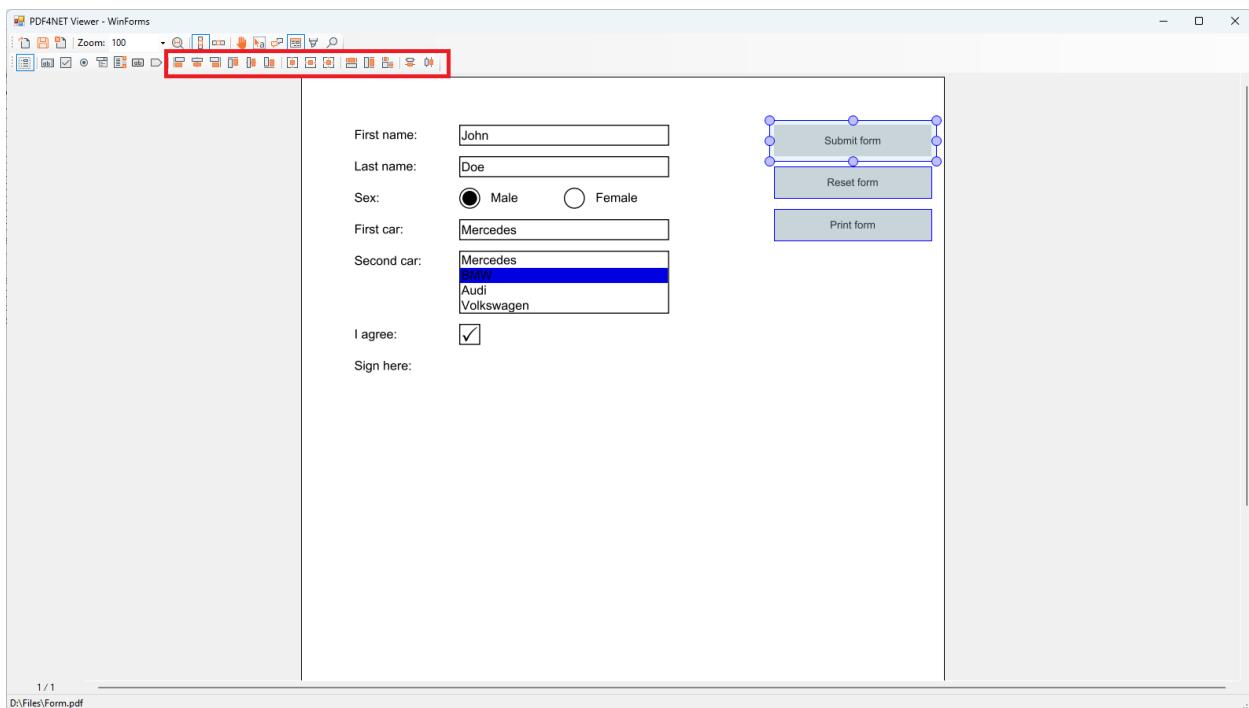


- Edit and remove form fields (default field context menu)



- Extended form design operations

```
pdfDocumentView.UserInteractionMode = PDFUserInteractionMode.EditFormFields;
PDFVisualFormDesigner formDesigner = pdfDocumentView.FormDesigner;
```



- Form designer capabilities



Align left
`formDesigner.AlignLeft();`



Align center
`formDesigner.AlignCenter();`



Align right
`formDesigner.AlignRight();`



Align top
`formDesigner.AlignTop();`



Align middle
`formDesigner.AlignMiddle();`



Align bottom
`formDesigner.AlignBottom();`



Center horizontally
`formDesigner.CenterHorizontally();`



Center vertically
`formDesigner.CenterVertically();`



Center both
`formDesigner.CenterBoth();`



Make same width
`formDesigner.MatchWidth();`



Make same height
`formDesigner.MatchHeight();`



Make same size
`formDesigner.MatchWidthAndHeight();`



Distribute horizontally
`formDesigner.SpaceEquallyOnHorizontal();`



Distribute vertically
`formDesigner.SpaceEquallyOnVertical();`



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<https://commons.wikimedia.org/w/index.php?curid=9386075>

Mouse wheel zoom illustration: [Scroll icons created by Khoirul Huda - Flaticon](#)



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