

## **O2S.Components.PDF4NET.View - PDFDocumentView**

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

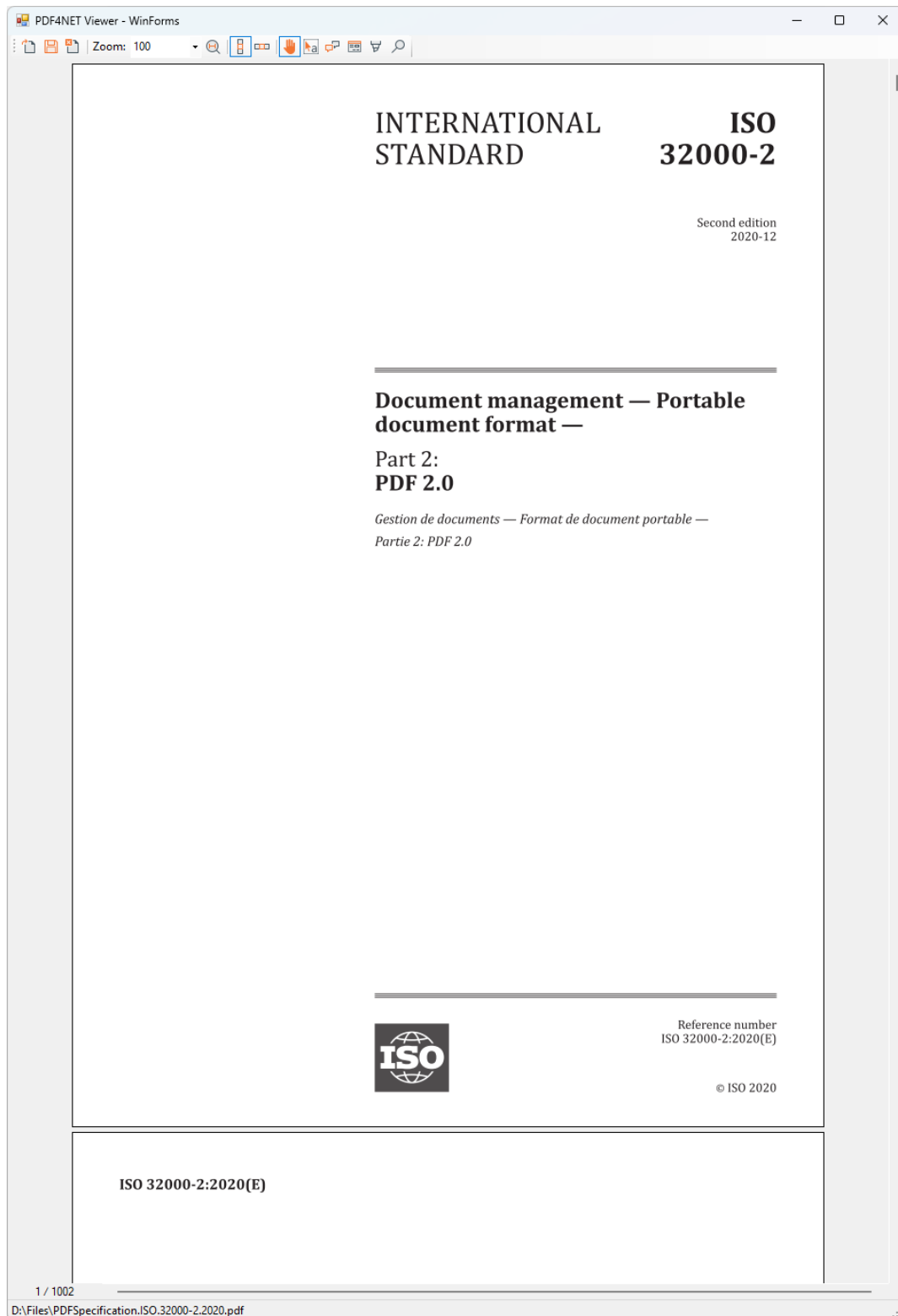
Main features:

- [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](#)



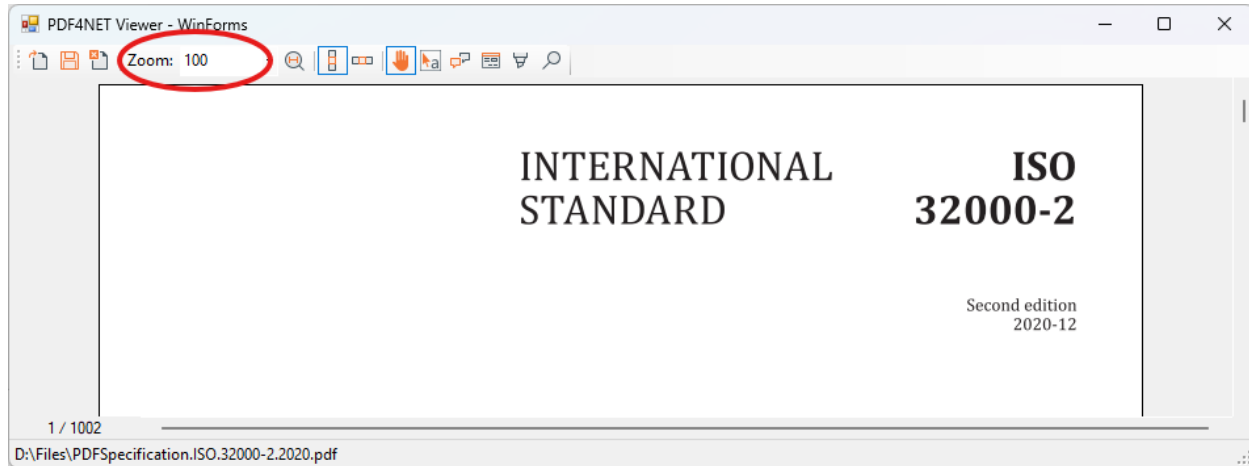
## Display PDF files in Windows Forms and WPF applications

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



## Document zoom

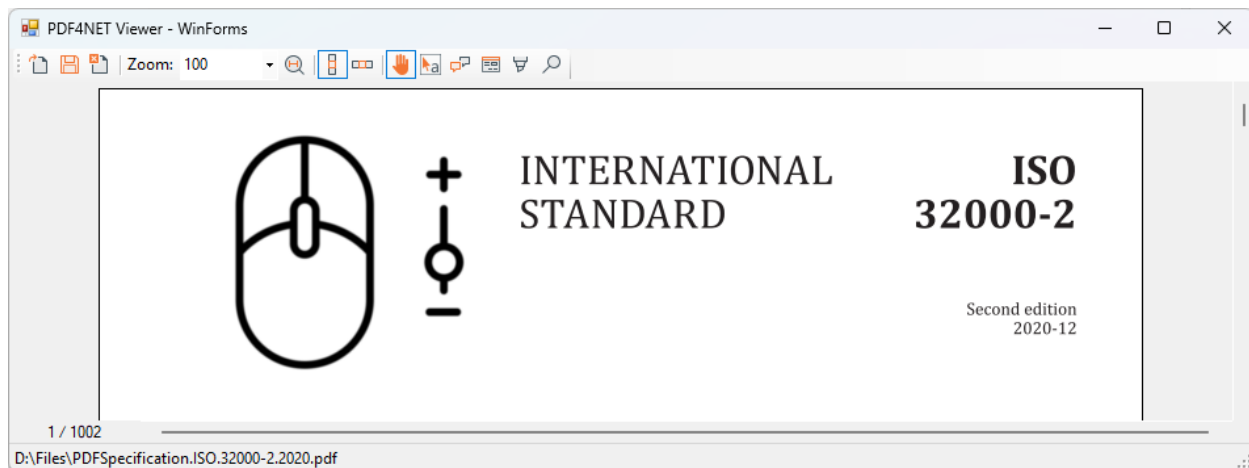
- Fixed value zoom  
`pdfDocumentView.Zoom = 100;`



- Pinch-to-Zoom



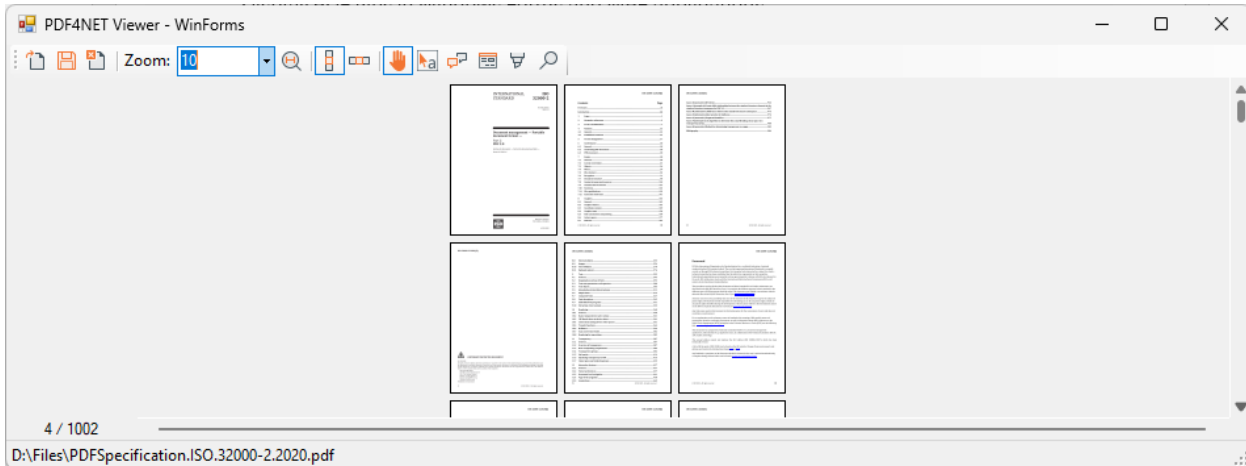
- CTRL + Mouse wheel zoom



## Flexible page layouts

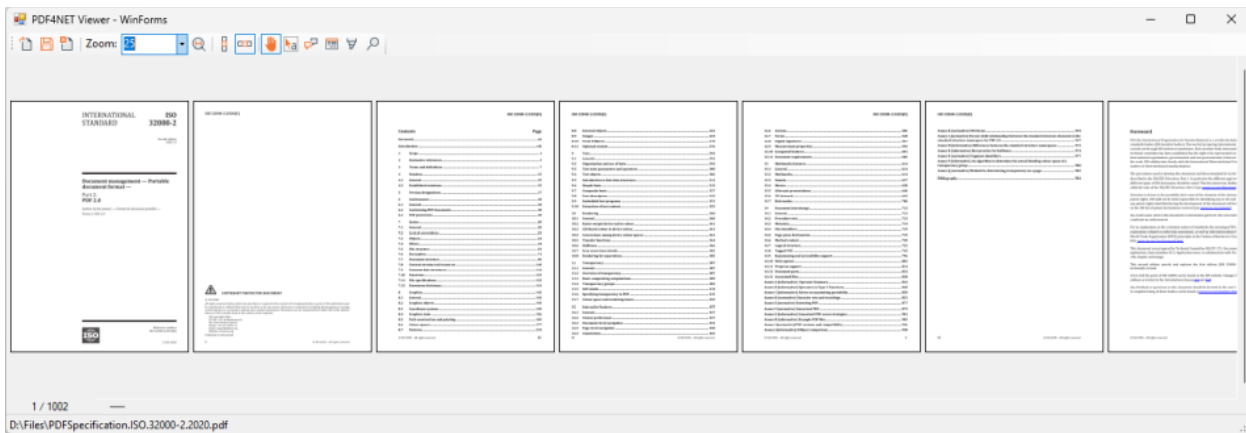
- Column based

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



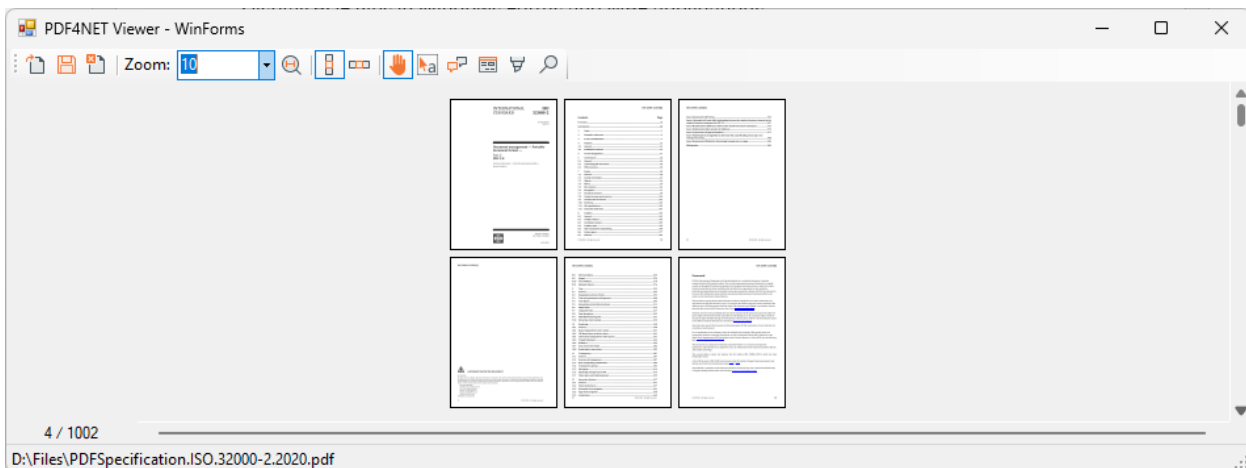
- Row based

```
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);
```

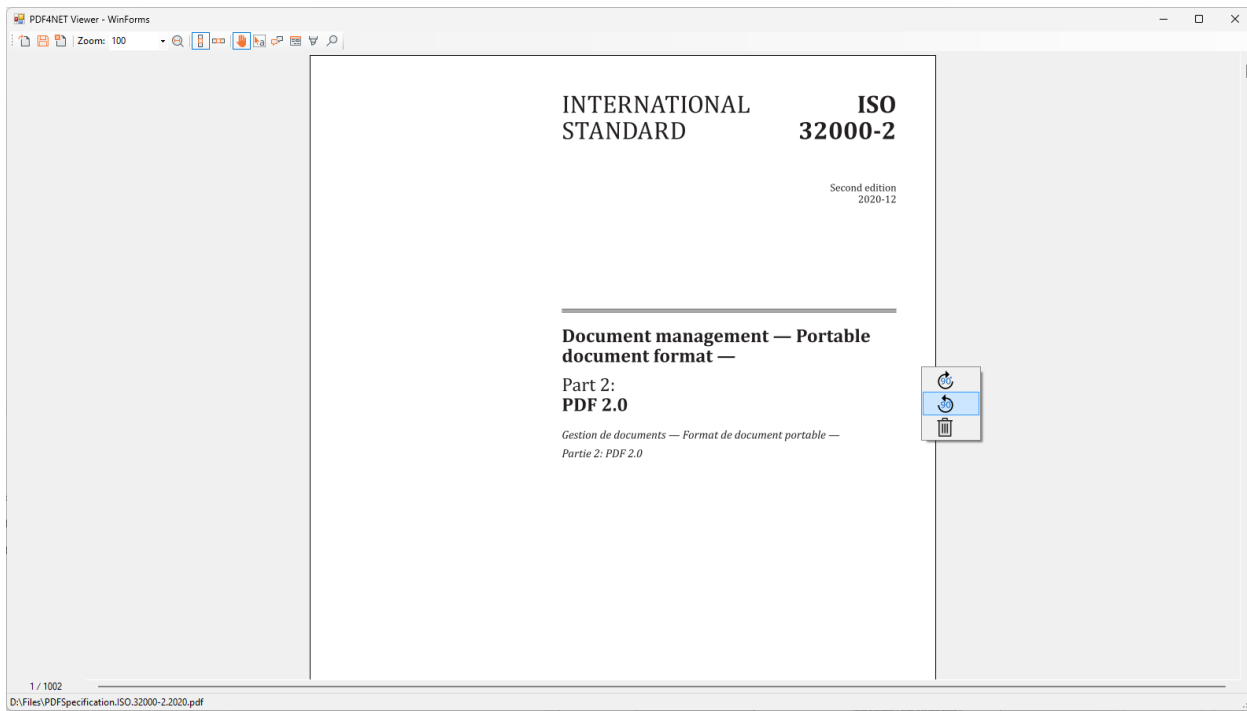
- Rotate pages

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

- Delete pages

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

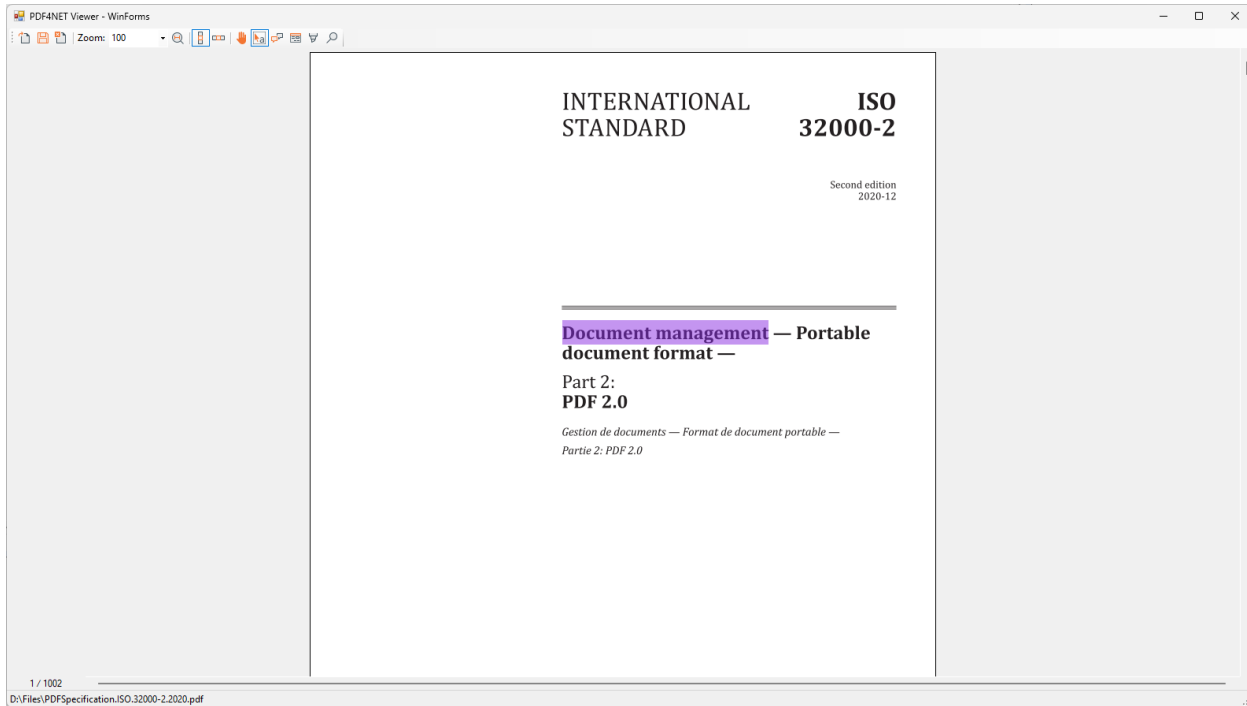
- Use the page default context menu to rotate or delete pages



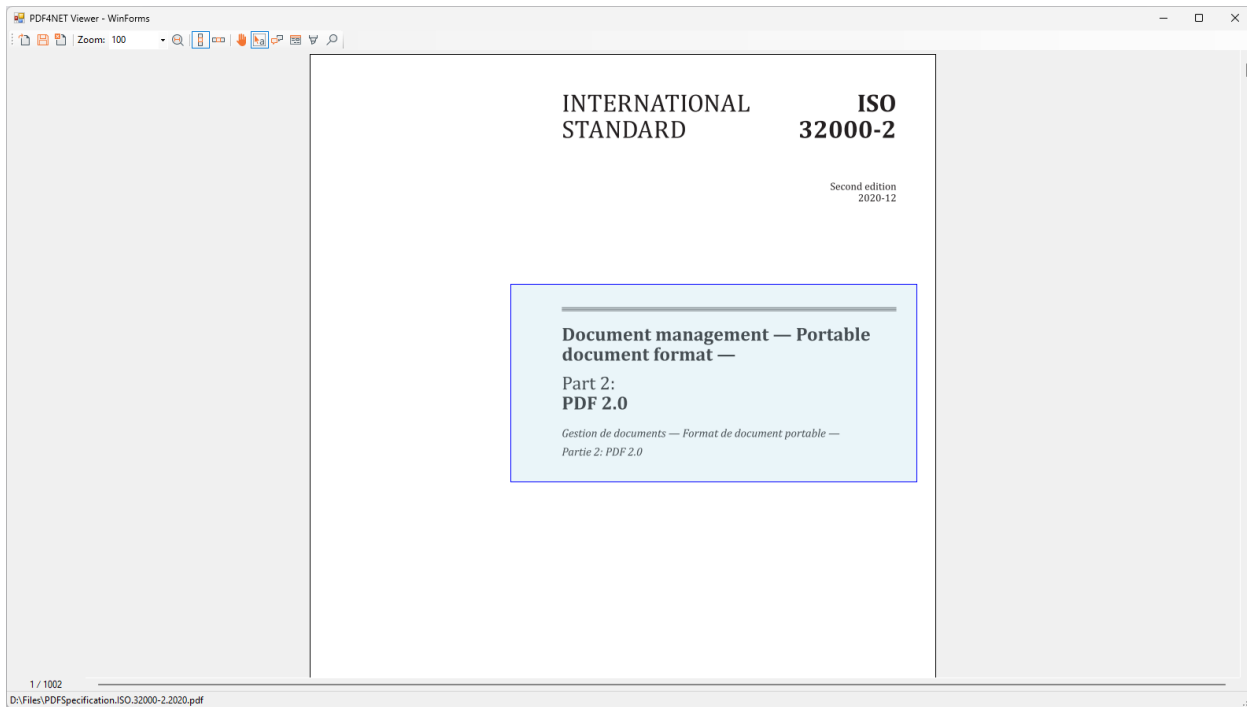
## Content selection

```
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`

áa

Match accent

`PDFVisualTextSearchOptions.AccentSensitiveSearch`

Ab

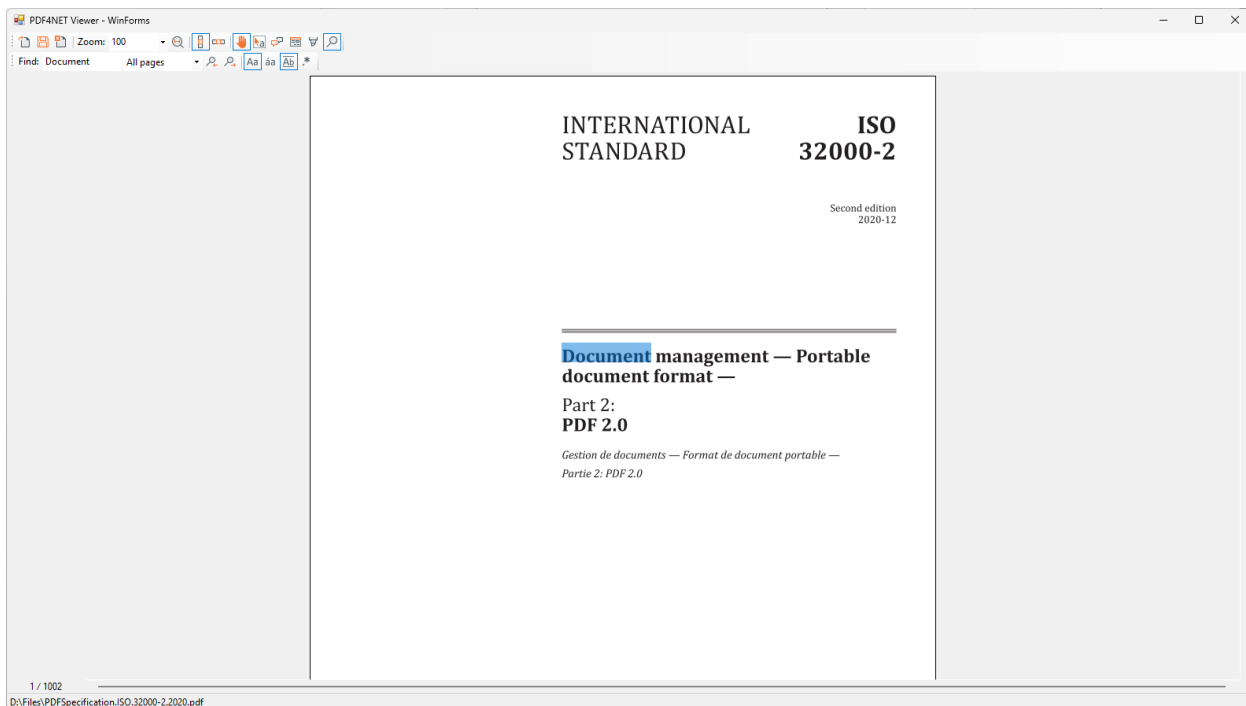
Match whole word

`PDFVisualTextSearchOptions.WholeWordSearch`

\*

Regular expression

`PDFVisualTextSearchOptions.RegExSearch`



## Text highlight

- Highlight

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

- Underline

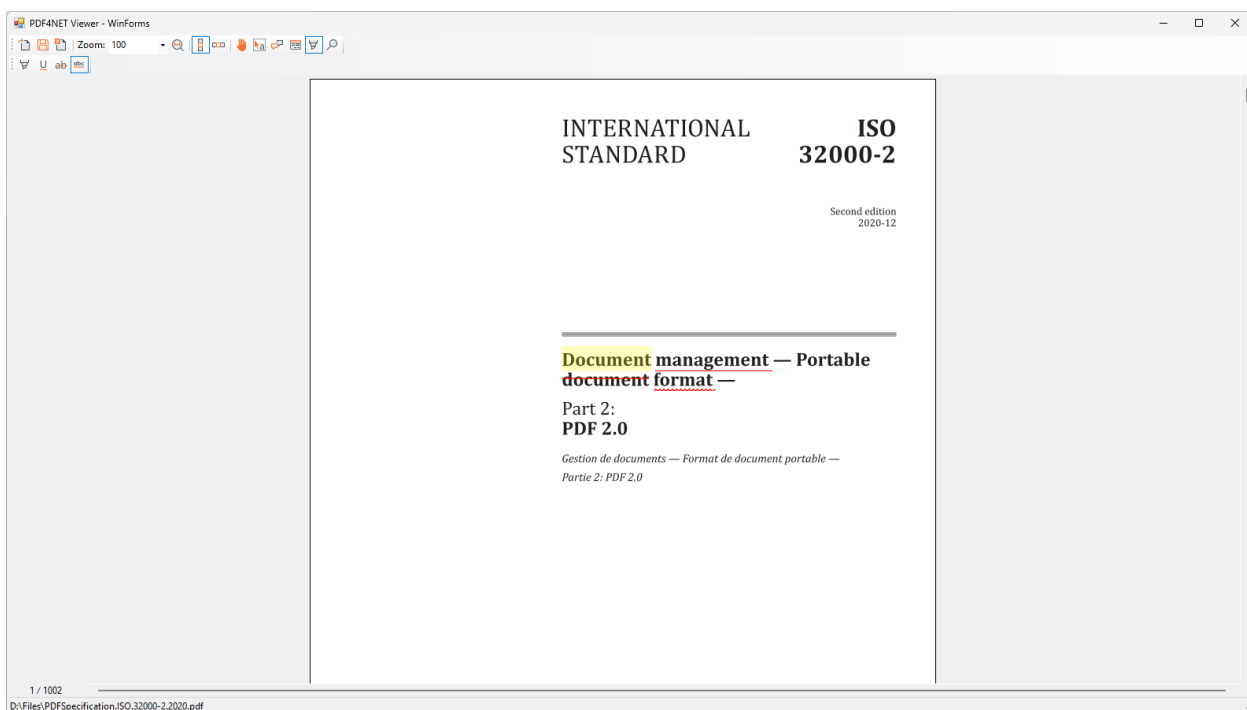
```
pdfDocumentView.UserInteractionMode = PDFUserInteractionMode.FlatUnderlineText;
```

- 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.AddCircleAnnotation;
```



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;
```

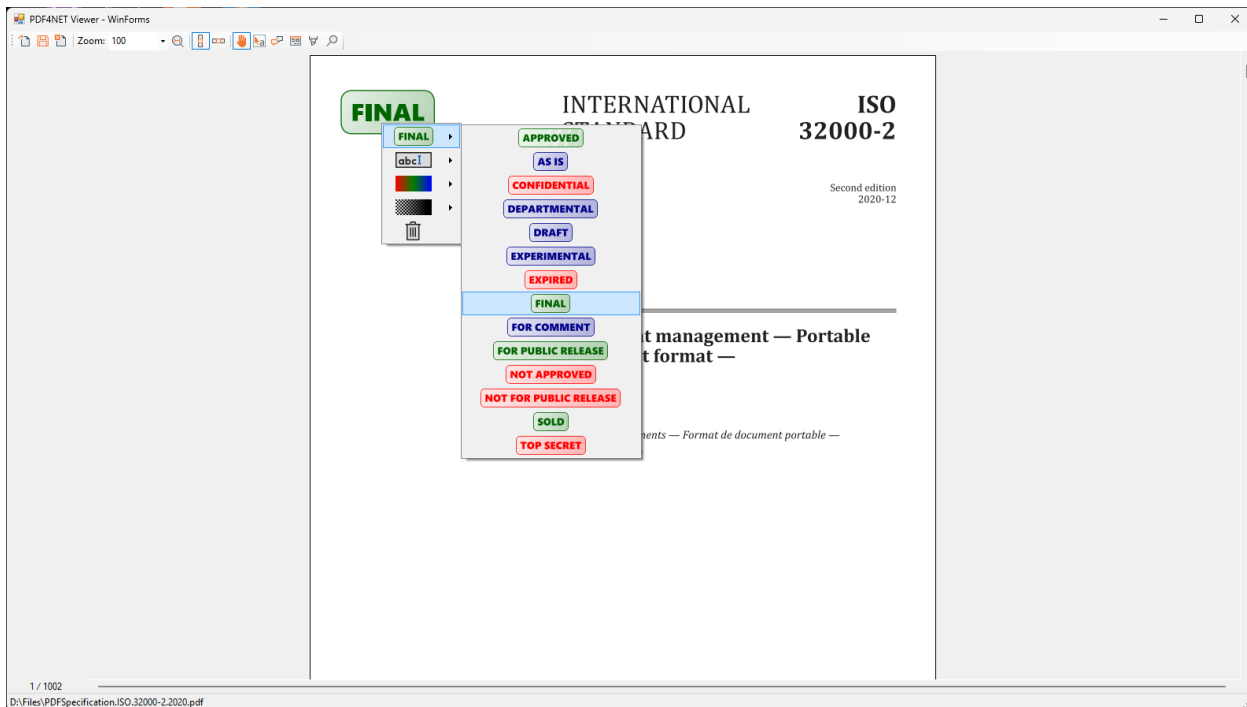


Free text

```
pdfDocumentView.UserInteractionMode =  
    PDFUserInteractionMode.AddFreeTextAnnotation;
```

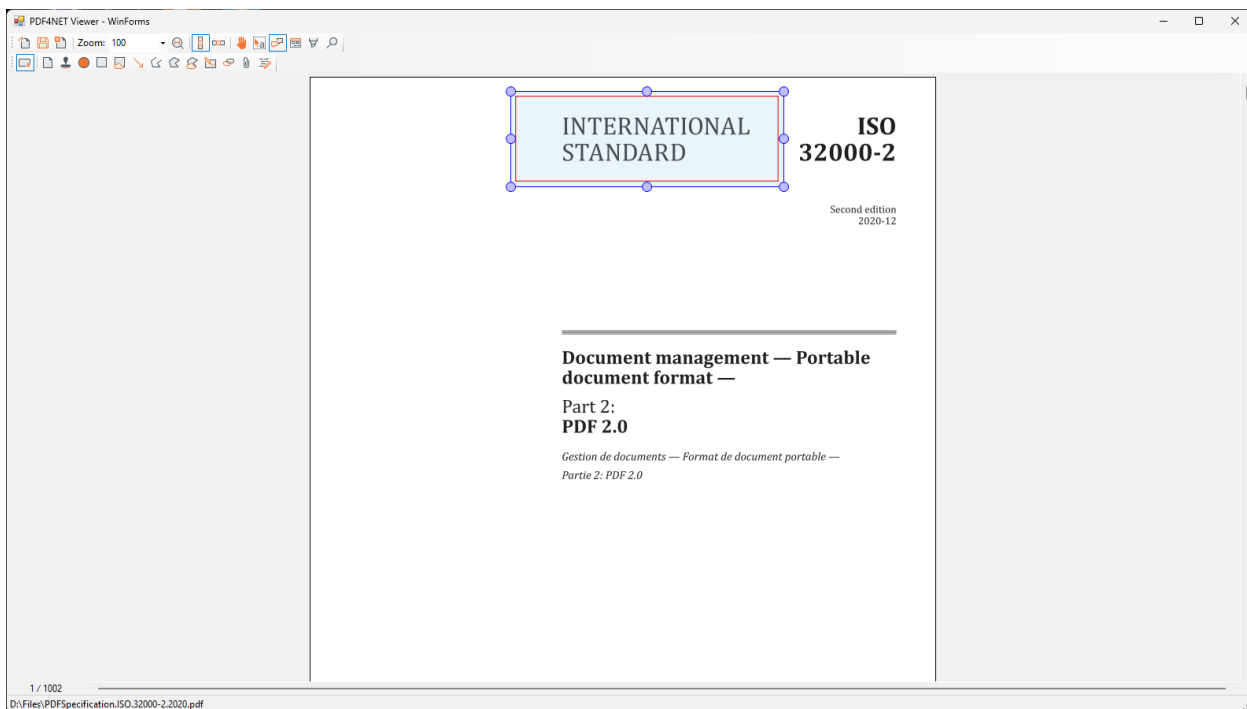


- Edit and remove annotations (default annotation context menu)

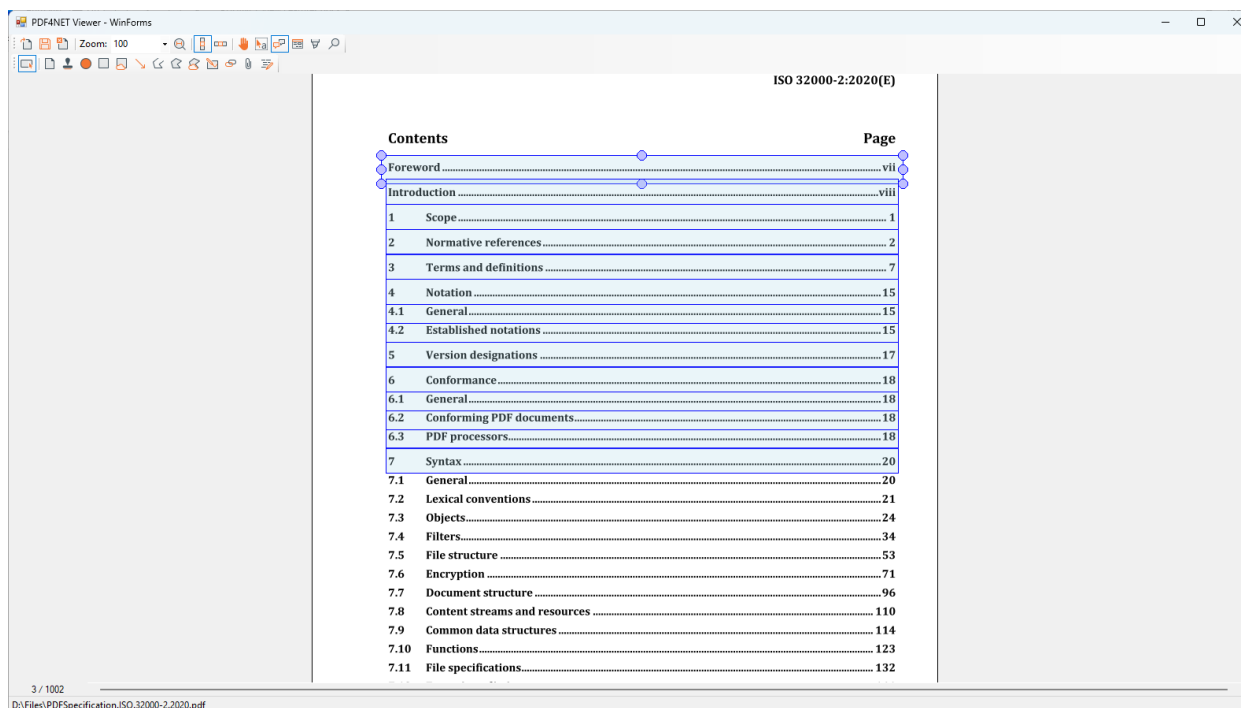


- Move and resize annotations

`pdfDocumentView.UserInteractionMode = PDFUserInteractionMode.EditAnnotations;`



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



## Form fields

- Fill PDF forms

PDF4NET Viewer - WinForms

Zoom: 100

First name:

Last name:

Sex: ☒ Male ☐ Female

First car:

Second car:

I agree: ☒

Sign here:

Submit form

Reset form

Print form

1 / 1

D:\Files\Form.pdf

- 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;
```

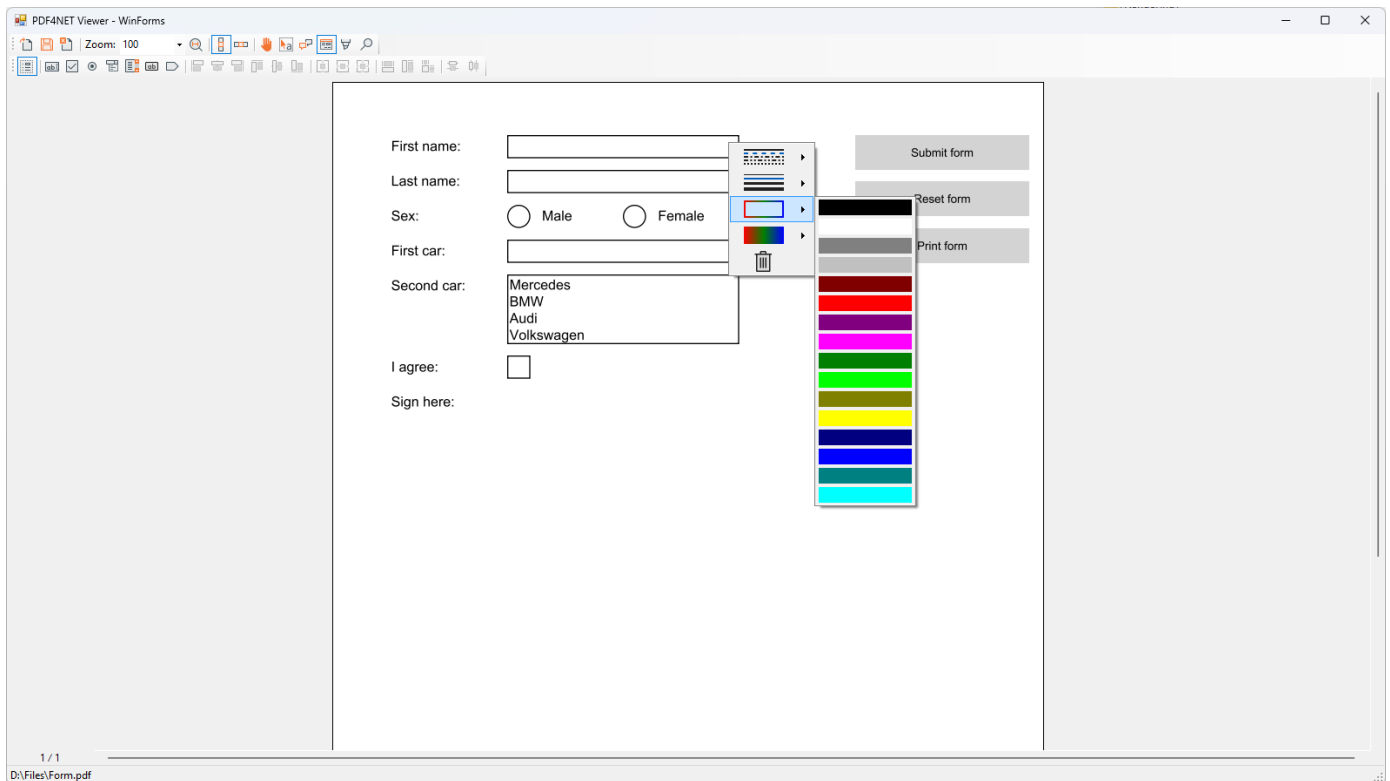


Signature

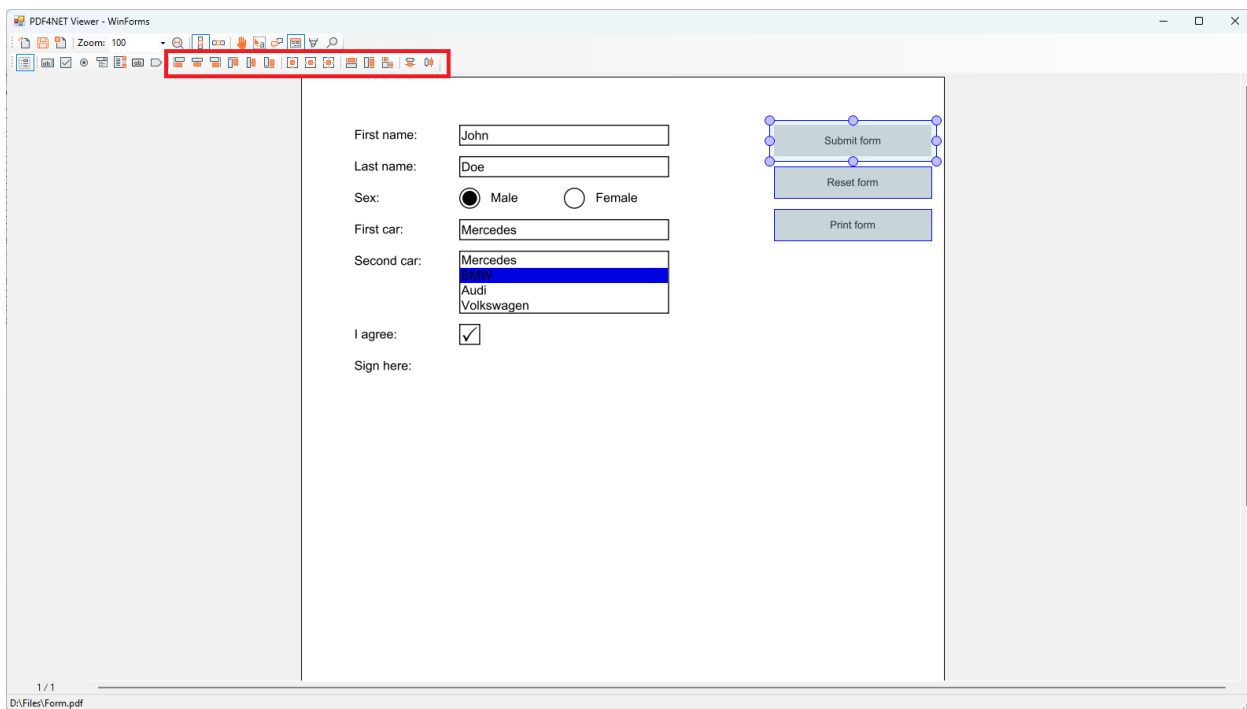
```
pdfDocumentView.UserInteractionMode =  
    PDFUserInteractionMode.AddSignatureField;
```



- 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()`;



**Attributions:**

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

