O2S.Components.PDF4NET.View - PDFDocumentView

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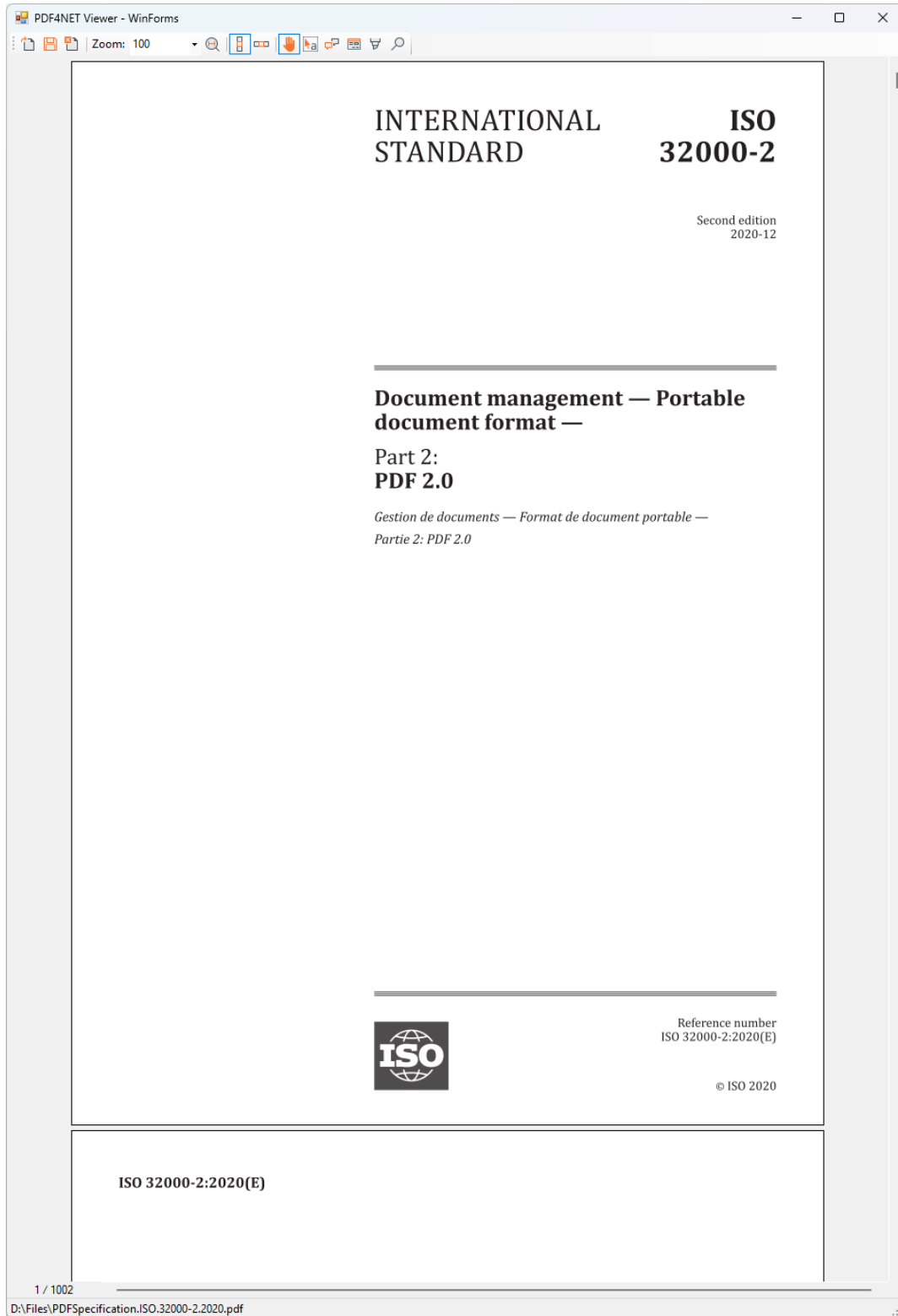
Main features:

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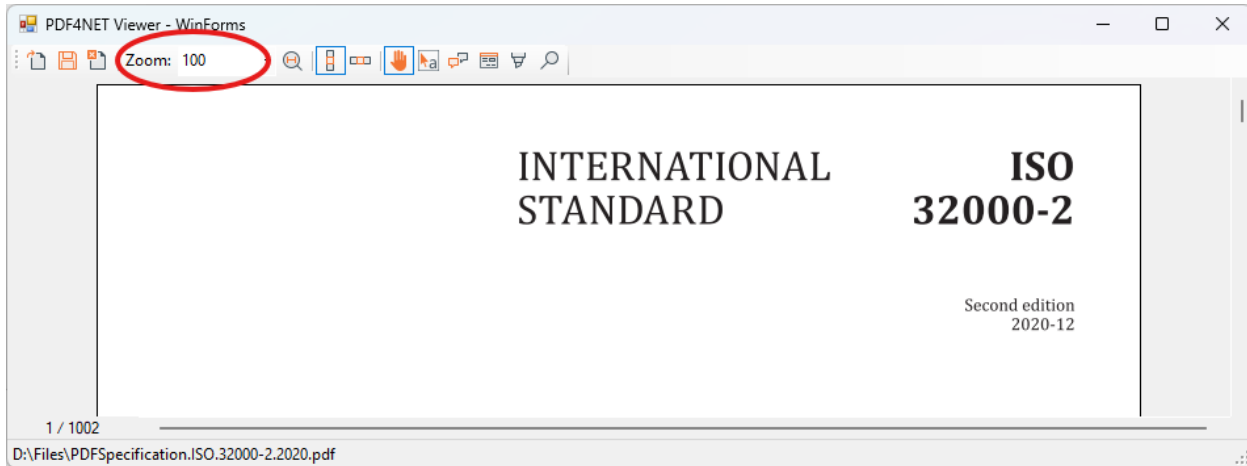- Text highlight
- Annotations
- Form fields

Display PDF files in Windows Forms and WPF applications

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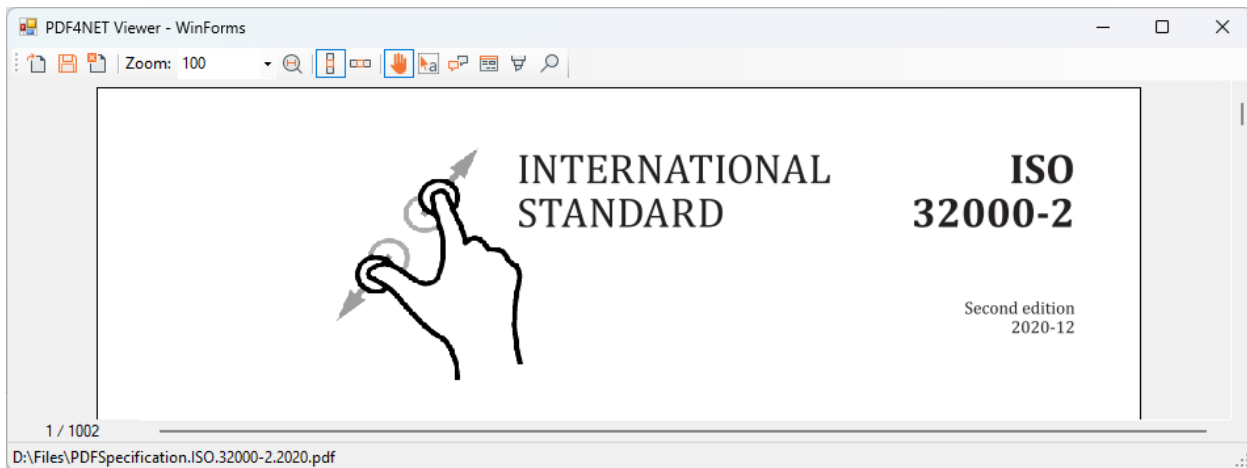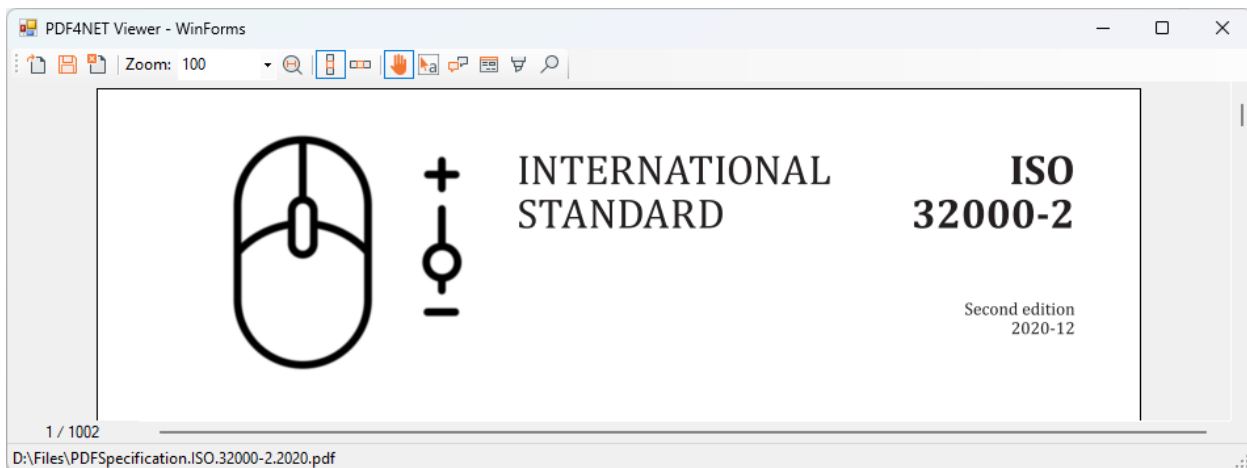

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Document zoom

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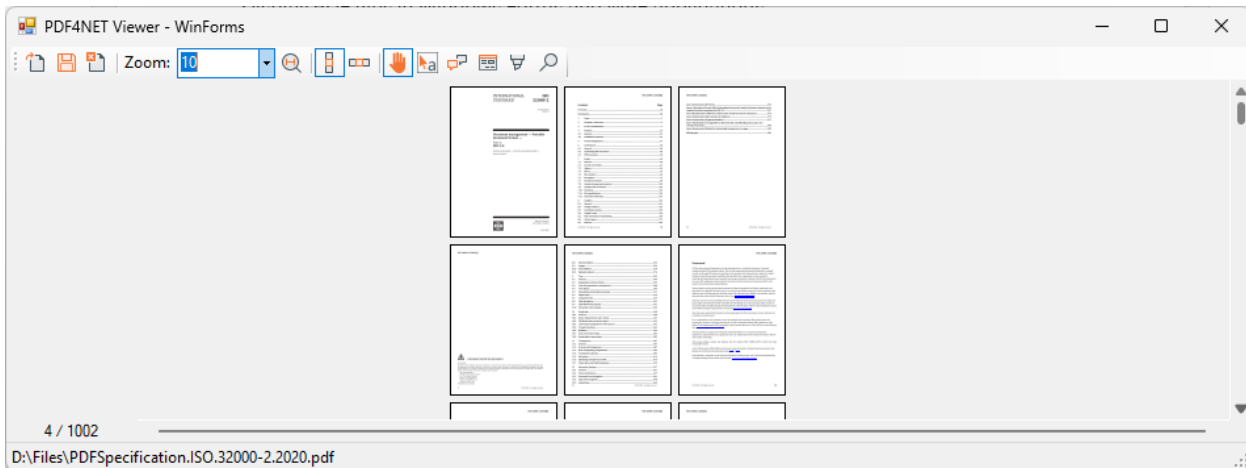

- Pinch-to-Zoom

- CTRL + Mouse wheel zoom
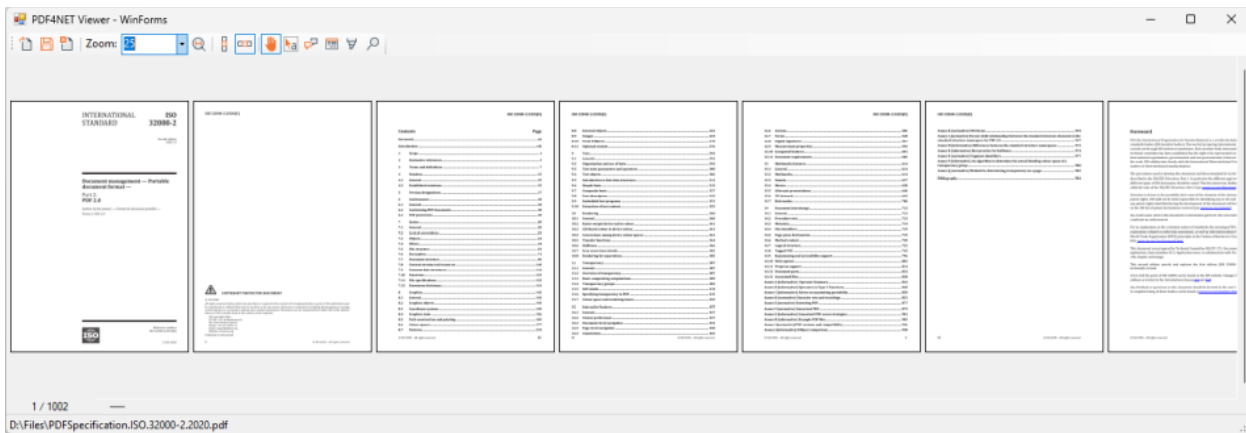
Flexible page layouts

- Column based

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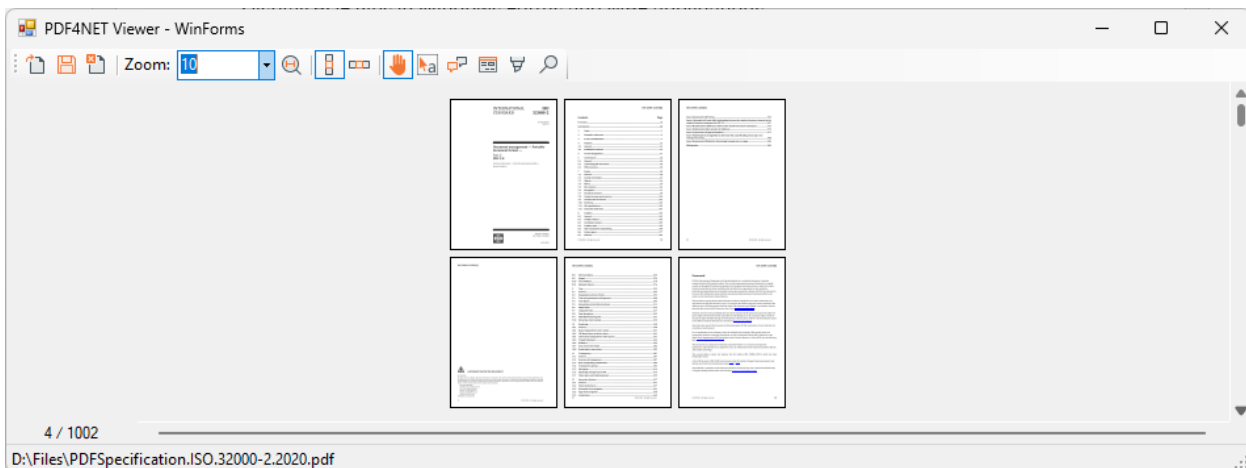

- Row based

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


- Fixed grid

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


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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
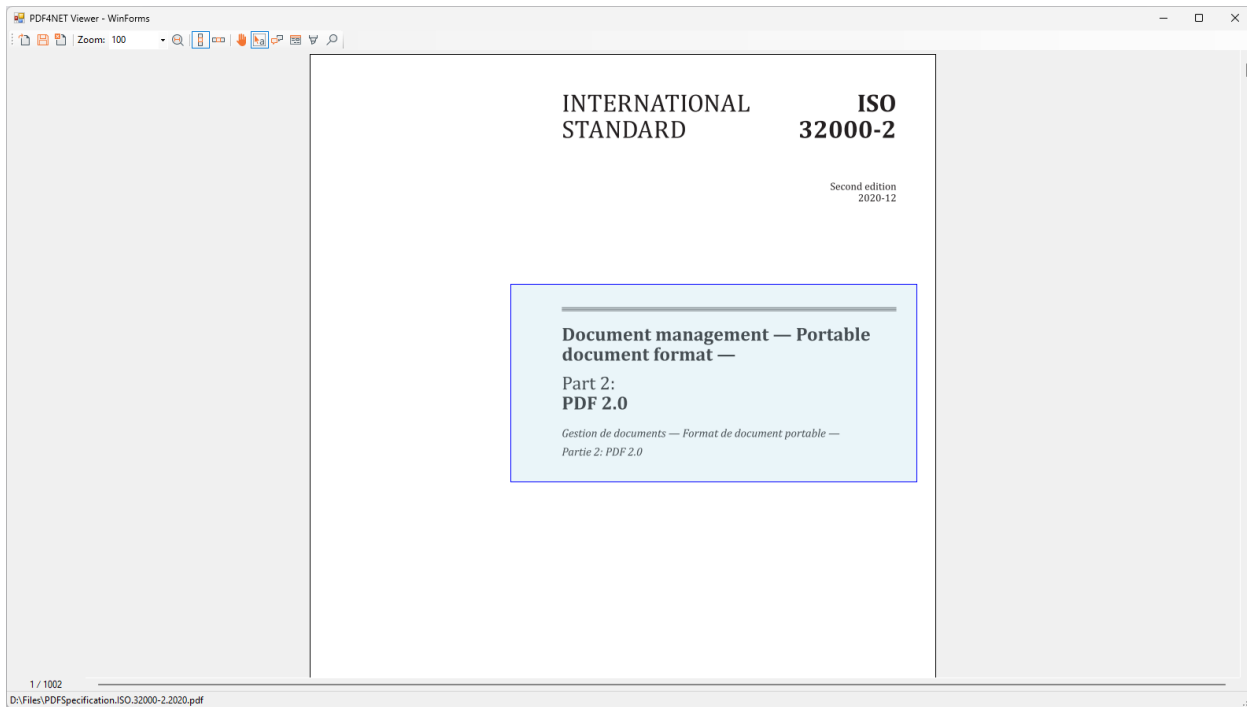

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Content selection

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

- Select text

- Select rectangular area on the page

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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:

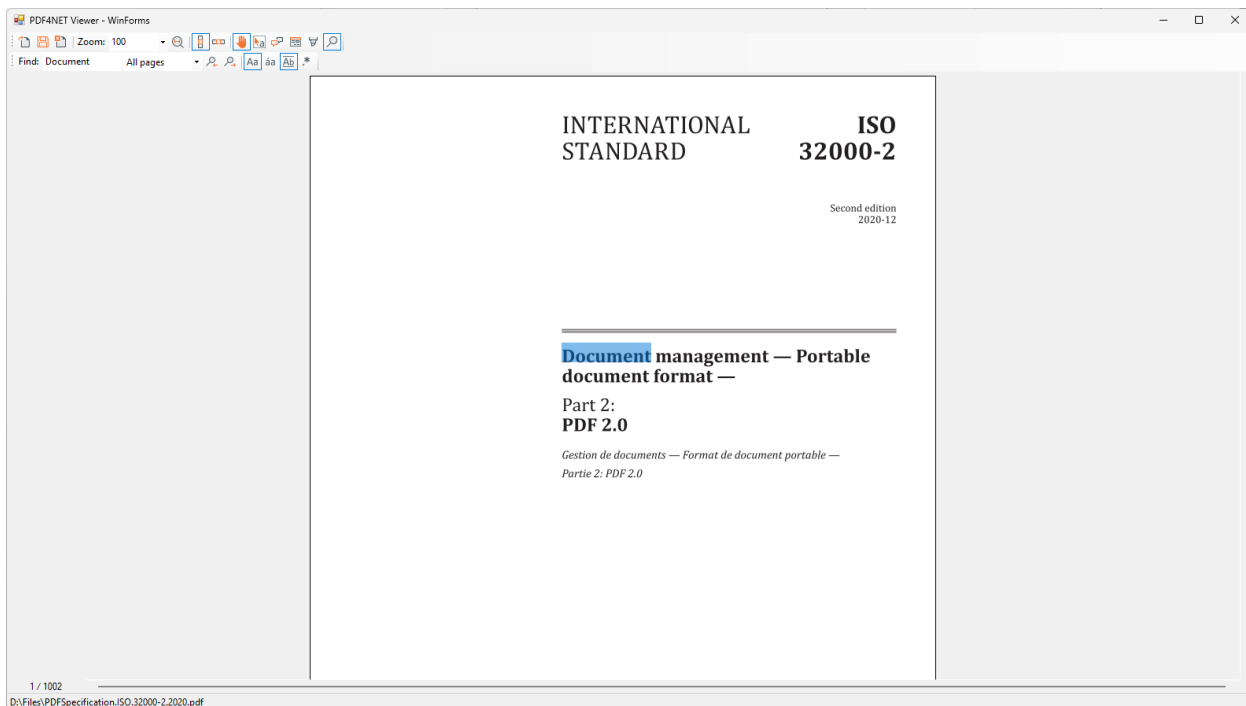|		
Aa	Match case	`PDFVisualTextSearchOptions.CaseSensitiveSearch`
áa	Match accent	`PDFVisualTextSearchOptions.AccentSensitiveSearch`
A̅b̅	Match whole word	`PDFVisualTextSearchOptions.WholeWordSearch`
✱	Regular expression	`PDFVisualTextSearchOptions.RegExSearch`

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Text highlight

- Highlight

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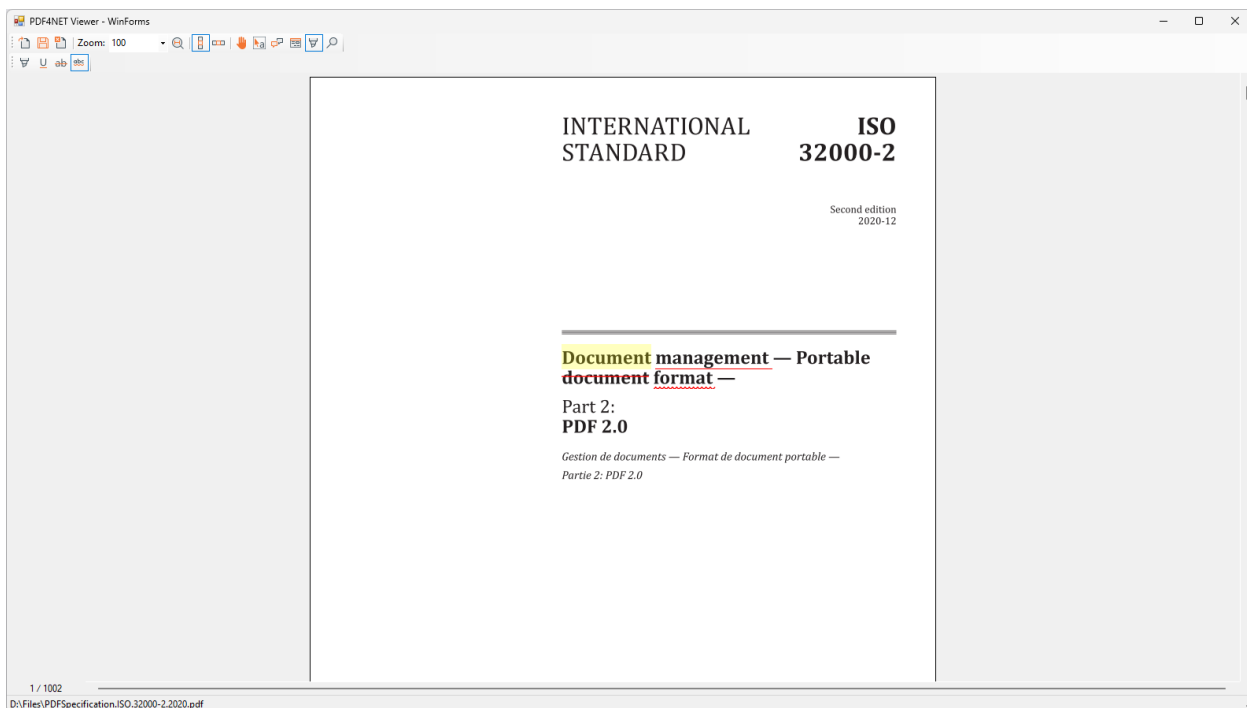
- Underline

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

- Strikeout

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

- Squiggly

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


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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;
  ```
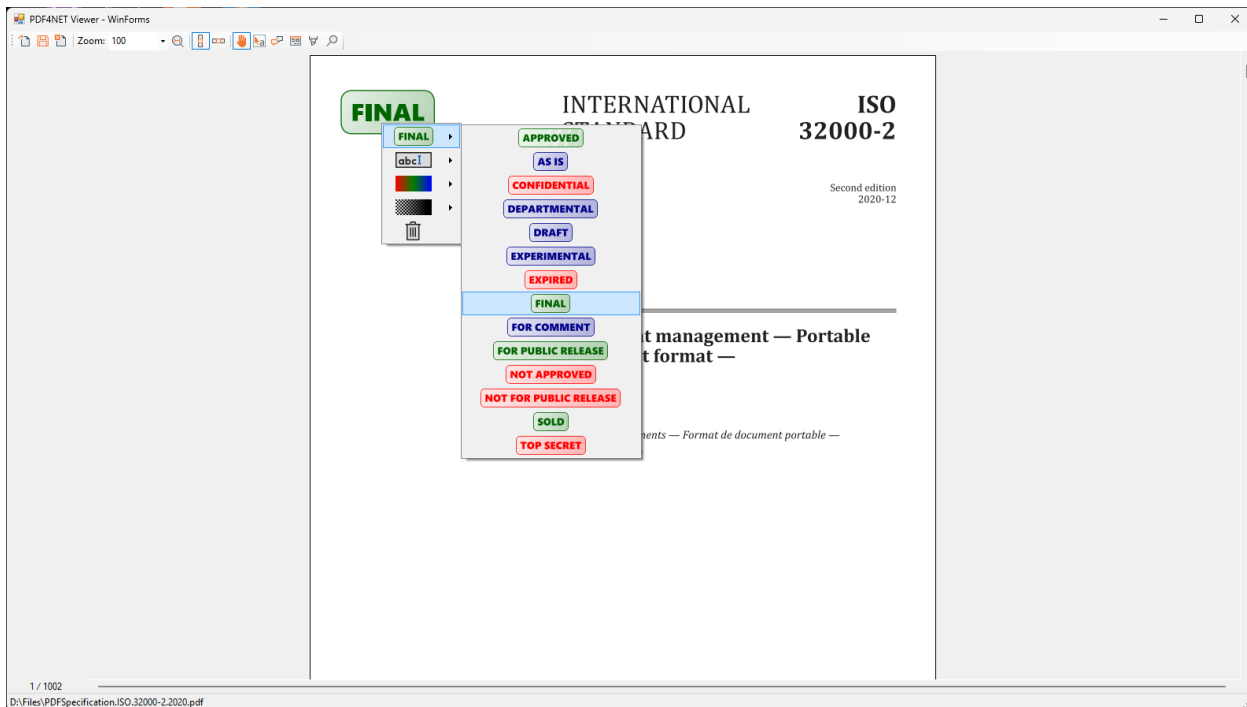
  Free text
  ```
  pdfDocumentView.UserInteractionMode =
      PDFUserInteractionMode.AddFreeTextAnnotation;
  ```
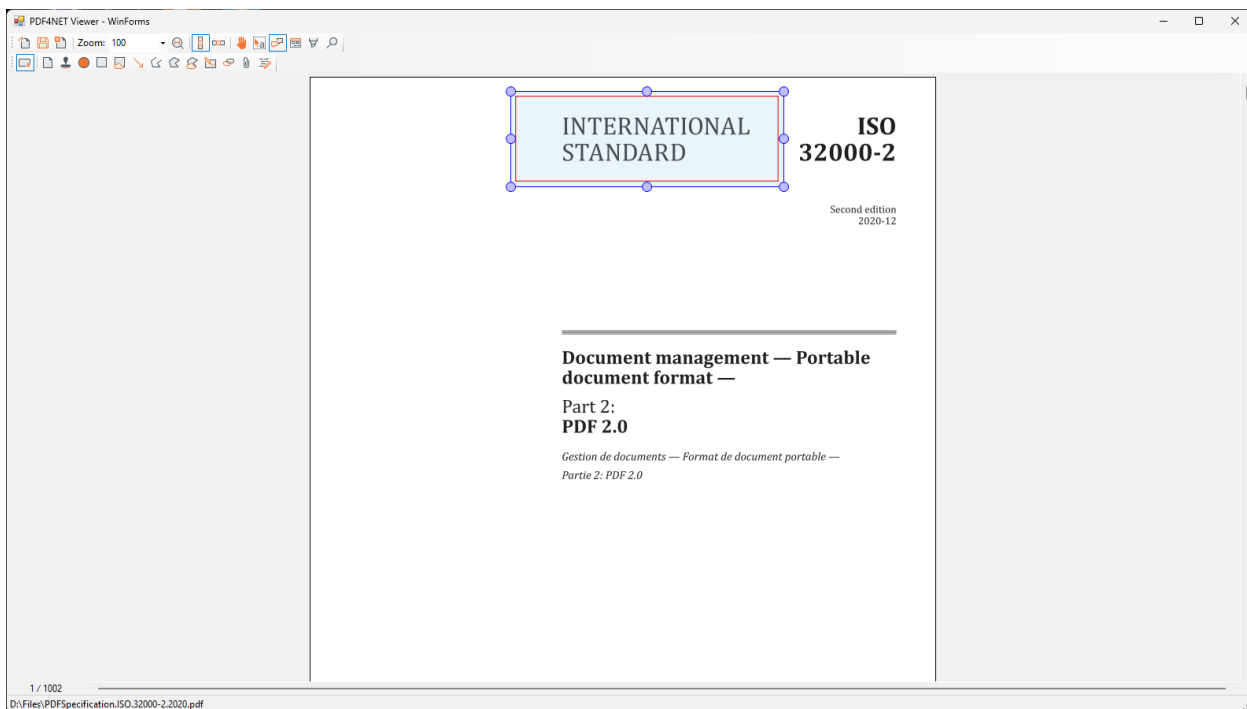
- Edit and remove annotations (default annotation context menu)
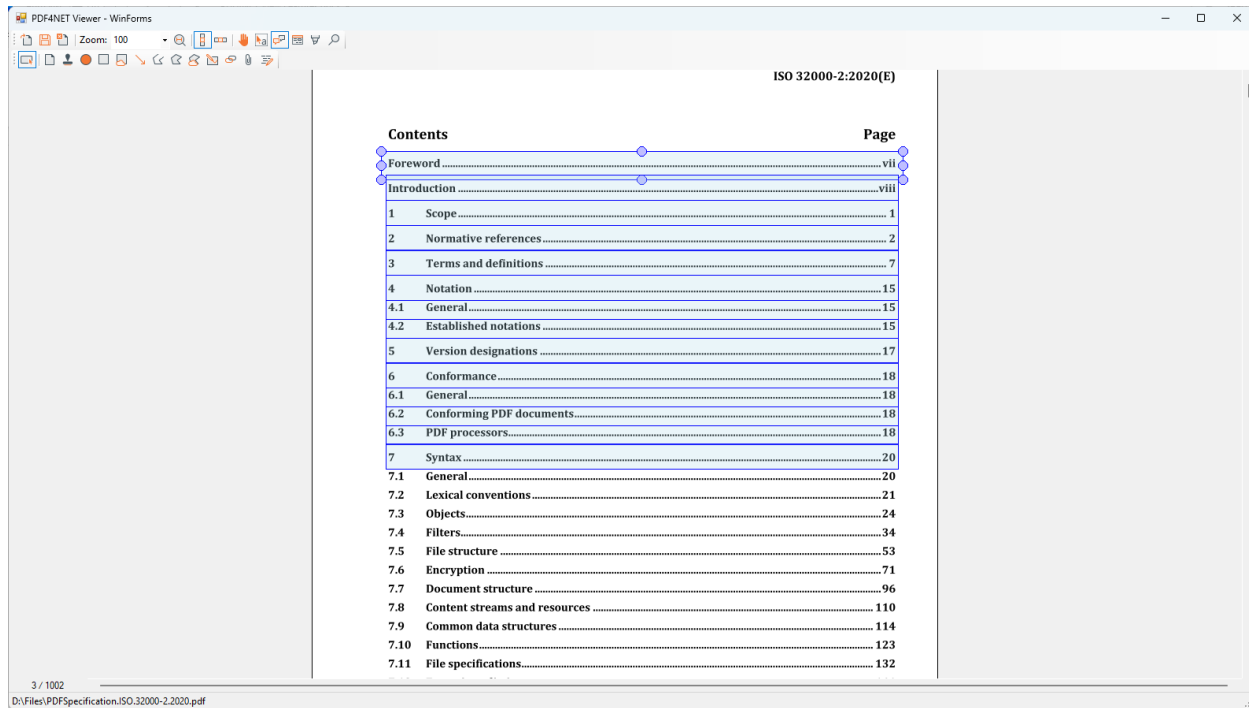

- Move and resize annotations

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


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

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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;
```
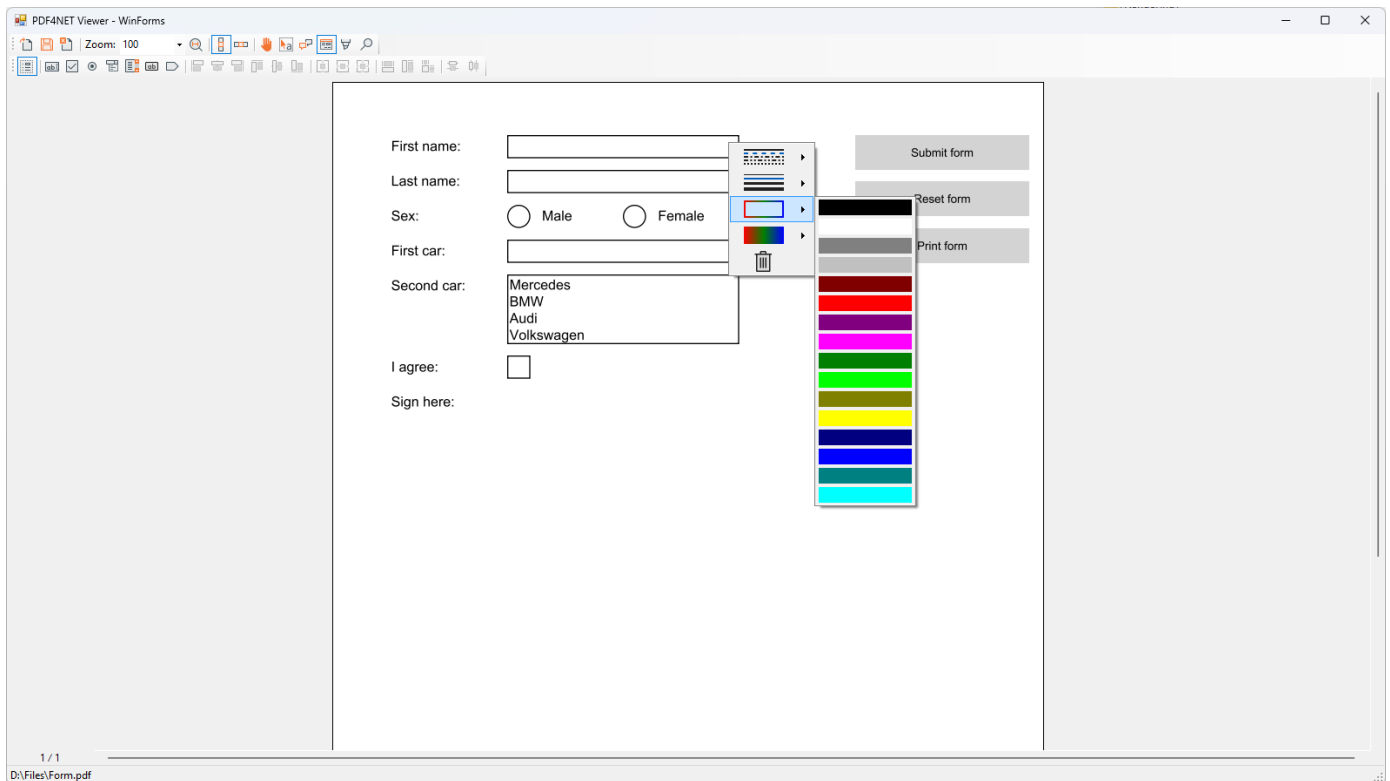
Signature
```
pdfDocumentView.UserInteractionMode =
    PDFUserInteractionMode.AddSignatureField;
```
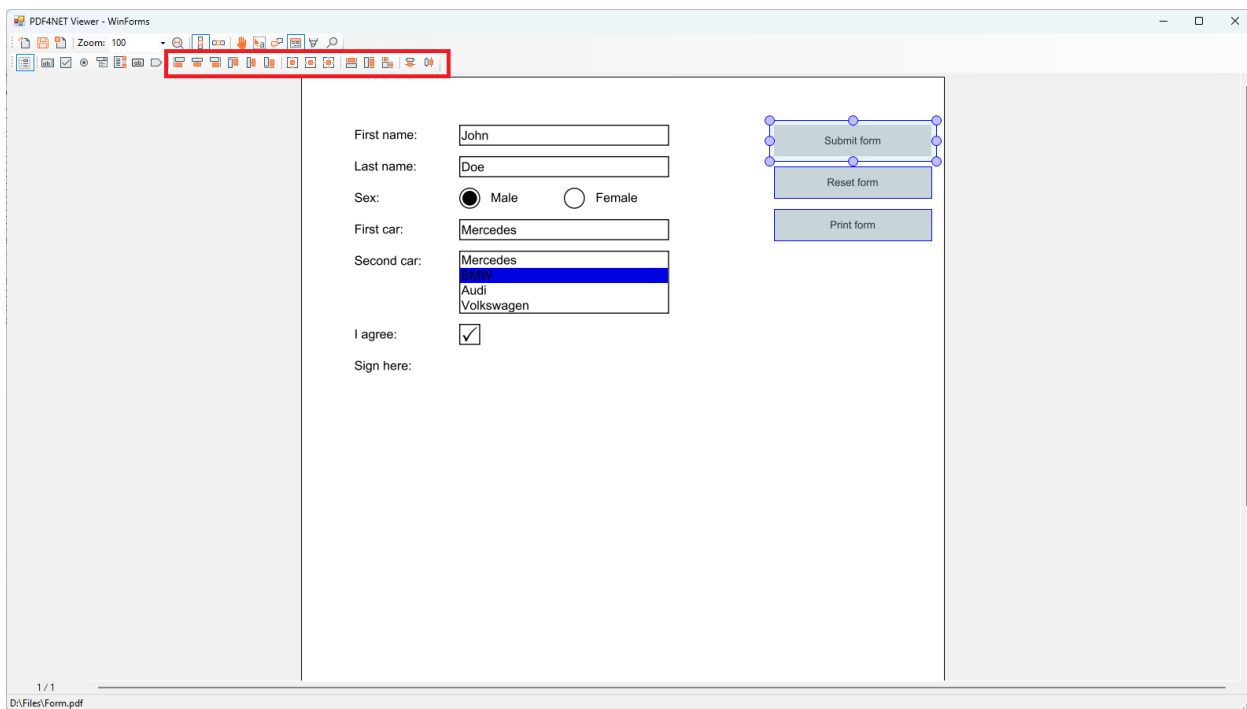
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- Edit and remove form fields (default field context menu)

- Extended form design operations

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


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- 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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Mouse wheel zoom illustration: Scroll icons created by Khoirul Huda - Flaticon

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