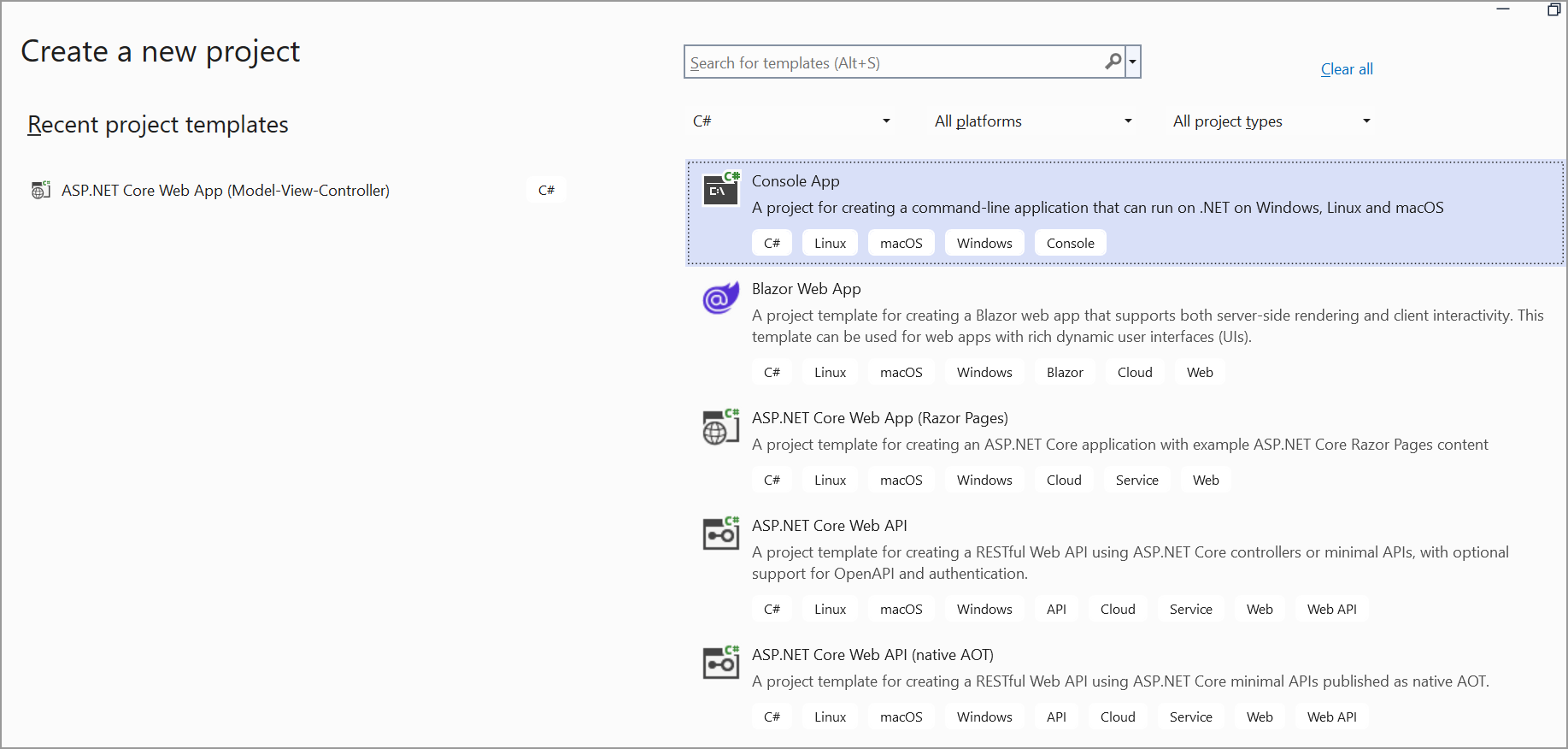
**How to add unicode text in the PDF text box fields using .NET**

The Syncfusion Essential® PDF is a [**.NET PDF library**](https://www.syncfusion.com/document-processing/pdf-framework/net) used to create, read, and edit PDF documents. Using this library, you can draw Unicode text in text box fields in a PDF document using C#.

**Steps to add Unicode text in the PDF text box fields programmatically:**

1. Create a new console application project.
2. Install the **[Syncfusion.Pdf.Net.Core](https://www.nuget.org/packages/Syncfusion.Pdf.Net.Core" \t "_blank)** NuGet package as a reference to your console application from [**Nuget.org**](https://www.nuget.org/).

A screenshot of a computer

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1. Include the following namespaces in the Program.cs file.

**C#**

using **Syncfusion**.Pdf.Graphics;

using **Syncfusion**.Pdf.Parsing;

1. Use the following code sample in Program.cs to add Unicode text in the PDF text box fields.

**C#**

//Create a new PDF document.

**FileStream** docStream = **new** **FileStream**("../../../Input.pdf", **FileMode**.Open, **FileAccess**.Read);

**PdfLoadedDocument** loadedDocument = **new** **PdfLoadedDocument**(docStream);

//Get the loaded form.

**PdfLoadedForm** loadedForm = loadedDocument.Form;

//Create a Unicode font to render the Unicode text.

//Create a new PDF font instance.

**FileStream** fontStream = **new** **FileStream**("../../../arial.ttf", **FileMode**.Open, **FileAccess**.Read);

**PdfTrueTypeFont** unicodeFont = **new** **PdfTrueTypeFont**(fontStream, 10);

//Get text box and fill value.

**for** (int i = 0; i < loadedForm.Fields.Count; i++)

{

// Retrieve the TextBox field from the loaded form.

**PdfLoadedTextBoxField** field = loadedForm.Fields[i] **as** **PdfLoadedTextBoxField**;

// Check if the field is indeed a TextBox field.

**if** (field is **PdfLoadedTextBoxField**)

{

// Set the text of the TextBox field.

field.Text = "ä, ü, ï, ö, ë, ÿ";

//Create a new PDF font instance.

field.Font = unicodeFont;

}

}

// Disable the default appearance for the loaded document's form fields.

loadedDocument.Form.**SetDefaultAppearance**(false);

// Save the modified document to a memory stream.

**MemoryStream** ms = **new** **MemoryStream**();

loadedDocument.**Save**(ms);

// Write the contents of the memory stream to a PDF file.

**File**.**WriteAllBytes**("output.pdf", ms.**ToArray**());

// Close the document.

loadedDocument.**Close**(true);

A complete working sample can be downloaded from [**Draw\_unicode\_text.zip**](https://support.syncfusion.com/agent/)

By executing the program, you will get the PDF document as follows.A screenshot of a computer

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Take a moment to peruse the documentation for [**working with Text**](https://help.syncfusion.com/file-formats/pdf/working-with-text), where you can find the other options like drawing right-to-left text, multicolumn text, consuming TrueType fonts, Standards fonts, and CJK fonts.

Click [**here**](https://www.syncfusion.com/document-processing/pdf-framework/net)to explore the rich set of Syncfusion Essential® PDF features.