










C# Tips and Tricks


We are experts in optimizing and extending Episerver forms. Reach out and let's talk.

REACH OUT

Now, I didn't really want to implement a captcha, as I've never been a big fan - and I've seen a fair share of terrible captchas (like those with completely incomprehensible computer generated handwriting you have to type out) - so I was looking for alternatives, and it seems like honeypots is a good alternative.

The basic idea with a honeypot is to add honeypot form field to your form. A field that in html (to the bots) looks like a regular form field that should be filled out - but then is hidden to the real web visitors using CSS or javascript. Then - it's just a matter of checking when a form is submitted if the field is filled out - and if it is, you caught the spam and can delete it. If it's not filled out, you can assume it is very likely legit (or really clever spam).

	Name
	Company
	Email
	Phone
	Message
	HoneyPotEletmentBlock
	GDPR Text
<input checked="" type="checkbox"/>	Consent
<input checked="" type="checkbox"/>	Send



You can drop form elements here or [create a new element](#).

It's implemented as a new ElementBlock for Episerver Forms that you simply drag onto your form. Along with it is an actor that will disregard the submission if the field is filled out. It's pretty rough around the edges right now, but seems to work well on this site. Improvement suggestions are appreciated!

```

1 using EPIServer.Forms.Core.PostSubmissionActor;
2 using EPIServer.Forms.Core.PostSubmissionActor.Internal;
3 using EPIServer.Forms.Helpers.Internal;
4 using System;
5 using System.Collections.Generic;
6 using System.Linq;
7 using System.Web;
8
9 namespace Demo.Web.Business.Forms
10 {
11     public class HoneyPotActor : PostSubmissionActorBase, ISyncOrderedSubmissionActor
12     {
13         public int Order => 1;
14
15         public override object Run(object input)
16         {
17             var formContainerBlock = this.FormIdentity.GetFormBlock();
18             var allFormElements = formContainerBlock.Form.Steps.SelectMany(st => st.Elements).Where(elem => elem.SourceContent is HoneyPotElementBlock).ToList();
19             if (allFormElements.Any())
20             {
21                 foreach (var fe in allFormElements)
22                 {
23                     if (!string.IsNullOrEmpty(this.SubmissionData.Data[fe.ElementName]?.ToString()))
24                     {
25                         var result = new SubmissionActorResult();
26                         result.CancelSubmit = true;
27                         result.ErrorMessage = "Spam bot detected!";
28                         return result;
29                     }
30                     else

```

```
31      {
32          //Remove data for HoneyPotElement from final data.
33          this.SubmissionData.Data.Remove(fe.ElementName);
34      }
35  }
36  }
37
38      return "";
39  }
40  }
41  }
```

HoneyPotActor.cs hosted with ❤️ by GitHub

```
1  using EPIServer.Data.Annotations;
2  using EPIServer.Forms.Core;
3  using System;
4  using System.Collections.Generic;
5  using System.Linq;
6  using System.Web;
7
8  namespace Demo.Web.Business.Forms
9  {
10     [ContentType(DisplayName = "HoneyPot Spam Avoidance", GUID = "B8248208-75D5-451A-8F5C-82898697B010", Description = "")]
11     public class HoneyPotElementBlock : ElementBlockBase
12     {
13     }
14 }
15 }
```

HoneyPotElementBlock.cs hosted with ❤️ by GitHub



```
1  @model Demo.Web.Business.Forms.HoneyPotElementBlock
2  <style>
3      .ohnohoney {
4          opacity: 0;
5          position: absolute;
6          top: 0;
7          left: 0;
8          height: 0;
9          width: 0;
10         z-index: -1;
11         tabindex: -1;
12     }
13 </style>
14 <label class="ohnohoney" for="@Model.FormElement.Guid"></label>
15 <input type="text" name="@Model.FormElement.ElementName" autocomplete="off" placeholder="Your name" id="@Model.FormElement.Guid" class="ohnohoney">
```

HoneyPotElementBlock.cshtml hosted with ❤️ by GitHub

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