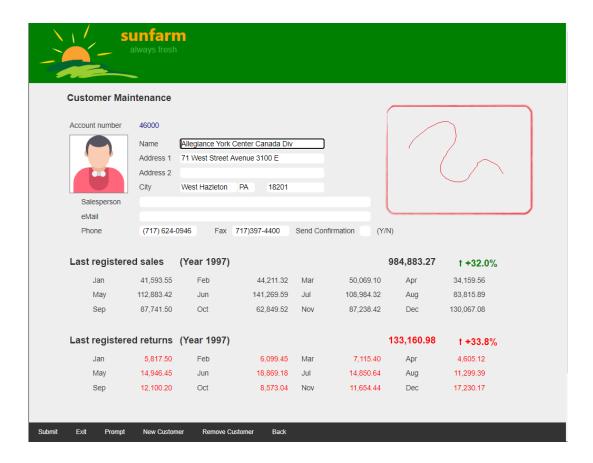
## Adding a 3rd Party Chart to a Page

You may have noticed that when reorganizing the data on the Page on the previous Part 2, we left a distinctive area on the upper-right hand corder of the page:



We want to display two pieces of data:

- 1. The Customer Status ("Active", "Closed", "Over limit", "Refer" and "Suspended") at the top of that box, and
- 2. A Sales Chart that makes it easier to understand the Sales performance trend.

## Green-screen cryptic codes may now be displayed descriptively

The original green-screen page would show:

Status: A (F4)

"A" code is too cryptic, only experienced operators would remember that it means "Active". Without hanging the data in the database, we can improve the presentation of that information: we have plenty of space now!

While changing the presentation of the "status" we do not want to loose the prompting ability for that field. To avoid affecting too much the Business Logic, let's work on a presentation trick.

First, put back the CUSTREC.SFSTATUS field back on the Page. For convenience, show it at column position "1".

## Markup for Row "2":

Run the Website Application (no need to recompile business logic):

You can still get to the Status code:



And prompt to change its value:



Now let's add a standard HTML <span> element to display the Status description on a proper place:

You may recognize that CSS Style box-highlight-center-field, has not been defined, and you are right, here it is (you can add it to site.css file):

```
.box-highlight-center-field {
    background-color: black;
    color: white;
    text-align: center;
}
```

Nothing fancy, a white on black box with the text centered.

## What is @Model.CUSTREC.SF STATUS NAME?

We have been using For="" to reference fields in attributes for Expo tag-helpers, but when we use standard HTML elements, where we want to refer to the content of an HTML element we need to let Razor out intent. Using @ symbol will let use switch to C# code, were we can refer by contents on symbols defined on the Model. @Model.CUSTREC will get us to the instance of the CUSTREC DdsRecord, but field SF STATUS NAME does not exist.

We can fix that, by defining it this way:

...\CustomerAppSite\Areas\CustomerAppViews\Pages\CUSTDSPF.cshtml.cs:

```
[Char(1)]
public string SFSTATUS { get; set; }
public string SF_STATUS_NAME { get { return statusCodeToName(); } }
private string statusCodeToName()
    switch (SFSTATUS)
        case "A":
            return "Active";
        case "C":
           return "Closed";
        case "0":
            return "Over Limit";
        case "R":
           return "Refer";
       case "S":
           return "Suspended";
   return "(Undefined Status)";
}
```

Notice how we don't qualify the new properties with [Char(nn)] because we are referring to C# standard string properties — additionally we don't want to add it to the Workstation DataSet— This is just presentation logic.

Run the Website Application (and make sure the CSS cache is refreshed), and you should see the following output.<sup>1</sup>



<sup>&</sup>lt;sup>1</sup> Commit: "Descriptive Customer Status field".

We can trick the user by overlapping the original Status code field on top of the descriptive new presentation field, and make it invisible.

Let's declare a new CSS Style:

```
$\SunFarm\CustomerAppSite\wwwroot\css\site.css
.present-no-visible-field {
    opacity:0.1;
}
```

And change our Row="2" such that both the original Status code and the new Status Descriptions are written to the page, but where the Status code is not visible:

...\CustomerAppSite\Areas\CustomerAppViews\Pages\CUSTDSPF.cshtml

Note that order is important. When overlapping elements and one is input capable, the later must be on top of the former. Browser renders elemements in the order in which they are described by HTML, in this case we want "CUSTREC.SFSTATUS" render on top of @Model.CUSTREC.SF STATUS NAME

Run the Website Application and you can verify that the Status Description may still be "clickable" and prompting to change its value still works.

2

<sup>&</sup>lt;sup>2</sup> Commit "Chart heading showing the Status Description Centered".