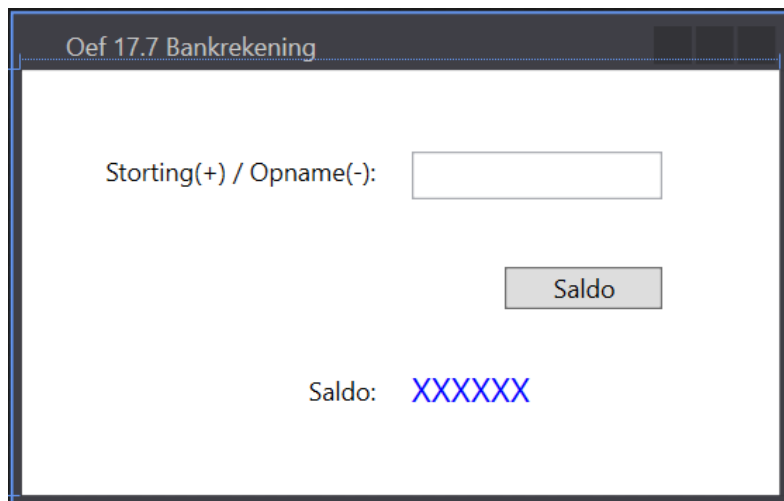


Oefening 17.7

```
<Window x:Class="Oef17_7_Bankrekening.MainWindow"
        xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
        xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
        Title="Oef 17.7 Bankrekening" Height="234" Width="370">
    <Grid>
        <TextBlock HorizontalAlignment="Left" Margin="40,40,0,0"
            Text="Storting(+) / Opname(-):" VerticalAlignment="Top"/>
        <TextBox HorizontalAlignment="Left" Height="23" Margin="186,39,0,0"
            Name="bedragTextBox" VerticalAlignment="Top" Width="120"/>
        <Button Content="Saldo" HorizontalAlignment="Left" Margin="231,94,0,0"
            VerticalAlignment="Top" Width="75"
            Click="saldoButton_Click" Name="saldoButton"/>
        <TextBlock HorizontalAlignment="Left" Margin="137,145,0,0"
            Text="Saldo:" VerticalAlignment="Top"/>
        <TextBlock HorizontalAlignment="Left" Margin="186,141,0,0" FontSize="16"
            Text="XXXXXX" VerticalAlignment="Top" Foreground="Blue"
            Name="saldoTextBlock"/>
    </Grid>
</Window>
```



```
public class Bankrekening
{
    public int Saldo { get; set; }
    public string Nummer { get; set; }
    public string Naam { get; set; }

    public Bankrekening(string nummer, string naam)
    {
        Saldo = 0;
        Nummer = nummer;
        Naam = naam;
    }

    public void Storting(int waarde)
    {
        if (waarde > 2500)
        {
```

```

        throw new BankException("Storting kan maximaal 2500 bedragen.");
    }
    Saldo += waarde;
}

public void Opname(int waarde)
{
    if (Saldo - waarde < 0)
    {
        throw new BankException($"Saldo ontoereikend: {Saldo}");
    }
    Saldo -= waarde;
}
}

```

```

public class BankException : ApplicationException
{
    public BankException(string message):base(message)
    {
    }
}

```

```

public partial class MainWindow : Window
{
    private Bankrekening _rekening;

    public MainWindow()
    {
        InitializeComponent();

        Initialize();
    }

    private void Initialize()
    {
        _rekening = new Bankrekening("123-123456-12", "Gilles Hermans");
        bedragTextBox.Text = "0";
        saldoTextBlock.Text = Convert.ToString(_rekening.Saldo);
    }

    private void saldoButton_Click(object sender, RoutedEventArgs e)
    {
        try
        {
            int bedrag = int.Parse(bedragTextBox.Text);
            if (bedrag < 0)
            {
                _rekening.Opname(-bedrag);
            }
            else
            {
                _rekening.Storting(bedrag);
            }
            saldoTextBlock.Text = Convert.ToString(_rekening.Saldo);
        }
        catch (FormatException ex)
        {
        }
    }
}

```

```
        MessageBox.Show("Gelieve een geheel getal in het bedrag-veld in te vullen.");
    }
    catch (BankException ex)
    {
        MessageBox.Show(ex.Message);
    }
}
}
```