**Sessionsinhalt**

1. Task und async & await
2. Progress, Cancellation

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cts = new System.Threading.CancellationTokenSource();

Task<List<string>> speakerList = manager.LoadSpeakerTaskAsync(new Progress<int>(result => progressBar.Value = result), cts.Token);

---------------------------------------------------------------------------

private void ButtonCancel\_Click(object sender, RoutedEventArgs e)

{

if (this.cts != null && !this.cts.IsCancellationRequested)

this.cts.Cancel();

}

---------------------------------------------------------------------------

System.Threading.CancellationTokenSource cts = null;

---------------------------------------------------------------------------

public async Task<List<string>> LoadSpeakerTaskAsync(IProgress<int> Progress = null,

CancellationToken token = default(CancellationToken))

{

//Task.Run ist wie Task.Factory.StartNew nur neu zu Mainframe 4.5 dazu

gekommen ist

var task = Task.Run(() =>

{

var list = new List<string>();

for (int i = 0; i < 10; i++)

{

Thread.Sleep(500);

if (Progress != null)

Progress.Report(i\*10);

if(token != default(CancellationToken))

{

if (token.IsCancellationRequested)

return list;//Or Exception werfen mit

token.ThrowIfCancellationRequested();

}

list.Add("Oli der " + (i + 1));

}

return list;

}

);

List<string> result = await task;

result.Add("Matze");

return result;

}

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