Azure Storage Server Explorer

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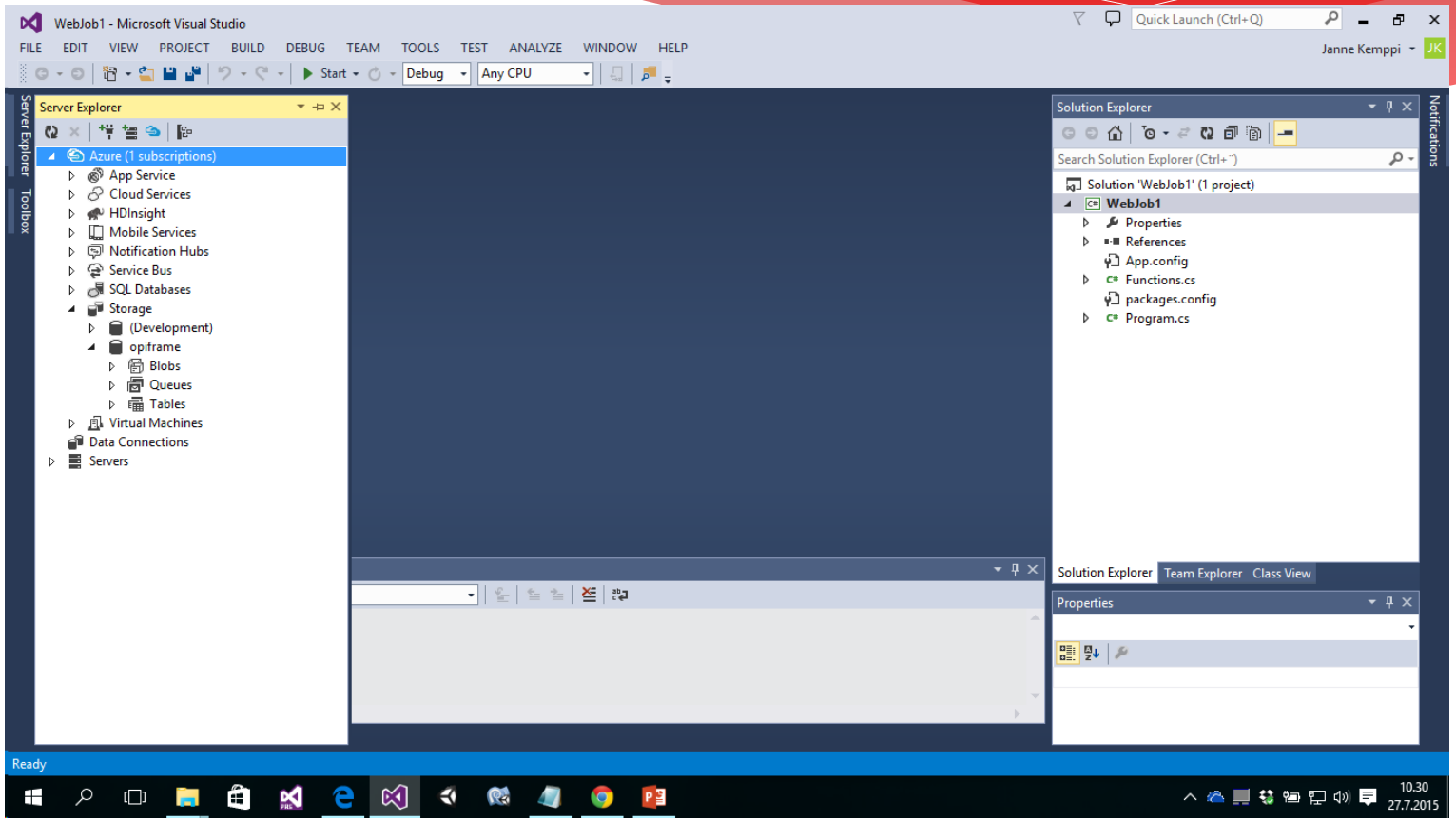
Server Explorer

* **Azure SDK uses Server Explorer of Visual Studio to control Azure assets.**
* Ohjattu Harjoitus: Taking Storage Account to use in Visual Studio.
  * 1) Start Server Explorer and open Azure Node
  * 2) Select Storage Node and open Storage Account you want to use.

Server Explorer



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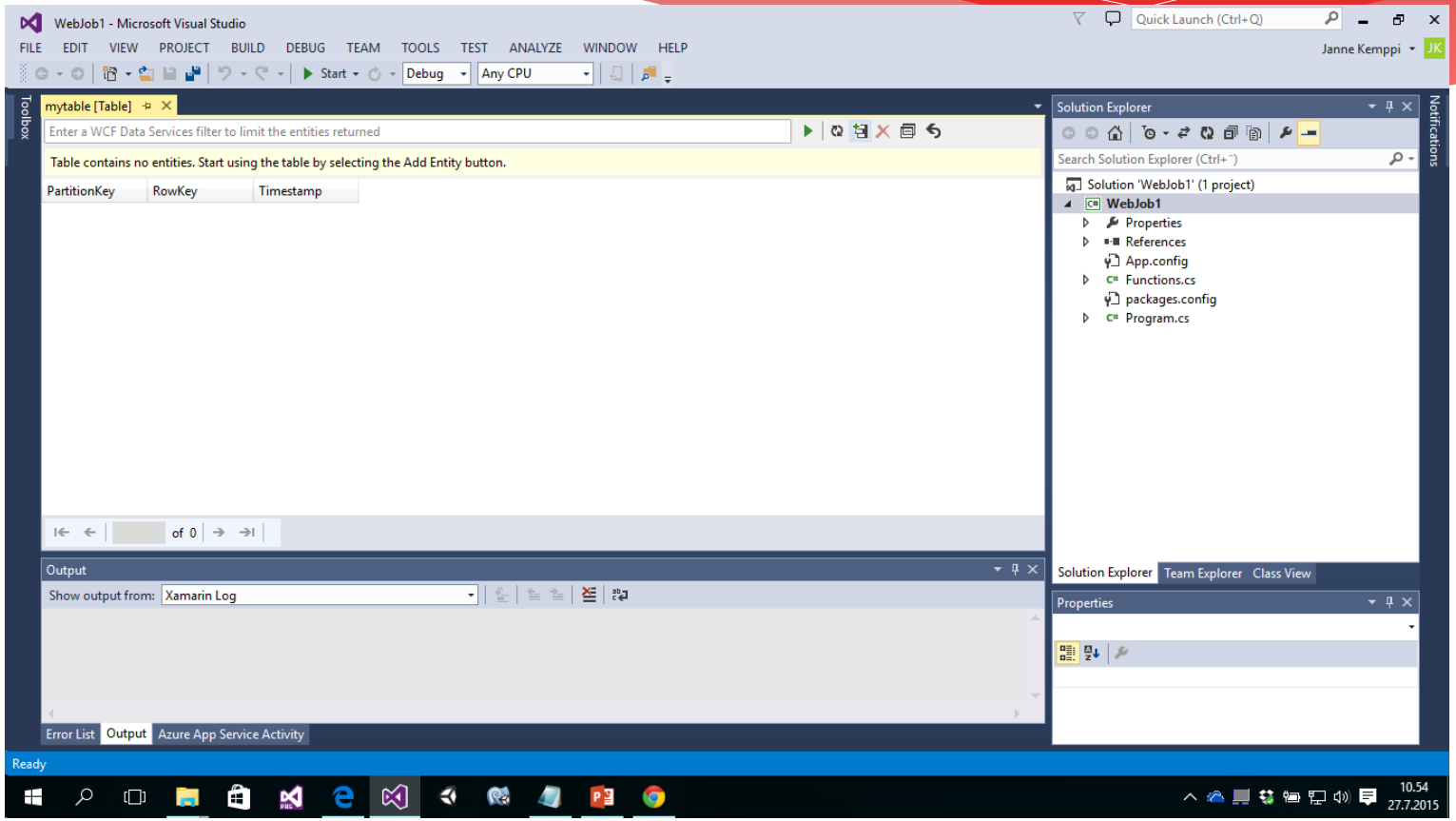
Server Explorer

* **Typically there is a need to create temporary storage accounts during software projects**
* Visual Studio can be used to create Storage Accounts
  * 1) In ”Storage” select ”Create Storage Account…”
    * Naming limitations exist → use lower case
  * 2) Use Azure Portal to check out new Storage Account
  * 3) Open both Blobs and Tables to find performance and diagnostics information in $logs and Metrics Tables

Tables

* **Azure Storage Tables are most common entity used with Azure Storage.**
* Create a new table in Visual Studio as following:
  * 1) Go to Tables of your Storage Account and select ”Create Table…”
  * 2) Once Table has been ceated select it and choose ”View Table”
  * 3) Select Add Entity button and give values to PartitionKey and RowKey and then add a new Property with a value.
  * 4) Find out how you can refresh the table (f5)

Tables



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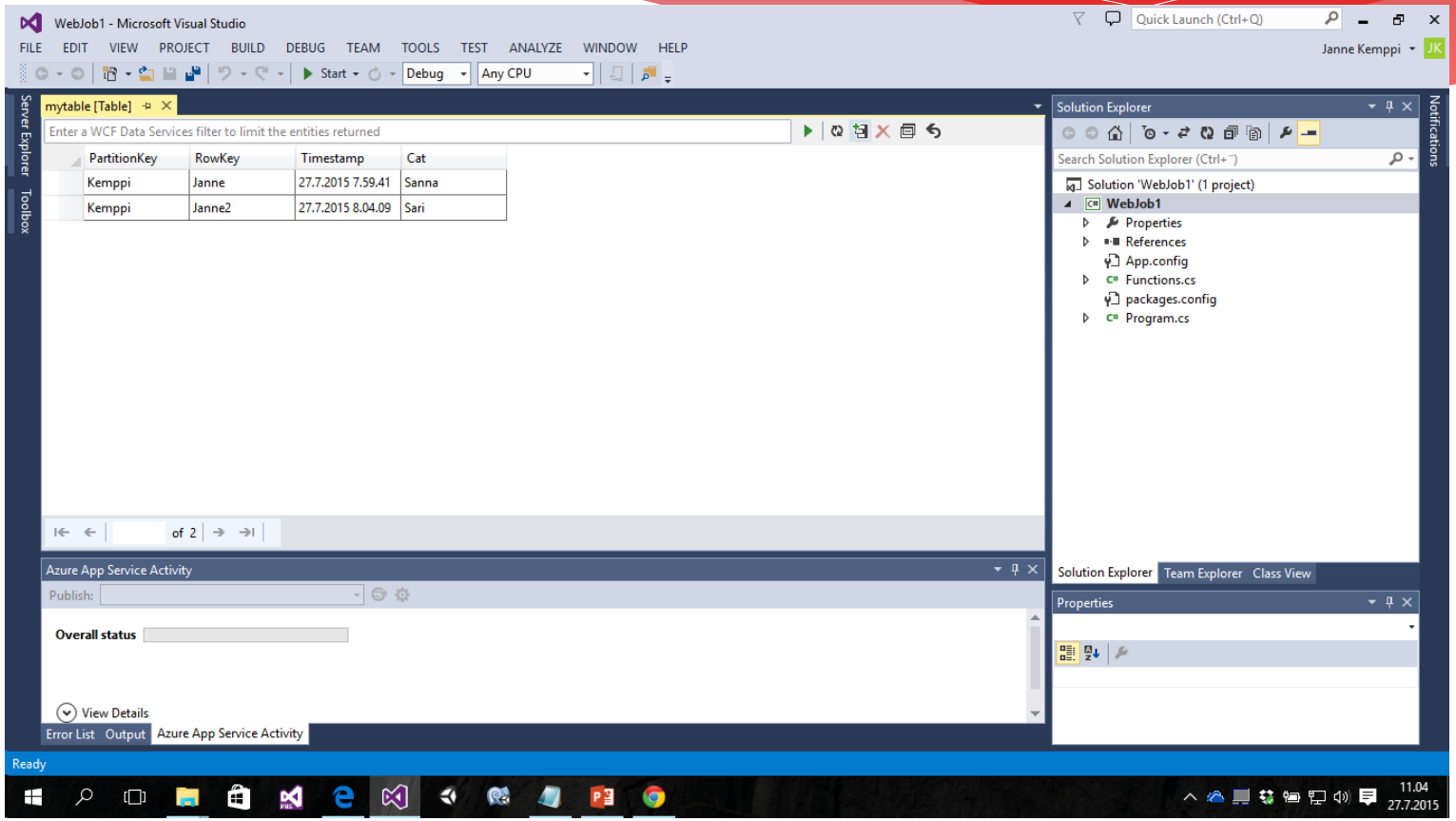
Tables



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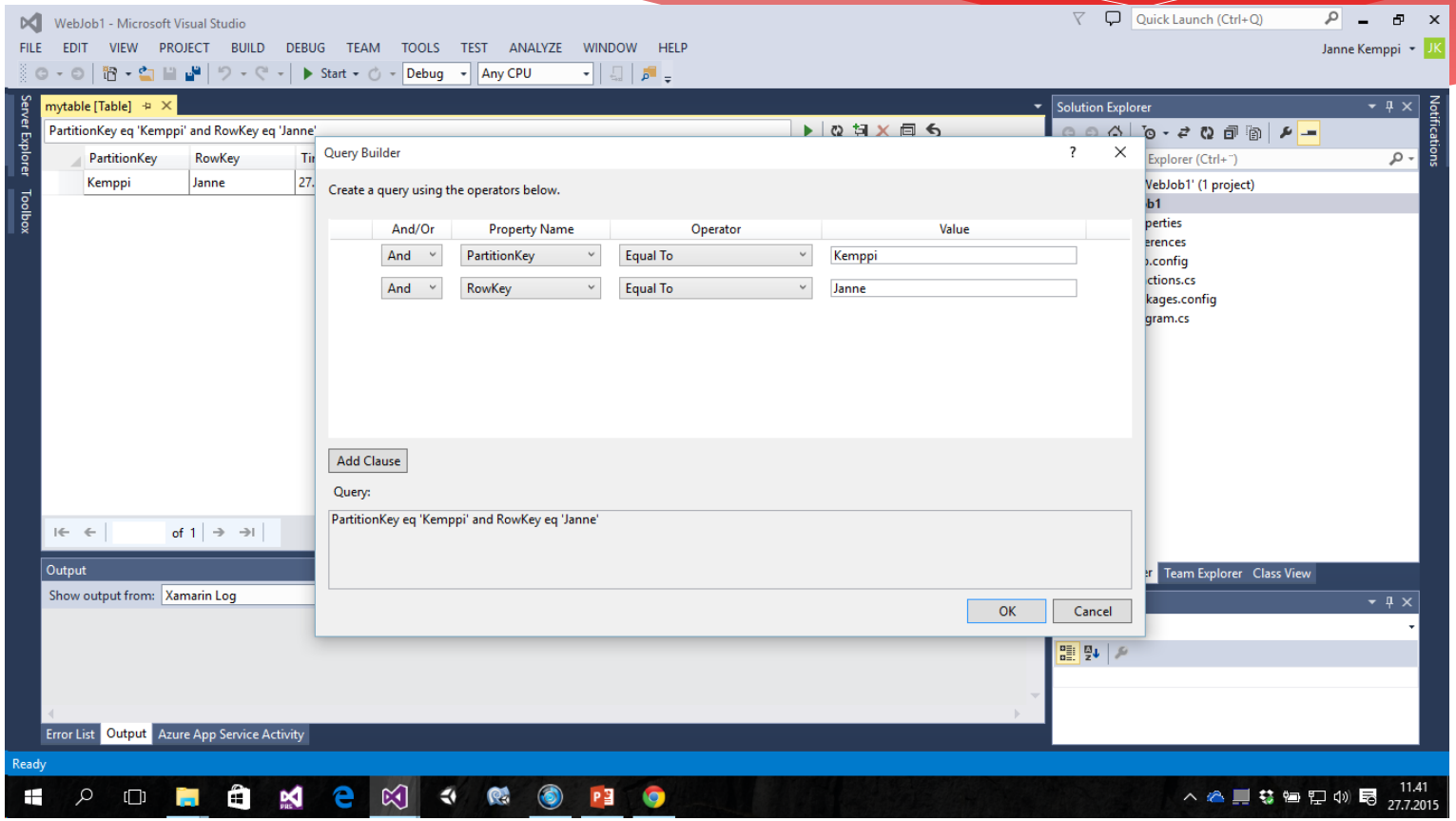
Tables

* **Data queries are often necessary with Azure Storage Tables.**
* Select table to be queried.
  * 1) Use Query Builder button in table to build a query clause.
  * 2) Select Execute button to run query.

* Note: Query Builder uses OData query syntax.
  * See also: http://www.odata.org/
  * https://msdn.microsoft.com/en-us/library/ff478141.aspx

Tables



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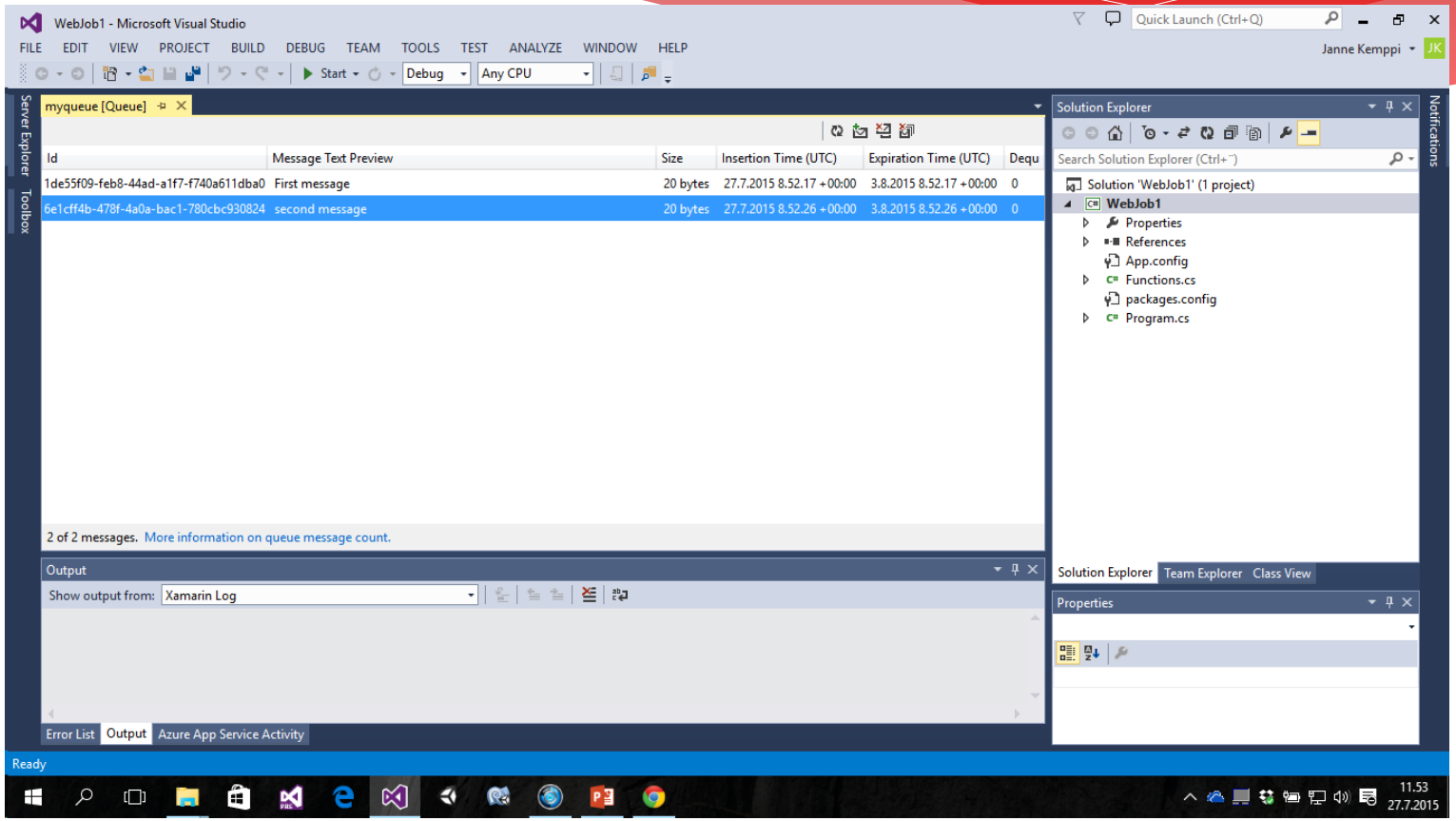
Queues

* **Queues (and associated messages) are typically created for testing purposes.**
* Queues and messages can be added in Visual Studio as following:
  * 1) Go to Queues and select ”Create Queue…”
  * 2) Go to newly created queue and add a new message via ”Add Message” button.
  * 3) Add several new messages and look at their information fields.
  * 4) Find ”dequeue first message” and ”clear queue” buttons that are used to manipulate the queue.

Queues



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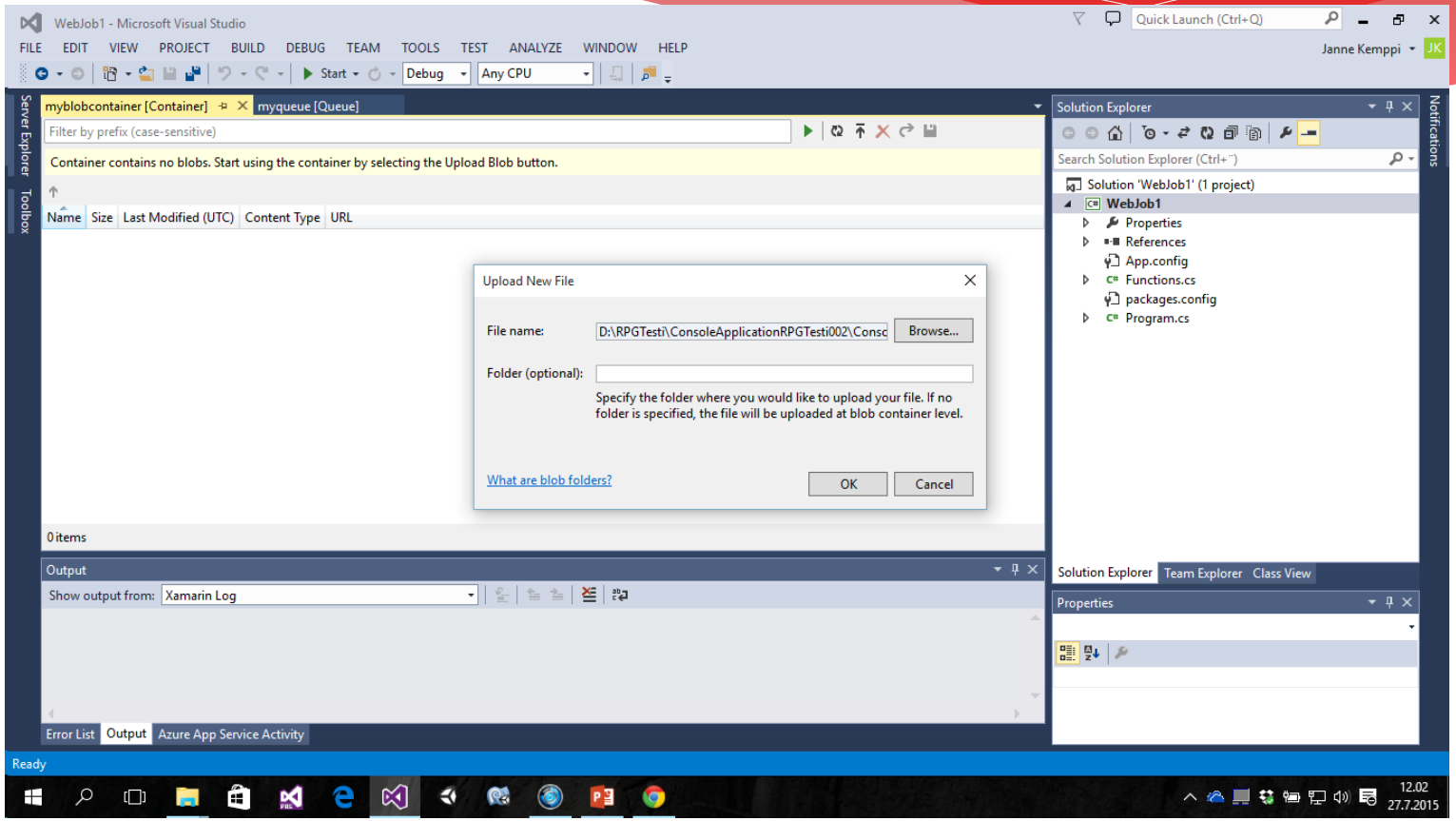
Blobs

* **Blobs are used to store binary based data (typically picture) in Azure Storage Services.**
* Visual Studio is used to create blobs as following:
  * 1) Go to a Blob and select ”Create Blob Container…”
  * 2) Go to newly created blob container and add a new blob via ”Upload Blob” button.
  * 3) Add several new blobs and look at their information fields.
  * 4) Find URL of both storage account and blobs you have created **<storage account name>.blob.core.Windows.net/<blob container name>/<name of the blob>**
    * This URL can be used to directly access blob whereever one needs it.

Blobs



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Questions?