**UNIT 02 NOTES**

**ASCII**

CHAR

VARCHAR

TEXT

**UNICODE(UTF16)**

NCHAR

NVARCHAR

NTEXT

* Two reasons to enforce a fixed length:

Enforce consistency, and storage length

**Performance**, and because **validation**.

* Every table needs PRIMARY KEY IDENTITY
* UNIQUEIDENTIFIER tells it to use GUID (globally unique Identifier)
* Benefit assigning randomly instead of sequentially:

Hacker could take information sequentially easier. If you know highest ID is 1,000,000 then you can figure how many USER ID you have.

* If you have a lot of data UNIQUEIDENTIFIER is better to process large amounts of data, more quickly. EX: Facebook ‘likes.
* Use UNIQUEIDENTIFIER for Security, Migrating databases.

Design First (edmx)

Code First (cs)

Deferred or not Deferred

Session property is part of Controller class

**Primary Keys**: determine how you access it checks if row is unique

**Foreign Keys:** relate to other databases

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Making the header look better. Inline block appear vertically Mobile size they are blocks. Medium or larger are inline.

Screen Reader: “sr-only” for deaf peoples.

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