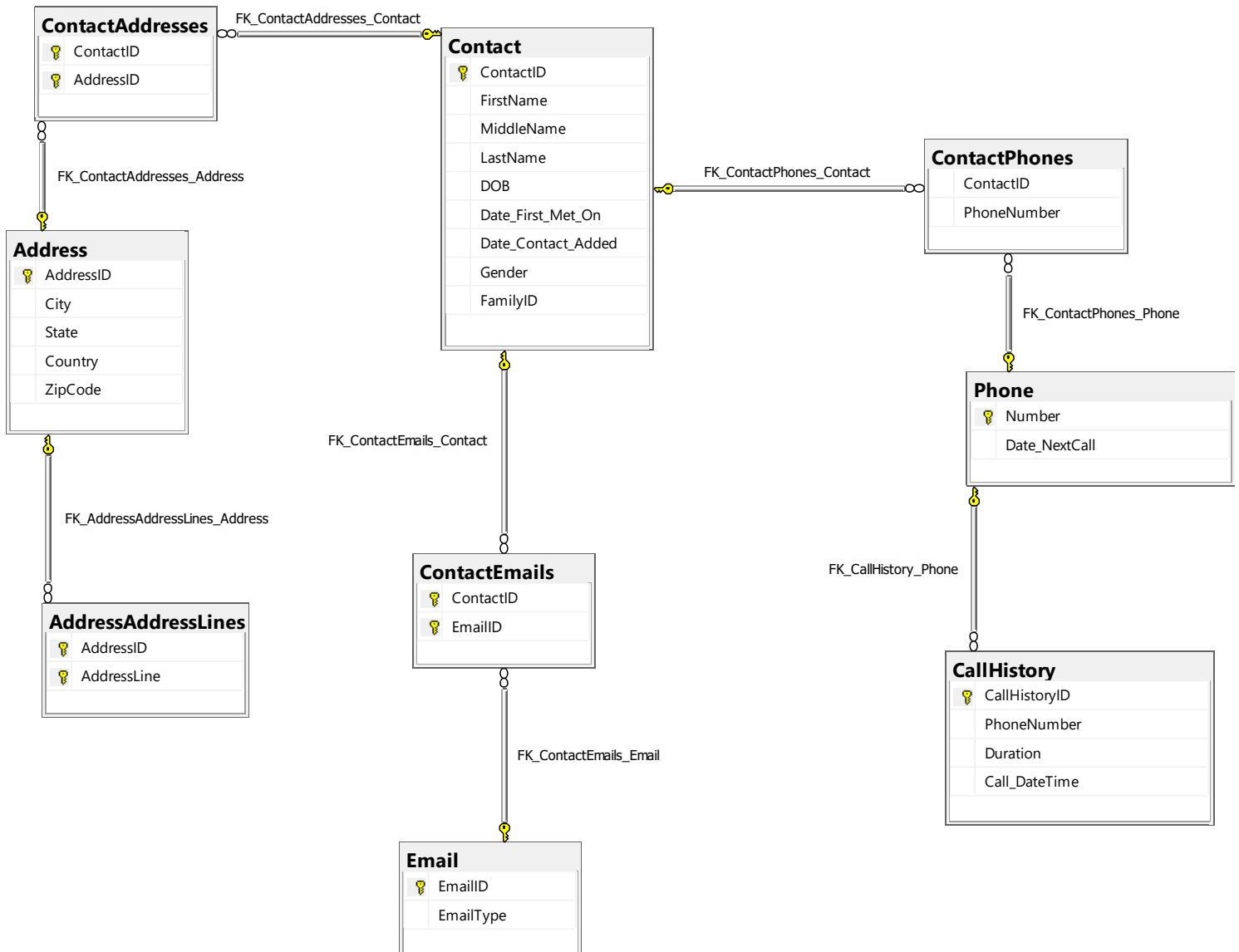


CS6360.004 Fall 2018

Assignment 3

Contact Manager

A listing of the tables and the relationship between them (Database Diagram) as generated by the Management Studio:



In the diagram above, Constraints have been placed on:

DOB, **Date_First_Met_On** and **Date_Contact_Added** columns on **Contact** Table

?

×

Check Constraints

Selected Check Constraint:

CK_Date_Added

CK_DateMet

CK_DOB

Editing properties for existing check constraint.

▼ (General)

Expression

(((DOB]<getdate()))

▼ Identity

(Name)

CK_DOB

Description

▼ Table Designer

Check Existing Data On Creati

Yes

Enforce For INSERTs And UPD

Yes

Enforce For Replication

Yes

Add

Delete

Close

?

×

Check Constraints

Selected Check Constraint:

CK_Date_Added

CK_DateMet

CK_DOB

Editing properties for existing check constraint.

▼ (General)

Expression

(((Date_First_Met_On]<=getdate()))

▼ Identity

(Name)

CK_DateMet

Description

▼ Table Designer

Check Existing Data On Creati

Yes

Enforce For INSERTs And UPD

Yes

Enforce For Replication

Yes

Add

Delete

Close

Check Constraints

?

×

Selected Check Constraint:

CK_Date_Added

CK_DateMet

CK_DOB

Add

Delete

Editing properties for existing check constraint.

▼ (General)

Expression

((Date_Contact_Added)<=getdate())

▼ Identity

(Name)

CK_Date_Added

Description

▼ Table Designer

Check Existing Data On Creati

Yes

Enforce For INSERTs And UPD

Yes

Enforce For Replication

Yes

Close

Date_Next_Call column on **Phone** Table

Check Constraints

?

×

Selected Check Constraint:

CK_NextCall

Add

Delete

Editing properties for existing check constraint.

▼ (General)

Expression

Date_NextCall >= getdate()

▼ Identity

(Name)

CK_NextCall

Description

▼ Table Designer

Check Existing Data On Creati

Yes

Enforce For INSERTs And UPD

Yes

Enforce For Replication

Yes

Close

Call_DateTime column on **CallHistory** Table.

Check Constraints

Selected Check Constraint:

CK_CalledTime*

Editing properties for new check constraint. The 'Expression' property needs to be filled in before the new check constraint will be accepted.

(General) Expression Call_DateTime <= getdate()	
Identity (Name) CK_CalledTime Description	
Table Designer Check Existing Data On Create Yes Enforce For INSERTs And UPD Yes Enforce For Replication Yes	

Add Delete Close

Indexes have been placed on the below column as these columns are the most searched in the table and are required for joins of the table:

Call_DateTime column on **CallHistory** Table

Indexes/Keys

Selected Primary/Unique Key or Index:

IX_CalledDateTime
PK_CallHistory

Editing properties for existing primary/unique key or index.

(General) Columns Call_DateTime (ASC) Is Unique No Type Index	
Identity (Name) IX_CalledDateTime Description	
Table Designer Create As Clustered No Data Space Specification PRIMARY Fill Specification	

Add Delete Close

Union of **FirstName**, **MiddleName** and **LastName** on **Contact** table

Indexes/Keys

Selected Primary/Unique Key or Index:

IX_Contact
PK_Contact

Editing properties for existing primary/unique key or index.

(General)	
Columns	FirstName (ASC), MiddleName (ASC), Last
Is Unique	No
Type	Index
Identity	
(Name)	IX_Contact
Description	
Table Designer	
Create As Clustered	No
Data Space Specification	PRIMARY
Fill Specification	

Add Delete Close

Date_NextCall on Phone Table

Indexes/Keys

Selected Primary/Unique Key or Index:

IX_NextCall
PK_Phone

Editing properties for existing primary/unique key or index.

(General)	
Columns	Date_NextCall (ASC)
Is Unique	No
Type	Index
Identity	
(Name)	IX_NextCall
Description	
Table Designer	
Create As Clustered	No
Data Space Specification	PRIMARY
Fill Specification	

Add Delete Close

And ZipCode on address Table

Selected Primary/Unique Key or Index:

IX_Zip

PK_AddressTable

Editing properties for existing primary/unique key or index.

▼ (General)

Columns	ZipCode (ASC)
Is Unique	No
Type	Index

▼ Identity

(Name)	IX_Zip
Description	

▼ Table Designer

Create As Clustered	No
> Data Space Specification	PRIMARY
> Fill Specification	

Add

Delete

Close