

# Nicholas Defranco - City Jail Database

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Assumptions: All allegations  
on a suspect have a charge  
status determined on the  
same date. Thus,  
court/hearing date = date  
charged

Can be possible that some  
charges can have the  
non-guilty status.

Bridging entity

Charges	
Crime ID (FK)	Type
Crime code (FK)	Type
charge status	Type

Charge list	
Crime code (PK)	Type
Description	Type
avg fine cost	Type
Avg sentence length	Type

Information about a  
specific type of charge

Criminal	
Criminal ID (PK)	Type
Name	Type
address	Type
phone number	Type
violent offender status	Type
probation status	Type
Date of birth	Type

Cell List	
Cell# (PK)	Type
Criminal ID(FK)	Type

Alias ID is needed in the  
case where multiple  
criminals have the same  
alias name

Aliases	
Alias ID (PK)	Field
Criminal ID (FK)	Field
Alias name	Field

Assumes that  
every crime is  
committed by one  
criminal

Crime	
Crime ID (PK)	Type
Criminal ID (FK)	Type
Classification	Type
date charged	Type
amount paid	Type
payment due date	Type
Court fee	Type

Appeal	
Appeal ID (PK)	Type
Crime ID (FK)	Type
appeal filing date	Type
appeal hearing date	Type
status	Type

Max of three  
appeals for a crime  
and no crime can  
be appealed more  
than once at the  
same time

Assupcion: No crime can  
have multiple sentences  
being served concurrently.  
Thus, dates and number of  
violations will not repeat  
when reffering to the same  
crime.

Sentencing	
Sentencing ID (PK)	Type
Crime ID (FK)	Type
start date	Type
end date	Type
Type of sentence	Type
number of violations	Type

Police Crimes	
Crime ID (FK)	Type
Badge number (PK)	Type

Bridging entity

Police/Probation Officer	
badge number (PK)	Type
name	Type
precinct	Type
phone contact	Type
status	Type