

Core Entities

Optional Entities/Relations (election/ballot tracking)

Voter

VoterKey
LastName
GivenNames
ResidenceAddress
MailingAddress
DateOfBirth
IDInfo
RegStatus
InitialRegTime
LastUpdateTime
Confidential?

ElectionOfficial

Username
FullName
Password

Election

ElectionKey
Name
Date
Description
EarliestMailingDate
EarlyVotingStartDate

ElectionParticipation

VoterKey
ElectionKey
Participated?
Date
VotingMethod

BallotMailing

VoterKey
ElectionKey
TrackingID
MailedDate
BallotStatus
StatusChangeDate
NewTrackingID

Enumerated Types

RegStatus: { Active, Inactive }
VotingMethod: { InPerson, Mail, Other }
BallotStatus: { Sent, Returned, Canceled, Lost }