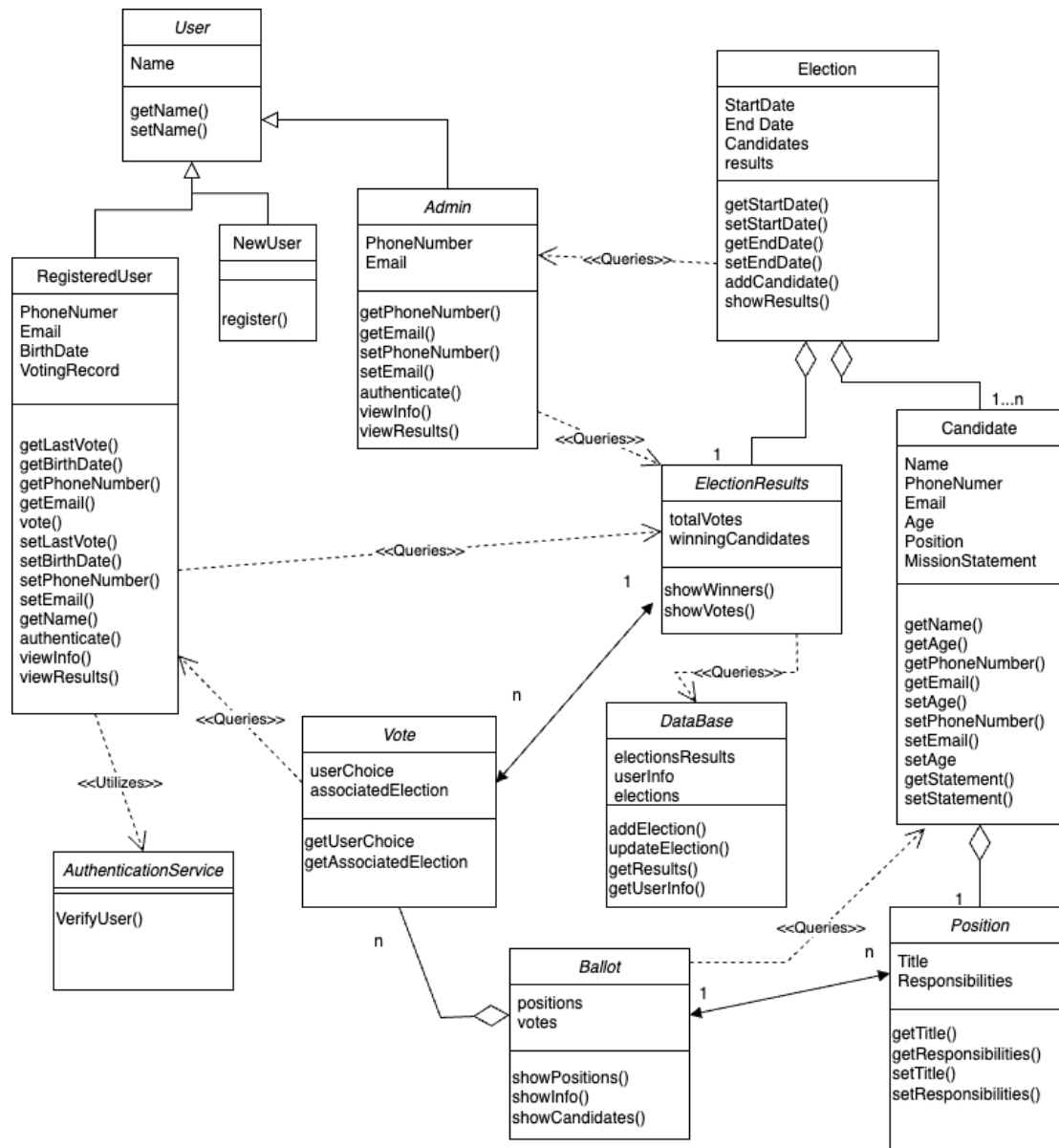


Project: SCWZ-EVOT

Team Members:

Zachary Adelson, Sarah Carley, Christian Estlund, Willow Zuvich

Class Diagram:



CRC Cards:

Election

Responsibilities	Collaborators
Incorporates candidates	Candidate
Tracks votes	Database
Knows start and end date	
Calculates results	ElectionResults

Ballot	
Responsibilities	Collaborators
Lists available candidates	Candidate
Collects votes from user	Vote

Position	
Responsibilities	Collaborators
Contains description of elected position	
Contains title of position	

Vote	
Responsibilities	Collaborators
Knows the candidate voted for	Candidate
Knows the election the vote applies to	Election

Candidate	
Responsibilities	Collaborators
Contains identifying information about the candidate	
Contains the election the candidate is running in	Election
Contains the position the candidate is running for	Position
Contains the candidate's mission statement	

ElectionResult	
Responsibilities	Collaborators
Knows the counts of the votes	Database
Knows the candidates of the election	Election
Determines the winner of the election	

User	
Responsibilities	Collaborators
Contains ID for the user	Database
Allows the user to attempt to login	Database

NewUser	
Responsibilities	Collaborators
Allows the user to register	Database

RegisteredUser	
Responsibilities	Collaborators
AuthorizeUser()	AuthenticationServices
Allows the user to vote in an election	Election
View election information	Election
View election result	ElectionResult

Admin	
Responsibilities	Collaborators
AuthorizeUser()	Database
Create a new election	Election
Modify an election	Election
View an election	Election

Database	
Responsibilities	Collaborators
Contains user IDs	
Contains election information	
Allows admins to add elections	Admin
Allows admins to modify elections	Admin
Allows ElectionResult to determine election outcomes	ElectionResult
Allows AuthenticationServices to verify a user	AuthenticationServices
Add a new user	NewUser

AuthenticationServices	
Responsibilities	Collaborators
VerifyUser()	Database

Package Diagram:

