Domain Object model for the eVote system

1. Electoral district
    Attributes
    - name; type: alphanumeric text
    Static relationships
    - has a number of Voters who belong to it

2. Ballot
    Attributes
    - start date; type: date and time
    - end date; type: date and time
    Static relationships
    - has an ordered list of Elections and/or Issues
    - has a number of Record of votes (cast by Voters)

3. Election
    Attributes
    - office name; type: alphanumeric text
    - is partisan; type: true or false
    - alternate candidates allowed; type: true or false
    - vote count; type: numeric
    Static relationships
    - is part of a Ballot
    - has an Electoral district
    - has an ordered list of Candidates
    - has an ordered list of alternate Candidates, if alternates are allowed

4. Issue
    Attributes
    - question; type: alphanumeric text
    - vote count; type: numeric
    - yes count; type: numeric
    - no count; type: numeric (derived attribute)
    Static relationships
    - is part of a Ballot
    - has an Electoral district

5. Candidate
    Attributes
    - name; type: alphanumeric text
    - is alternate; type: true or false
    - vote count; type: numeric
    Static relationships
    - is a member of a Political party, if election with this candidate is partisan

- is a candidate for an Election

6. Political party
   Attributes
   - name; type: alphanumeric text
   Static relationships
   - has a number of Candidates who belong to it; only for partisan Elections

7. Elections officer
   Attributes
   - first name; type: alphanumeric text
   - last name; type: alphanumeric text
   - user name; type: alphanumeric text
   - password; type: any text
   - email address; type: alphanumeric text, must be in email format
   - address; type: alphanumeric text

8. Voter
   Attributes
   - first name; type: alphanumeric text
   - last name; type: alphanumeric text
   - user name; type: alphanumeric text
   - password; type: any text
   - email address; type: alphanumeric text, email format
   - address; type: alphanumeric text
   - voter id; type: alphanumeric text, system assigned
   Static relationships
   - belongs to a number of Electoral districts
   - has a Record of vote cast on a Ballot

9. Record of vote
   Attributes
   - date; type: calendar date and time
   Static relationships
   - has a Voter who casts a vote
   - has a Ballot for which the Voter casts a vote