

Main
numCandidates: int Password: String Instructions: String after: String i: Main candidates: ArrayList<Candidate> sc: Scanner Pcon: passwordController Root: AnchorPane Scene: Scene Rankingdummy: ArrayList<Integer> Voter: Voter lowestCand: int
+main(args:String[]) +start(primaryStage:Stage) +makeVoter(candidates: ArrayList<Candidate>, votes: ArrayList<Voter>) +resultsSetup(candidates: ArrayList<Candidate>, votes: ArrayList<Voter>) +resultsTabulate(candidates: ArrayList<Candidate>, votes: ArrayList<Voter>) +lowestCand(candidates: ArrayList<Candidate>): int +setNumCandidates(numCandidates: int) +setPassword(password: String) +setAfter(after: String) +setCandidates(candidates: ArrayList<Candidate>)

passwordController
Enteredpassword: PasswordField mainPane: AnchorPane Password:String Votes: ArrayList<Voter> Candidates: ArrayList<Candidate> after: String Instructions: String alert: Alert scene: Scene window: Stage
+submit(event: ActionEvent) +results(event: ActionEvent)

Candidate
+name: String +eliminated: boolean +numCandidates: int +totVotes: int
<<constructor>>Candidate(s: String, numCandidates: int)

Voter
Candidates: ArrayList<Candidate> Ranking: ArrayList<Integer>
<<constructor>>Voter(candidates: ArrayList<Candidate>, ranking: ArrayList<Integer>)

VotingController
candidates: ListView<String> ranks: ListView<String> mainPane: AnchorPane candidates: ArrayList<Candidate> ranking: ArrayList<Integer> votes: ArrayList<Voter> cand: Candidate password: String Instructions: String after: String number: int filePath: String file: File in: Scanner Items: ObservableList<String> numbers: ObservableList<Integer> name: String selectedCandidate: String numRank: int vote: Voter window: Stage scene: Scene loader: FXMLLoader pcon: passwordController
+initData(password: String, candidates: ArrayList<Candidate>, votes: ArrayList<Voter>, Instructions: String, after: String) +initialize(location: URL, resources: ResourceBundle) +submit(event: ActionEvent)

