Contract: createAccount

Operation: createAccount(ActionEvent: event)

Cross References: SSD

Preconditions: Account has not already been created and user is in account creation screen.

Postconditions: Account creation starts and user is prompted to give an userId, password, firstName, and lastName.

Contract: userLogin

Operation: userLogin(ActionEvent: event)

Cross References: SSD

Preconditions: User has not logged in and has an account

Postconditions: User is prompted to provide userId and password, User is logged in as either admin or voter

Contract: goToLoginScreen

Operation: goToLoginScreen(ActionEvent: event)

Cross References: SSD

Preconditions: LoginStage is not active

Postconditions: LoginStage is active

Contract: goToCreateUser

Operation: goToCreateUser(ActionEvent: event)

Cross References: SSD

Preconditions: Not already at createAccount

Postconditions: Brings UI to createAccount

Contract: cancelLogin

Operation: cancelLogin(ActionEvent: event)

Cross References: SSD

Preconditions: None

Postconditions: Exits platform

Contract: adminView

Operation: adminView(ActionEvent: event)

Cross References: SSD

Preconditions: User must be logged in as admin

Postconditions: Shows mainMenuStage and AdminMainView

Contract: statsView

Operation: statsView(ActionEvent: event)

Cross References: SSD

Preconditions: User must be logged in as admin

Postconditions: Shows statsStage

Contract: settingsView

Operation: settingsView(ActionEvent: event)

Cross References: SSD

Preconditions: User must be logged in as admin

Postconditions: Shows settingsStage

Contract: configureBallets

Operation: configureBallets(ActionEvent: event)

Cross References: SSD

Preconditions: User must be logged in as admin

Postconditions: Shows configBalletStage

Contract: configureUsers

Operation: configureUsers(ActionEvent: event)

Cross References: SSD

Preconditions: User must be logged in as admin

Postconditions: Shows configUsersStage

Contract: createBallet

Operation: createBallet(ballet: Ballet)

Cross References: SSD

Preconditions: User must be logged in as an admin

Postconditions: User is prompted to create ballet

Contract: editBallet

Operation: editBallet(ballet: Ballet)

Cross References: SSD

Preconditions: User must be logged in as an admin

Postconditions: User is prompted to select ballet to edit

Contract: deleteBallet

Operation: deleteBallet(ballet: Ballet)

Cross References: SSD

Preconditions: User must be logged in as an admin

Postconditions: User is prompted to select ballet to delete

Contract: editUser

Operation: editUser(user: User)

Cross References: SSD

Preconditions: User must be logged in as an admin

Postconditions: User is prompted to select user to edit

Contract: deleteUser

Operation: deleteUser(user: User)

Cross References: SSD

Preconditions: User must be logged in as an admin

Postconditions: User is prompted to select user to delete

Contract: selectVote

Operation: selectVote(choice: string)

Cross References: SSD

Preconditions: A vote selection is underway

Postconditions: The user’s vote choice is selected(variable update)

Contract: castVote

Operation: castVote()

Cross References: SSD

Preconditions: A vote choice has been selected

Postconditions: The user voting data is saved and updated on the server