## LogInController App - usernameField : TextField +Firestore fstore - context : FirestoreContext - passwordField : PasswordField - scene : Scene - logInButton : Button - whiteboardLogoImageView: **ImageView** +start(Stage stage) -whiteboardLogo: Image + setRoot(String fxml):FXMLLoader + loadFXML(String fxml) + switchToSignUp() + main(String[] args) + handleLogIn() + logIn() SignUpController User() - usernameField: TextField username: String - nameField: TextField password: String - passwordField : PasswordField name: String typeOfUserComboBox : # accessLevel : int ComboBox - whiteboardLogoImageView: + User() **ImageView** + User(String username, String -whiteboardLogo: Image password, String name) + getUsername(): String + setUsername(String username) + initialize(URL url. ResourceBundle rb) + getPassword(): String + setPassword(String password) + switchToLogIn() + getName() : getName() + setName(String name) Faculty - courses : String[] + Faculty(String username, String Admin password, String name, String[] courses) + getCourses() : String[] + setCourses(String[] courses) + Admin(String username, String password) + registerUser() FacultyViewController AdminViewController - logOutLabel:Label logOutLabel:Label - whiteboardLogoImageView: - whiteboardLogoImageView: **ImageView ImageView** whiteboardLogo: Image whiteboardLogo: Image +courses() + initialize(URL url, + handleLogOut() ResourceBundle rb) + void manageUsers() + logOut()

+ handleLogOut()

+ void logOut()

+ handleUploadFile()

+ uploadfile()

## Student - major : String - courses : String[] + getMajor(): String + setMajor(String major) + getCourses() : String + setCourses(String[] courses) StudentViewController - logOutLabel : Label whiteboardLogoImageView : **ImageView** - whiteboardLogo: Image + initialize(URL url, ResourceBundle rb) + courses() + handleGetDoc() + getDoc(String projectId, String bucketName, String objectName, String destFilePath) + handleLogOut() + logOut()

DatabaseController

- usernameField : TextField

- passwordField : TextField

- nameField : TextField

- maiorField : TextField

+ handleHomeButton()

+ addStudentData()+ handleAddFacultyData()+ addFacultyData()+ handleAddAdminData()

+ addAdminData()

+firebase(): Firestore

+ handleAddStudentData()

FirestoreContext

+ homeButton()

- writeButton : Button