

model

UserAccount		
username	String	
password	String	
gender	String	
photo	Image	
careers	ArrayList<String>	
birthday	String	
favBrowser	String	
UserAccount(String, String, String, Image, ArrayList<String>, String, String)		
getUsername()	String	
setUsername(String)	void	
getPassword()	String	
setPassword(String)	void	
getGender()	String	
setGender(String)	void	
getPhoto()	Image	
setPhoto(Image)	void	
getCareers()	String	
setCareers(ArrayList<String>)	void	
getBirthday()	String	
setBirthday(String)	void	
getFavBrowser()	String	
setFavBrowser(String)	void	

Classroom		
users	ArrayList<UserAccount>	
Classroom()		
addUser(String, String, String, Image, ArrayList<String>, String, String)	void	
canLogin(String, String)	boolean	
getUsers()	ArrayList<UserAccount>	
returnUserImage(String)	Image	

ui

ClassroomGUI		
classroom	Classroom	
mainPane	Pane	
loginUsernameField	TextField	
loginPasswordField	TextField	
newUsername	TextField	
newPassword	TextField	
fileDirectory	TextField	
genderGroup	ToggleGroup	
maleSelect	RadioButton	
femaleSelect	RadioButton	
otherSelect	RadioButton	
softwareEnSelect	CheckBox	
teleamticEnSelect	CheckBox	
industrialEnSelect	CheckBox	
birthdayDate	DatePicker	
favoriteBrowser	ChoiceBox<String>	
tableViewUseraccount	TableView<UserAccount>	
usernameColumn	TableColumn<UserAccount, String>	
GenderColumn	TableColumn<UserAccount, String>	
careerColumn	TableColumn<UserAccount, String>	
birthdayColumn	TableColumn<UserAccount, String>	
browserColumn	TableColumn<UserAccount, String>	
imageProfile	Image	
usernameInAccountList	Label	
userImageInAccountList	ImageView	
ClassroomGUI(Classroom)		
browseFileToChoose(ActionEvent)	void	
createAccount(ActionEvent)	void	
goToSignInScreen(ActionEvent)	void	
loginAction(ActionEvent)	void	
signUpAction(ActionEvent)	void	
logOutAction(ActionEvent)	void	
startApp(ActionEvent)	void	
initializeTableView()	void	

Main		
classroom	Classroom	
classroomGUI	ClassroomGUI	
Main()		
start(Stage)	void	
main(String[])	void	

account-list.fxml

register.fxml

login.fxml

main-pane.fxml

-accounts

-classroom

-classroom

-classroomgui