

LoginForm
-username : line edit -password : line edit -login : button -create_account : button -guest : button -error_message : text edit
+validateUser() : bool +openNewAccountWindow() : void +continueAsGuest() : void +validatePassword(String hashed_pw) : bool +loadUser() : User +hashPassword(String salt) : String

NewUserForm
-first_name : line edit -last_name : line edit -username : line edit -password : line edit -submit : button -birth_date : DateEdit -gender : QComboBox -prof_picture : QComboBox
+checkUsername() : bool +checkPassword() : bool +createUser() : User +launchMainMenu() : void

User
-first_name : String -last_name : String -username : String -picture : String -gender : String -dob : QDate -pwSalt : String -password : String (hash) -scores : LinkedList<int>

MainMenu
-current_date : text edit -birthday_message: text edit -profile_picture : QPixmapItem -hello_message : text edit -launch_game : button -leaderboards : button
+checkBirthday() : bool +launchGame() : void +openLeaderboards() : void

LeaderBoard
-scores : text field -global_scores : button -user_scores : button
+fetchGlobalLeaderboard() : GlobalScores +fetchUserScores() : LinkedList<int>

GlobalScores
-user_score : struct(name : String, top_score : int) -ranked_scores : LinkedList<user_score>

Game
TBD - finalizing game decision Friday