

Activity

id int
name string
duration int
intensity int
caloriesBurned int
date LocalDate
userId int

public Activity(String name, int duration,
int intensity, int caloriesBurned,
LocalDate date)

public int getId(), public void setId(int id)
public String getName(), public void
setName(String name)
public int getDuration(), public void
setDuration(int duration)
public int getIntensity(), public void
setIntensity(int intensity)
public int getCaloriesBurned(), public
void setCaloriesBurned(int
caloriesBurned)
public LocalDate getDate(), public void
setDate(LocalDate date)
public int getUserId(), public void
setUserId(int userId)

FoodItem

id int
name string
calories int
carbs int
fats int
proteins int
servingSize int
date LocalDate
userId int

public FoodItem(String name, int
calories, int carbs, int fats, int proteins,
int servingSize, LocalDate date)

public int getId(), public void setId(int id)
public String getName(), public void
setName(String name)
public int getCalories(), public void
setCalories(int calories)
public int getCarbs(), public void
setCarbs(int carbs)
public int getFats(), public void
setFats(int fats)
public int getProteins(), public void
setProteins(int proteins)
public int getServingSize(), public void
setServingSize(int servingSize)
public LocalDate getDate(), public void
setDate(LocalDate date)
public int getUserId(), public void
setUserId(int userId)

FruitfulFitness

private Connection connectToDB()
private void registerUser(String
username, String password, Stage
primaryStage)
private boolean
checkUsernameExists(String username,
Connection conn)
private void loginUser(String username,
String password, Stage primaryStage)
private void initializeMainScene(Stage
primaryStage)
public ObservableList<Activity>
fetchActivitiesForCurrentUserAndDate()
public ObservableList<FoodItem>
fetchFoodItemsForCurrentUserAndDate(
)
public void updateUserGoals(int userId,
String newIntakeGoal, String
newBurnedCaloriesGoal)

UserProgress

public UserProgress()
public void addActivity(Activity activity)
public void addFoodItem(FoodItem
foodItem)
public String generateProgressReport()

Goal

calorieIntakeGoal int
caloriesBurnedGoalPerWeek int

public Goal()
private void setGoals()

public int getCalorieIntakeGoal(), public
void setCalorieIntakeGoal(int
calorieIntakeGoal)
public int
getCaloriesBurnedGoalPerWeek(), public
void setCaloriesBurnedGoalPerWeek(int
caloriesBurnedGoalPerWeek)

