

# **sked-it**

## Data Design Document

Submitted to:

Asst. Prof. Ma. Rowena C. Solamo  
Faculty Member  
Department of Computer Science  
College of Engineering  
University of the Philippines, Diliman

Submitted by:

Dela Sierra, Joshua Joseph Riki V.  
Garcia, Patric Charles M.  
Granda, Justin Tristan Gabriel

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### ***Unique Reference:***

The documents are stored in the <https://github.com/jvdelasierra/sked-it/tree/master/03-Design%20Engineering>.  
[https://github.com/jvdelasierra/sked-it/tree/master/03-Design%20Engineering/sked-it%20-%20Data Design.pdf](https://github.com/jvdelasierra/sked-it/tree/master/03-Design%20Engineering/sked-it%20-%20Data%20Design.pdf)

### ***Document Purpose:***

The purpose of this document is to formalize the idea of the data model of the application “sked-it”

### ***Target Audience:***

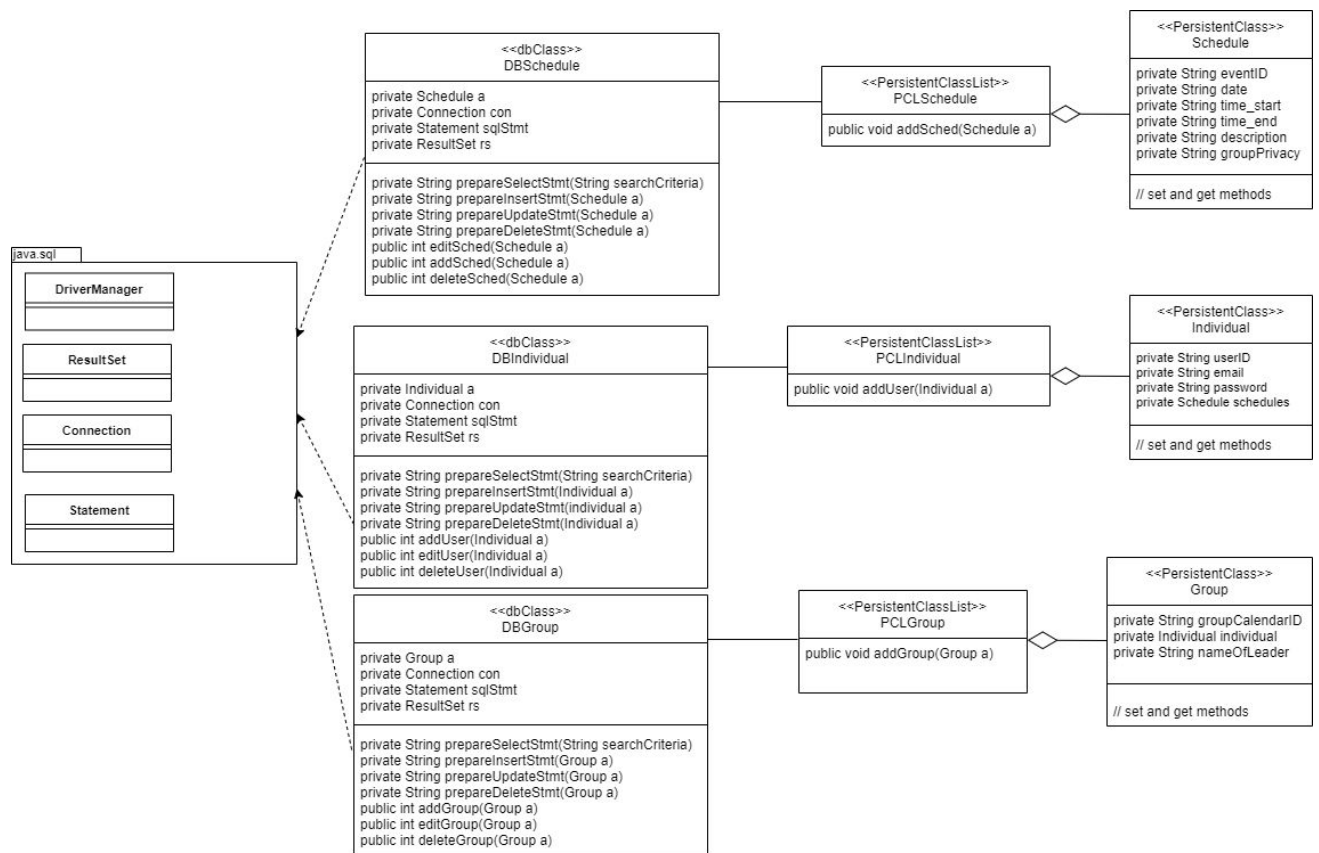
The target audience of this document would be the developers of sked-it and anyone who is interested in our process of building an application.

### ***Revision Control***

#### *History Revision:*

<b><i>Revision Date</i></b>	<b><i>Person Responsible</i></b>	<b><i>Version Number</i></b>	<b><i>Contribution/Modification</i></b>
10/22/2019	Joshua V. Dela Sierra	1.0	Initial Document
10/23/2019	Patric Charles M. Garcia	2.0	Added Content to all the tables.
10/24/2019	Justin Tristan Gabriel R. Granda	3.0	Added Logical Database Design
10/24/2019	Patric Charles M. Garcia	4.0	Added persistent class lists
10/24/2019	Joshua V. Dela Sierra	5.0	Data Design Diagram
10/24/2019	Patric Charles M. Garcia	6.0	Added other attributes to Schedule in Logical Database Design
10/24/2019	Joshua V. Dela Sierra	7.0	Fixed the constraints of the Logical Database Design and Finalized the document

## Data Design:



*Data Access Object (DAO) or DBClasses:*

<b>Class Name</b>	<b>Description</b>
DBIndividual	This data access object is responsible for getting Individual data from a database.
DBGroup	This data access object is responsible for getting Group data from a database.
DBSchedule	This data access object is responsible for getting Schedule data from a database.

*TransferObject or Persistent Classes:*

<b>Class Name</b>	<b>Description</b>
Individual	This persistent class is responsible for holding a single athlete record
Schedule	This persistent class is responsible for holding a schedule record
Group	This persistent class is responsible for holding a single group record
PCLIndividual	This persistent class list is responsible for holding a list of Individual records.
PCLSchedule	This persistent class list is responsible for holding a list of Schedule records.
PCLGroup	This persistent class list is responsible for holding a list of Group records.

**Database Name:** GangStore Inventory Database

**Description:** This is the database that contains the players needed for the application's key functionalities. The following are the list of tables:

Tables	Descriptions
Individual	It contains the details of all the individual users in the sked-it app.
Group	It contains the details of all the groups in the sked-it app.
Schedule	It contains the schedules of all the users in the sked-it app

### Logical Database Design:

#### Individual

userID	email	password	eventID
BIGINT	VARCHAR(50)	VARCHAR(50)	BIGINT
9999999999	X(50)	X(50)	9999999999
<b>PK, SA</b>	<b>NN</b>	<b>NN</b>	<b>FK</b>
1000	Juan	theone	3000
1001	Dela	liano	3001
1002	Cruz	soma	3002

## Group

groupID	name	userID (leader)	userID (members)	scheduleID
BIGINT	VARCHAR(50)	BIGINT	BIGINT	BIGINT
9999999999	X(50)	9999999999	9999999999	9999999999
<b>PK, SA, NC</b>	<b>NN</b>	<b>FK</b>	<b>FK, NN</b>	<b>FK</b>
2000	PartyGroup	1000	1000,1003	4000
2001	ACM Org	1001	1001, 1004	4001
2002	WSG	1002	1002, 1005	4002

## SCHEDULE

eventID	date	time_start	time_end	description	groupPrivacy
BIGINT	DATE	TIME	TIME	VARCHAR(256)	VARCHAR(15)
999999999	max_date_val	23:59:59	23:59:59	X(256)	X(15)
<b>PK, SA, NC</b>	<b>UA</b>	<b>UA</b>	<b>UA</b>	<b>UA</b>	<b>UA</b>
3000	2018-01-01	08:00:00	09:00:00	Party	Private
3001	2019-01-01	08:00:00	10:00:00	Homework	Public
3002	2020-01-01	08:00:00	11:00:00	Routine	Secret