

UTut: University Tutor

Data Design Document

Submitted to:

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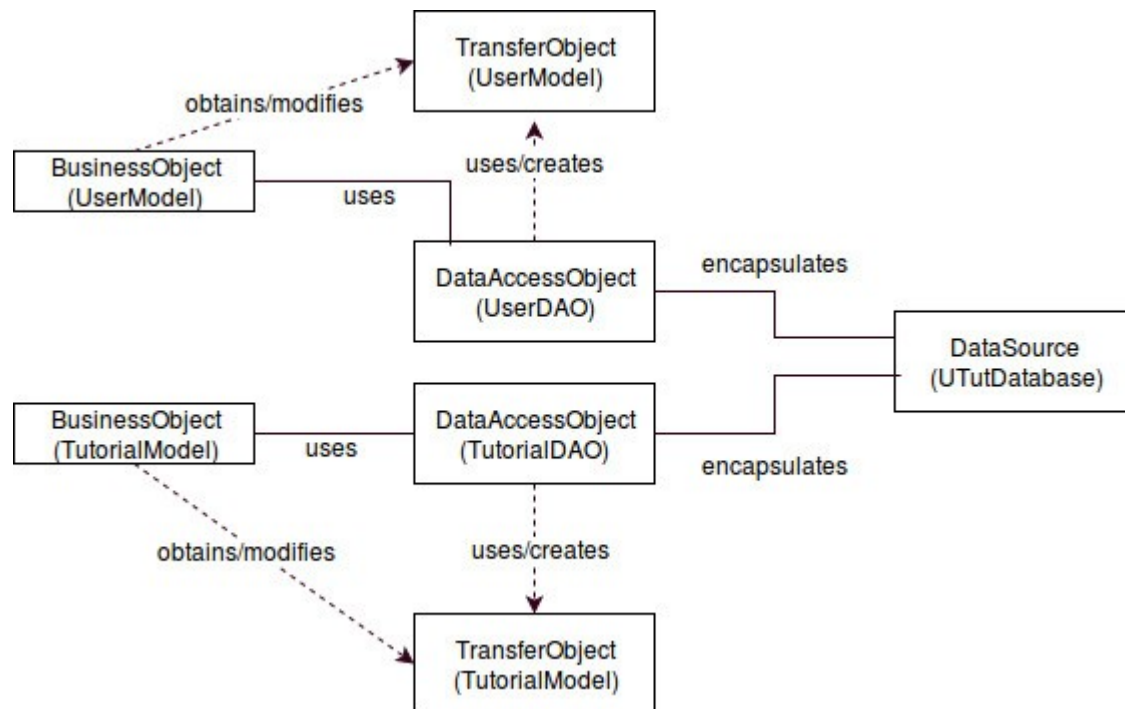
In partial fulfillment of Academic Requirements
for the course
CS 191 Software Engineering I
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Revision Control

History Revision:

<i>Revision Date</i>	<i>Person Responsible</i>	<i>Version Number</i>	<i>Modification</i>
11/22/17	Julio Segismundo	1.0	Initial Document;

Data Design:



Data Access Object (DAO) Classes:

Class Name	Description
TutorialDAO	Abstracts transactions within the Tutorial table.
UserDAO	Abstracts transactions within the User table.

TransferObject Classes:

Class Name	Description
TutorialModel	Represents the Tutorial entity and its methods.
UserModel	Represents the User entity and its methods.

List of Data Source:

Data Source Name: UTutDatabase.sql

Description: SQL database containing Tutorials and Users

Sample Source File:

Tutorials:

```
id,tutor_id,tutee_id,subject,day,start_hr,start_min,end_hr,end_min
00001,10003,10001,Physics,Mon,13,00,14,00
00002,10003,10002,Physics,Tues,15,00,14,00
00003,10001,10002,Math,Sat,11,00,13,30
```

Users:

```
id,username,email,password,sex,description
10001,Kirchhoff,kirchoff@gmail.com,1234567890,M,Kuryente King
10002,Turing,turing@gmail.com,asdfghjkl,M,CS lord
10003,Einstein,einstein@gmail.com,emc2,M,physics lord
```

Sample Tables from the Database:

TUTORIAL								
id	tutor id	tutee id	subject	day	start hr	start min	end hr	end min
INT	INT	INT	VARCHAR(250)	VARCHAR(10)	INT	INT	INT	INT
99999	99999	99999	X(250)	X(10)	99	99	99	99
00001	10003	10001	Physics	Mon	13	00	15	00
00002	10003	10002	Physics	Tues	15	00	14	00
00003	10001	10002	Math	Sat	11	00	13	30

USER					
id	username	email	password	sex	description
INT	VARCHAR(250)	VARCHAR(250)	VARCHAR(250)	VARCHAR(1)	VARCHAR(250)
99999	X(250)	X(250)	X(250)	X	X(250)
10001	Kirchhoff	kirchhoff@gmail.com	1234567890	M	Kuryente king
10002	Turing	turing@gmail.com	asdfghjkl	M	CS lord
10003	Einstein	einstein@gmail.com	emc2	M	physics lord