BOOK UP
Data Design Document

Submitted to:

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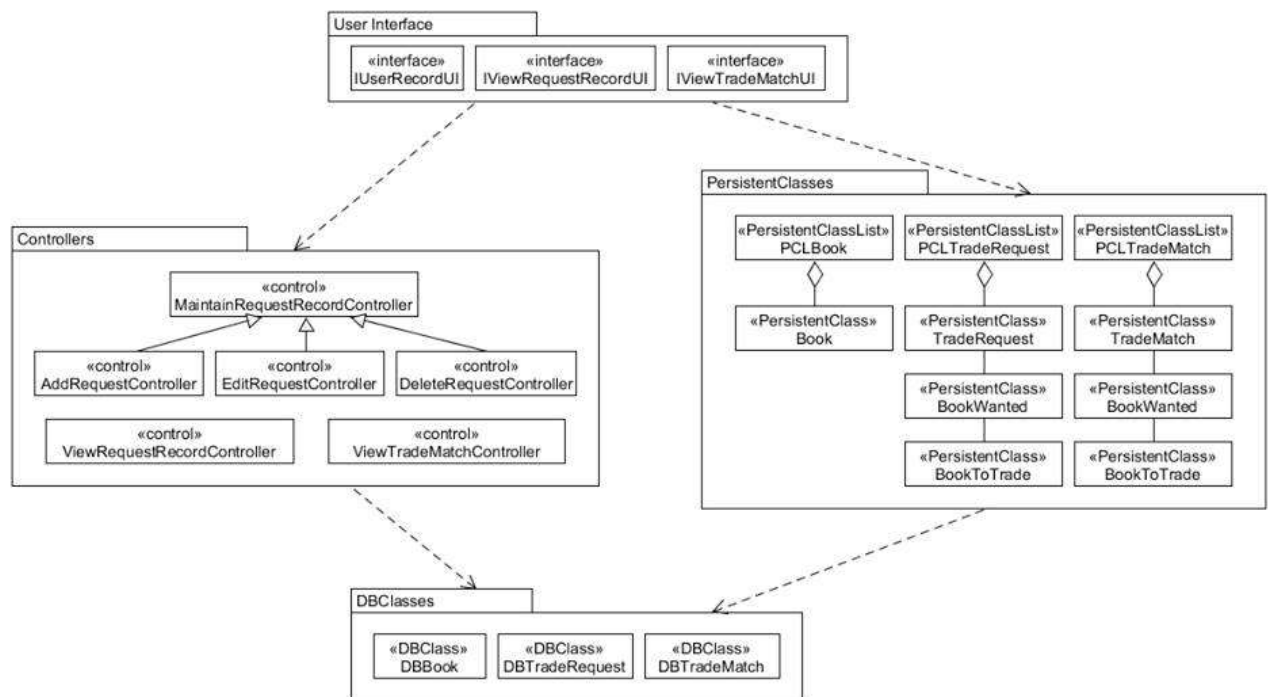of the
1st Semester, AY 2014-2015

Revision Control

History Revision:

Revision Date	Person Responsible	Version Number	Modification
11/14/16	Karen Margaret D. Agnes	1.0	Initial Document; Made the sample data.
11/15/16	Ayococho, Matthew	1.1	Added the Class Diagram
11/17/16	Agnes, Karen	1.2	Added descriptions

Data Design:

[In this section, place here the class diagram].

DB Classes:

Class Name	Description
DBBook	Database containing all details about all books.
DBTradeRequest	Database containing all details about trade requests including username, book to give, and book to receive.
DBTradeMatch	Database containing all details about books that are matched.

Persistent Classes:

Class Name	Description
PCLBook	Holds data about books involving database queries.
PCLTradeRequest	Holds data about trade requests involving database queries.
PCLTradeMatch	Holds data about trade matches involving database queries.

Sample Tables from the Database:

USER

Username	Password	Name	Email	Mobile
VARCHAR(50)	VARCHAR(20)	VARCHAR(50)	VARCHAR(50)	INT
PK	**NN**	**NN**	**NN**	**NN**
maddox18	m000	Maddox	maddox@dog.com	9984736251
waffythefirst	ruffruff1211	Waffy	waffy@dog.com	9934534323
cottonball	ballislife	Cotton Ball	cotton@dog.com	9424586722
cobybear	rawr	Coby The Bear	coby@dog.com	9339848384

BOOK

BookID	Username	Title	Author	Date	Publisher	Genre
INT	VARCHAR(50)	VARCHAR(50)	VARCHAR(20)	Date	VARCHAR(20)	VARCHAR(20)
PK	**FK**	**NN**	**NN**			
1001	maddox18	A Game of Thrones	George R. R. Martin	6-Aug-96	Bantam Spec-tra	Political Strategy
1002	maddox18	Guide To Be The Best Dog	Golden R. Retriever	10-Aug-00	Dog Inc	Inspirational
1003	waffythefirst	Woof Woof	Pugadoodle	2-Feb-98	Dog Inc	Action
1004	cottonball	Princess Dog	Barbie	8-Jul-97	Dog Inc	Romance
1005	cobybear	To Kill a Mock-ingbird	Harper Lee	11-Jul-60	Harper Lee	Southern Gothic
1006	cobybear	A Man's Best Friend	Shit Zoo	17-Oct-02	Dog Inc	Inspirational

TRADE REQUEST

TradeNum	GivenBook	WantedBook
INT	INT	INT
PK	**FK, NN**	**FK, NN**
1	1001	1005
2	1002	1005
3	1005	1004

TRADE MATCH

Book1	Book2
INT	INT
FK, NN	**FK, NN**
1002	1003