

Wi-Finder

Data Design Document

Submitted to:

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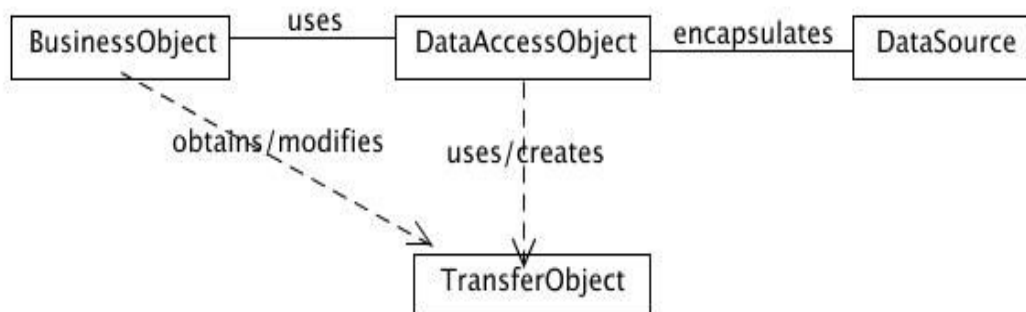
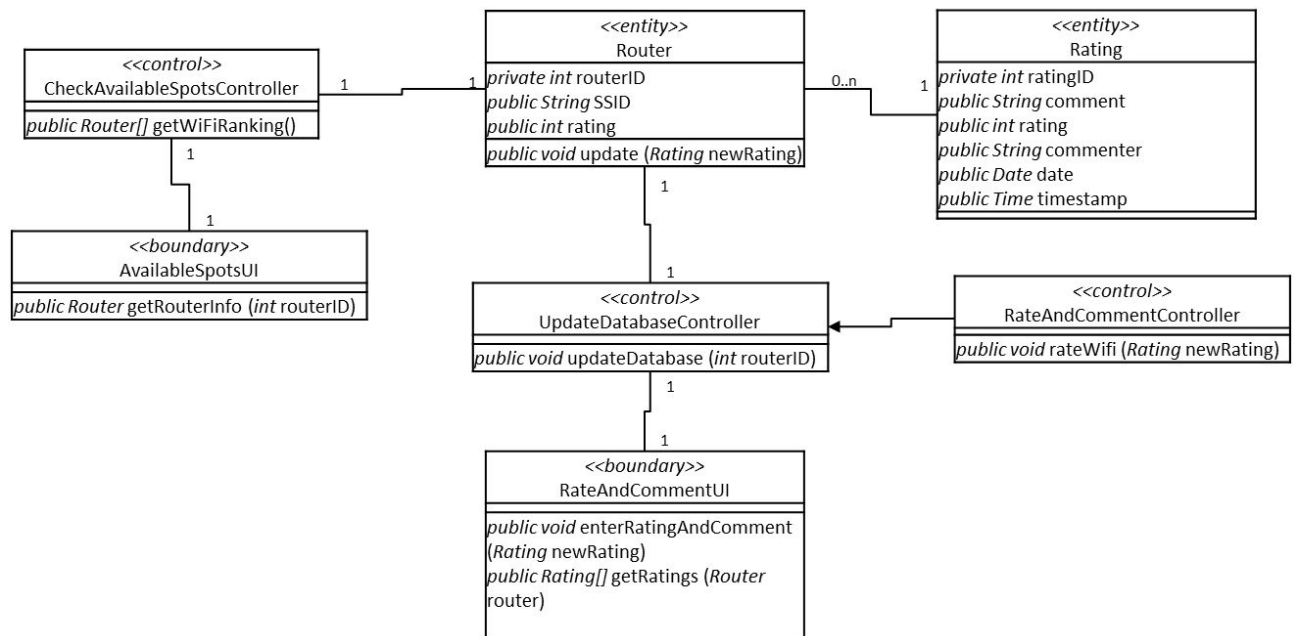
In partial fulfillment of Academic Requirements
for the course
CS 191 Software Engineering I
of the
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Revision Control

History Revision:

<i>Revision Date</i>	<i>Person Responsible</i>	<i>Version Number</i>	<i>Modification</i>
11/15/16	Miguel Posadas	1.0	Initial Document
11/16/16	Zechariah Jimenez	1.1	Described classes and source files;

Data Design:



Data Access Object (DAO) Classes:

Class Name	Description
CheckAvailableSpotsController	<ul style="list-style-type: none">• Controller for checking available spots• Gets the Wi-Fi rankings and displays their info
UpdateDatabaseController	<ul style="list-style-type: none">• Controller for generally updating the database
RateAndCommentController	<ul style="list-style-type: none">• Controller for rating and commenting on Wi-Fi spots• Gets Wi-Fi info• Collects rating and commenting info and sends to server

TransferObject Classes:

Class Name	Description
Router	<ul style="list-style-type: none">• class of routers that can be searched• includes location and strength• may include average rating
Rating	<ul style="list-style-type: none">• rating for wifi• contains comment info

List of Data Source:

File Name: routers.sql

Description: This file contains known routers and information about them (e.g. rating)

Sample Source File:

ID	Name	SSID	Rating
1	DILNET	DILNET	3.0
2	ENGGNET	ENGGNET	3.5
3	MyWifi	MyWifi-1234	4.5
4	YourWifi	MyWifi-5678	5.0

File Name: ratings.sql

Description: This file contains all ratings and comments given by users for certain Wi-Fi spots

Sample Source File:

Rating ID	Wifi ID	Comment	Rating	Commenter	Time Stamp	Date
1	1	Lorem ipsum	3.0	DolorSitAmet	11:00 PM	Oct 2, 2016
2	1	Maayos siya	3.5	Keme	11:59 AM	Oct 4, 2016
3	3	Ambagal	4.5	aQoUh_slh_z AhK	04:00 PM	Oct 5, 2016
4	2	Bat may proxy :((5.0	AyawSaProxy 123	05:35 PM	Oct 5, 2016