SARAPP

(Search and Rate Application
of Food Places in UP Diliman)

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:
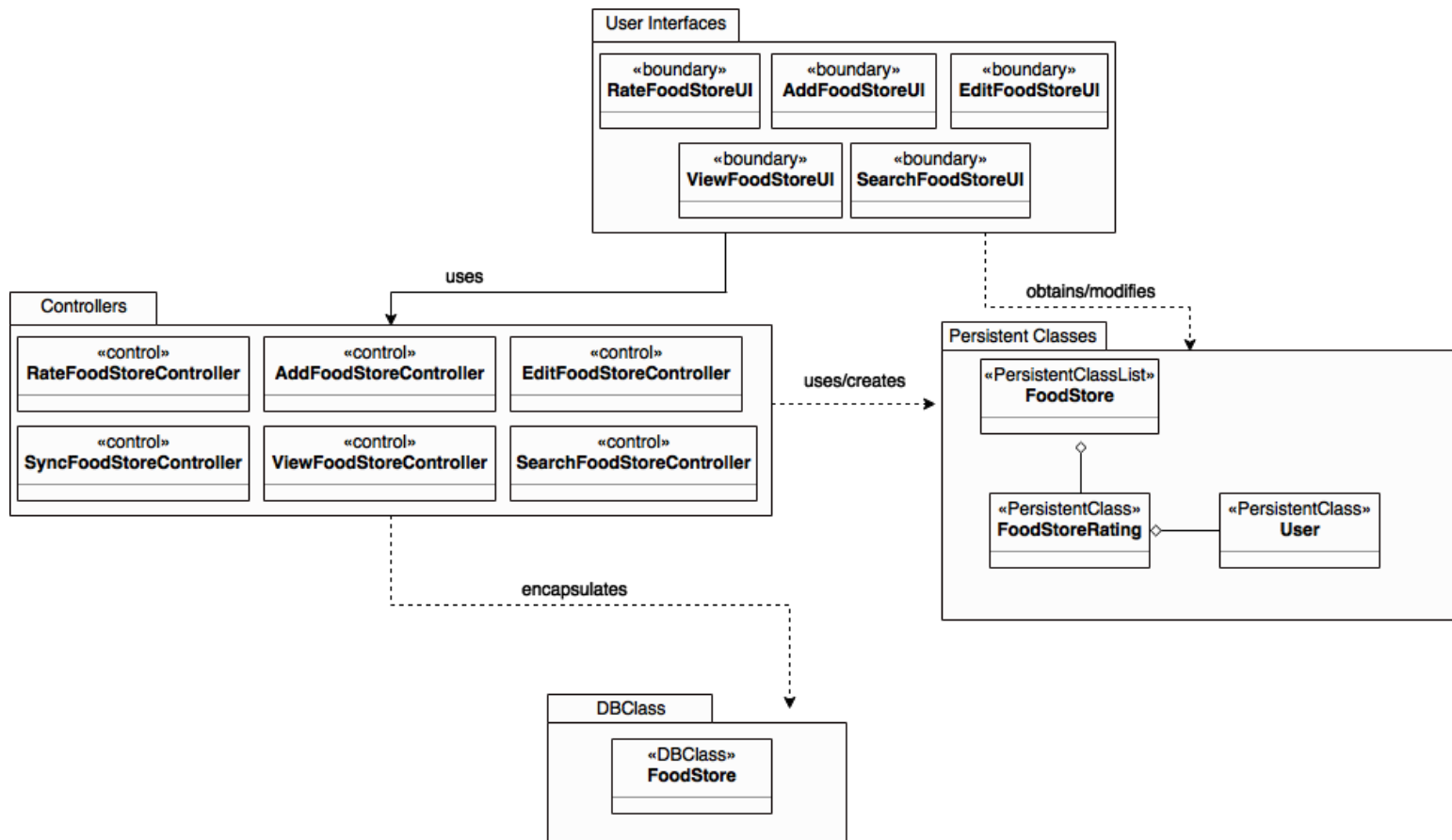Angelika Galang
Julian Troy Valdez
Richelle Yap

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Revision Control

History Revision:

Revision Date	Person Responsible	Version Number	Modification
11/20/17	Angelika Galang	1.0	Initial Document; Data Design Diagram, DAO Classes
11/21/17	Richelle Yap	2.0	Database Tables, Transfer Object Classes

Data Design:

User Interfaces

«boundary» **RateFoodStoreUI**	«boundary» **AddFoodStoreUI**	«boundary» **EditFoodStoreUI**

«boundary» **ViewFoodStoreUI**	«boundary» **SearchFoodStoreUI**

uses

obtains/modifies

Controllers

«control» **RateFoodStoreController**	«control» **AddFoodStoreController**	«control» **EditFoodStoreController**
«control» **SyncFoodStoreController**	«control» **ViewFoodStoreController**	«control» **SearchFoodStoreController**

uses/creates

Persistent Classes

«PersistentClassList» **FoodStore**

«PersistentClass» **FoodStoreRating**

«PersistentClass» **User**

encapsulates

DBClass

«DBClass» **FoodStore**

Data Access Object (DAO) Classes:

Class Name	Description
RateFoodStoreController	This control class allows the User to add a rating to a store's food quality, pricing, service, and ambience.
AddFoodStoreController	This control class is responsible for letting the Admin add a new instance of a food store along with the necessary information.
EditFoodStoreController	This control class lets the Admin provide new information about the food store to replace previous existing food store information.
SyncFoodStoreController	This control class is performed by the Server to sync data to ensure that information found in the web application is the same as found in the mobile and vice versa.
ViewFoodStoreController	This control class allows the both the User and the Admin to view food stores' available information.
SearchFoodStoreController	This control class can be performed by the User to search a food store from the list of existing food stores in the database.

TransferObject Classes:

Class Name	Description
FoodStore	FoodStore table contains information about a food store's id, name, location, cuisine type, current sum of all the ratings of the food store with the id, number of ratings in that food store, and its Sarrap rating (average rating of all ratings). This table is modified either when a developer (admin) updates a food store's information or when an anonymous user adds a rating to that store. When an anonymous user adds a rating to that store, the current sum of all ratings, number of ratings, and its SARAPP rating will change accordingly.
User	User table contains information about an anonymous user's id, date_stamp of posting rating, food quality rating, pricing rating, service rating, ambience rating, comment, and average rating. This table automatically records an anonymous user's rating of a food store.
FoodStoreRating	FoodStoreRating table contains records of store id's and the corresponding ratings to that store. This table automatically records the store_id of the rated food store and the user_id of the rating whenever a rating is submitted by the user.

List of Data Source:

Data Source Name: DBSarapp
Description: DBSarapp is a relational database containing three tables: FoodStore, User, and FoodStoreRating. FoodStore table contains information about a food store's id, name, location, cuisine type, current sum of all the ratings of the food store with the id, number of ratings in that food store, and its SARAPP rating (average rating of all ratings). User table contains information about an anonymous user's id, date_stamp of posting rating, food quality rating, pricing rating, service rating, ambience rating, and comment. FoodStoreRating table contains records of store id's and the corresponding ratings to that store.

Sample Tables from the Database:

FoodStore:

store_id	name	location	cuisineType	curr_sum	num_of_rating	sarapp_rating
INT	VARCHAR(250)	VARCHAR(250)	VARCHAR(250)	DECIMAL(1,2)	DECIMAL(1,1)	DECIMAL(1,1)
9999999	X(100)	X(250)	X(250)	5.0	9999999.0	5.0
PK, ND	NN, ND1	NN, ND2				
1	Ate Opel's	UP Alumni Engineers Centennial Hall, Velasquez St.	Photocopier and food store in DCS	0.0	0.0	0.0
2	Mang Larry's Isawa	Arcade, E. Ma. Guerrero, International Center, Church	Home of the famous isaw!	0.0	0.0	0.0
3	Rodic's	Shopping Center	Home of UP's most famous tapsilog.	16.6	4.0	4.2
4	Tilin Asian Street Ki	Corner Lot, 101 J.P. Laurel	Asian street food kitchen.	0.0	0.0	0.0

User:

user_id	date_stamp	food_quality	pricing	service	ambience	comment	average
INT	DATE	SMALLINT	SMALLINT	SMALLINT	SMALLINT	VARCHAR(250)	DECIMAL(1,1)
9999999	YYYY-MM-DD	5	5	5	5	X(250)	5.0
PK, ND	NN	NN, UA	NN	NN, UA	NN, UA		NN
1	2016-10-13	5	5	5	5	Dabest. Kulang ang UP life niyo pag di kayo nakakain dito kahit isang beses.	5
2	2017-03-18	4	3	4	3	Ang mahal ng food para sa akin pero yes masarap naman food nila.	3.5
3	2017-11-16	4	5	5	3	Masarap naman mga ulam dito, especially yung tapsi nila <3. Medyo di ko lang bet yung rice nila.	4.3
4	2017-11-18	4	4	4	3	Masarap yung tapsilog nila, 10/10! Laging puno ng tao rito :'(. Sana mas maraming space.	3.8

FoodStoreRating:

store_id	user_id
INT	INT
9999999	9999999
PK, FK	PK, FK
3	1
3	2
3	3
3	4