

SARAPP sa UP

Search and Rate Application sa UP

Analysis Model

Submitted to:

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In partial fulfillment of Academic Requirements
for the course
CS 191 Software Engineering I
of the
1st Semester, AY 2016-2017

Revision Control

History Revision:

Revision Date	Person Responsible	Version Number	Modification
10/21/16	John Christian E. Sun	1.0	Created and uploaded the initial document.
10/21/16	John Arjude C. Gerona	2.0	Added class descriptions for boundary, control, and entity classes.
10/21/16	Jennie Ron S. Ablog	3.0	Added the diagram to the file. Uploaded pdf to github repository.

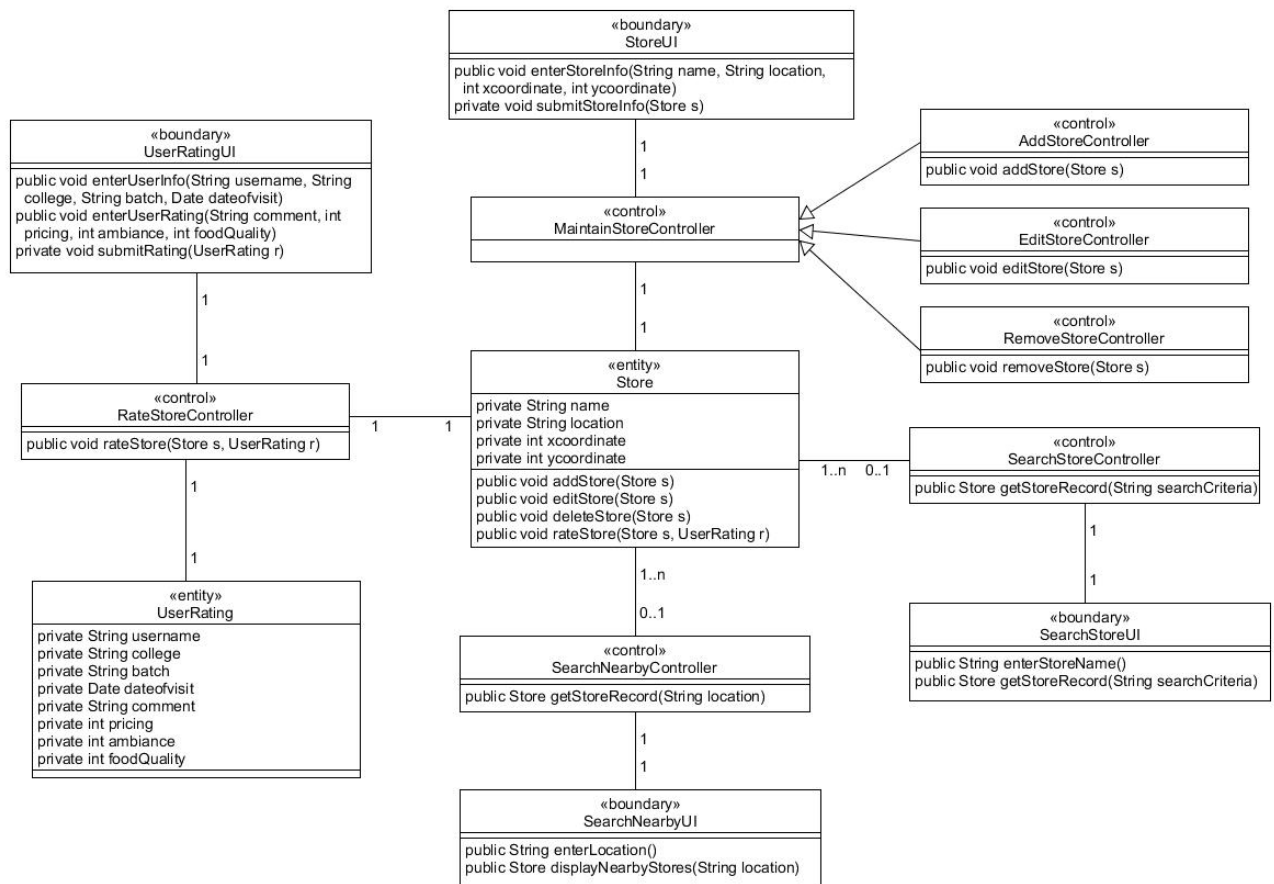
Purpose:

To identify, define and document the analysis classes of the system.

Audience:

This document serves as a partial fulfillment of academic requirements for the CS 191 Software Engineering course, handled by Ma'am Rowena Solamo, to whom this document is made for.

Class Diagram:



System Name: SARAPP sa UP system

Description: SARAPP sa UP is a web application that allows UP students to rate and search for food places around UP Diliman. This application helps students look for food places that match their needs according to budget, location, ambiance, and food quality. This also helps store owners improve their service and get better publicity.

Boundary Classes:

Class Name	Description
UserRatingUI	This interface appears when the user opts to rate a store. In this interface, users can input their own information, which include their name, college, batch, and their date of visit. Users can also enter their rating of the store based on the store's ambiance, pricing, and food quality, and they can also leave a short review of the store.
StoreUI	This interface contains the store's information which includes its name, location, and x and y coordinates.
SearchStoreUI	This interface lets the User search for a specific store by inputting the store's name.
SearchNearbyUI	This interface allows the User to search for stores near the User's location by entering the User's own location.

Control Classes:

Class Name	Description
AddStoreController	This control class can be performed by the Admin in order to add a new store to the system database.
EditStoreController	This control class can be performed by the Admin in order to edit a store's information.
RemoveStoreController	This control class can be performed by the Admin in order to delete an existing store from the system database.
RateStoreController	This control class is responsible for letting the User add their own ratings of a store.
MaintainStoreController	This control class allows the Admin to add, edit, or delete a store's data from the database.
SearchStoreController	This control class allows the User to search for a specific store.
SearchNearbyStoreController	This control class allows the User to search for nearby stores depending on the User's location.

Entity Classes:

Class Name	Description
UserRating	This entity contains the user's name, batch, college, and date of visit, as well as the user's rating of the store, which includes the numerical rating of the store's ambiance, pricing, and food quality.
Store	This entity contains a store's information which includes its name and location, as well as its x and y coordinates (which will be used when the user searches for a nearby store). The Admin uses this entity to add, edit, and delete a store's data from the database.