

SARAPP sa UP

(Search and Rate Application sa UP)

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:

Jennie Ron S. Ablog
John Arjude C. Gerona
John Christian E. Sun

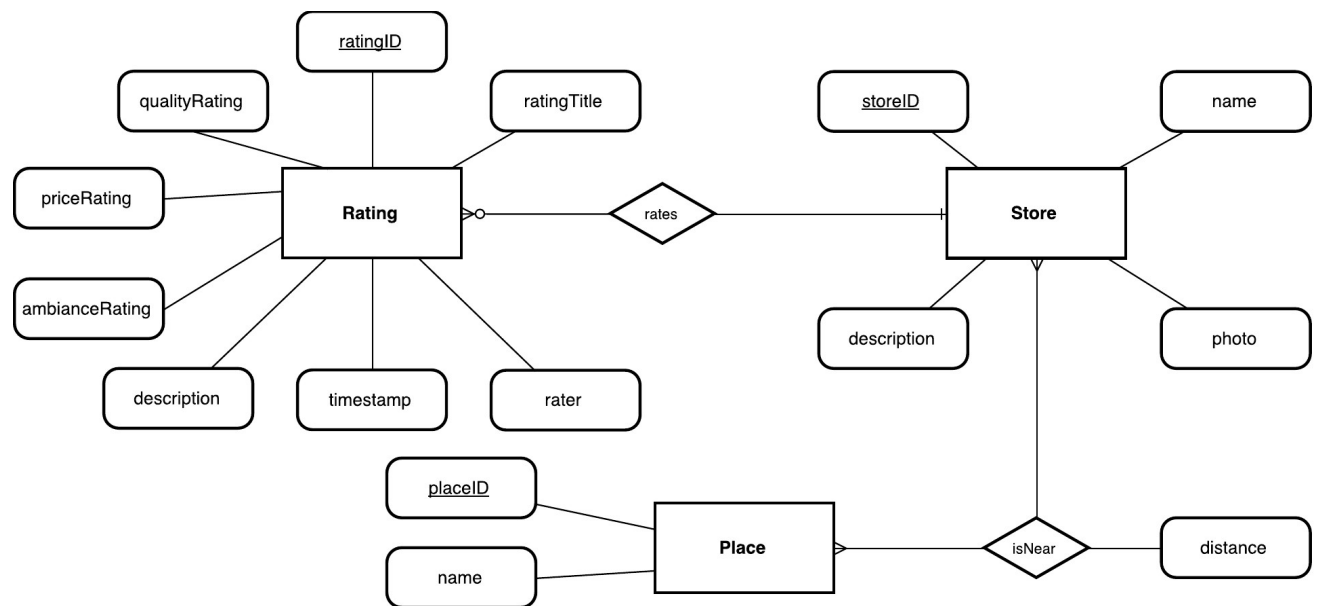
In partial fulfillment of Academic Requirements
for the course
CS 191 Software Engineering I
of the
1st Semester, AY 2014-2015

Revision Control

History Revision:

| <i>Revision Date</i> | <i>Person Responsible</i> | <i>Version Number</i> | <i>Modification</i> |
|---------------------------------|--------------------------------------|----------------------------------|---|
| 11/18/16 | Jennie Ron S. Ablog | 1.0 | Uploaded the initial document with the class diagram. |
| | | | |

Data Design:



Data Access Object (DAO) Classes:

| Class Name | Description |
|------------|-------------|
| | |

TransferObject Classes:

| Class Name | Description |
|------------|-------------|
| | |

List of Data Source:

Data Source Name: [Filename of Database Name]

Description: [Description of the data source]

Sample Source File:

```
root:!:0:0:::/usr/bin/ksh
```

```
daemon:!:1:1::/etc:
```

```
bin:!:2:2::/bin:
```

```
sys:!:3:3::/usr/sys:
```

```
adm:!:4:4::/var/adm:
```

```
uucp:!:5:5::/usr/lib/uucp:
```

```
guest:!:100:100::/home/guest:
```

```
nobody:!:4294967294:4294967294::/:
```

Sample Tables from the Database:

STORE

| Number | Name | Address |
|--------------------|----------------------------|---------------|
| SMALLINT | VARCHAR(250) | VARCHAR(250) |
| 99 | X(250) | X(250) |
| PK, UA, ND1 | NN, ND1 | |
| 10 | GangStore in Alabama | Alabama |
| 20 | GangStore in West Virginia | West Virginia |
| 30 | GangStore in North Dakota | NorthDakota |

EMPLOYEE

| Number | LastName | FirstName | MiddleName | Store | Manager | Date_Hired |
|---------------|--------------|--------------|------------|---------------|----------|---------------|
| SMALLINT | VARCHAR(100) | VARCHAR(100) | CHAR(4) | SMALLINT | SMALLINT | DATE |
| 9999 | X(100) | X(100) | X(100) | 99 | 9999 | Mon dd, yyyy |
| PK, UA | NN | NN | | NN, FK | | NN, NC |
| 5001 | Cruz | Juan | Martinez | 10 | 5000 | Dec 25, 2005 |
| 5002 | Enriquez | Sheila | San Pedro | 10 | 5001 | Jun 4, 2008 |
| 5003 | Ferrer | Grace | Atienza | 20 | 5000 | Jan 16, 1997 |
| 5004 | Franz | Jane | Solamo | 20 | 5003 | Jan 4, 1998 |

ITEM

| Code | Description |
|---------------|---------------|
| SMALLINT | VARCHAR(250) |
| 99 | X(250) |
| PK, UA | NN |
| 1001 | Wheat Germs |
| 1002 | White Peppers |
| 1003 | Iodized Salts |
| 1004 | Oregano |
| 1005 | Basil Leaves |