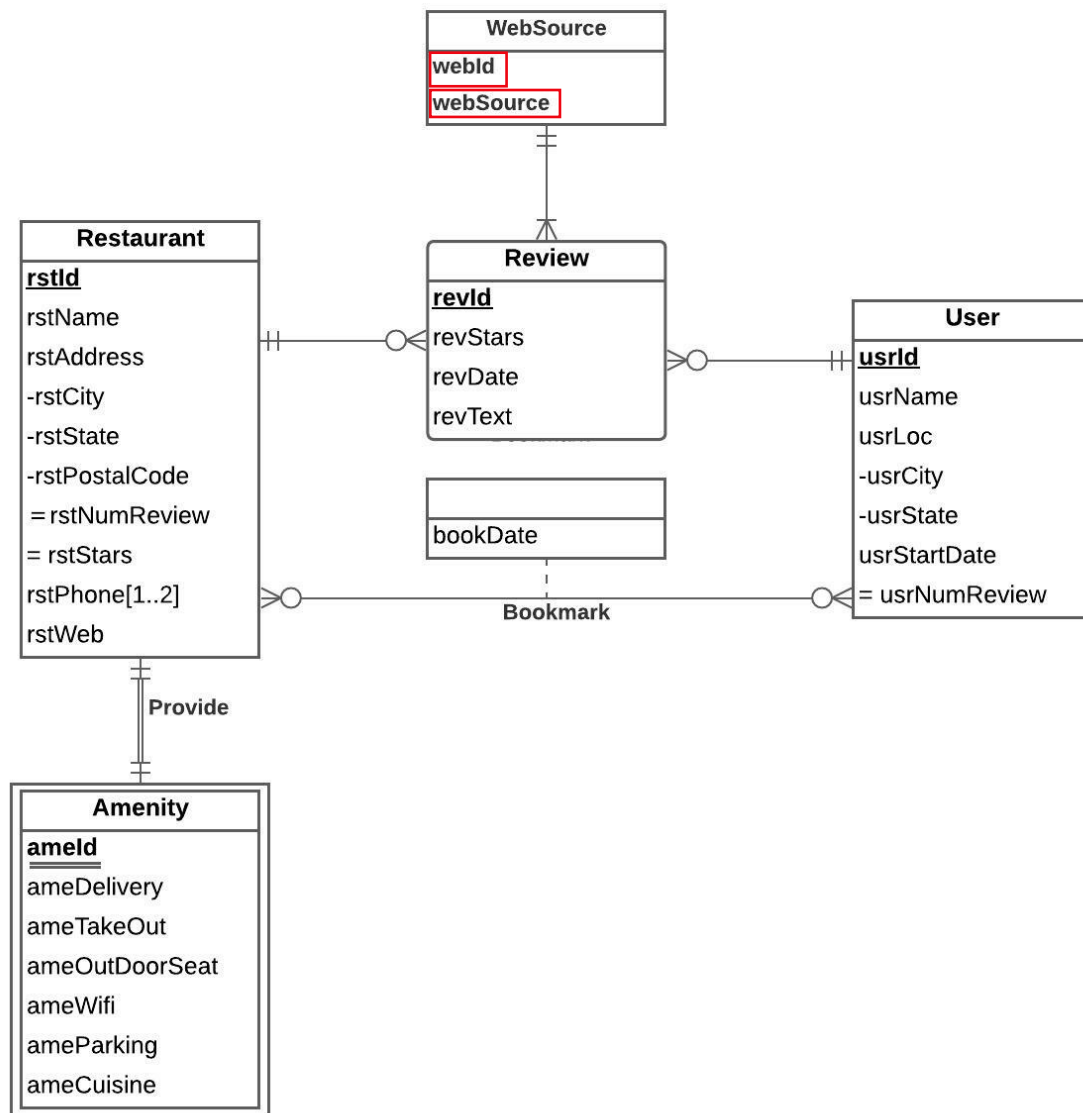


Project_0506_02_Draft

ER Diagram:

Van Munchers Inc.



ER Schema:

Restaurant (**rstId**, rstName, rstAddress, -rstCity, -rstState, -rstPostalCode, rstWeb, rstPhone[1..2], =rstStars, =rstNumReview)

User (**usrId**, usrName, usrLoc, -usrCity, -usrState, usrStartDate, =usrNumReview)

Websource (**webId**, webSource)

Amenity (**ameId**, ameDelivery, ameTakeout, ameOutdoorSeat, ameWifi, ameParking)

Relationships:

Bookmark (bookData): binary relationship

- 1 user to 0 or more restaurants

- 1 restaurant to 0 or more users

Review (revId, revDate, revStars, revText): ternary relationship

- 1 user and 1 restaurant to 1 or more web sources

- 1 user and 1 websource to 0 or more restaurants

- 1 restaurant and 1 websource to 0 or more users

Provide (): binary relationship

- 1 restaurant to 1 amenity

- 1 amenity to 1 restaurant

business processes/transactions:

Each Restaurant is described by a unique ID, name, address (consists of city, state, and postal code), number of reviews and stars of the restaurant as well as phone numbers and website.

Each Review is described by a unique Id, stars of the review, date of the review, and the text of the review.

Each Webservice is identified by its unique Web ID and Webservice.

Each Webservice can have zero to many Reviews while each Review can belong to one and only one Webservice.

Each Amenity is described by a unique ID and whether or not it provides a delivery option, a takeout option, an outdoor seating, wi-fi, a parking space or a particular cuisine.

Each restaurant is described by one and only one set of amenities, and each set of amenities is identified by one and only one restaurant.

Each Restaurant can have zero to many Reviews whereas each review can only be identified by one restaurant.

Each User is described by a unique Id, the name of the user, the location where the user is (consists of the city where the user is, the state where the user is), date of the review written by the user and number of reviews written by the user.

Each User can bookmark zero or many restaurants and each restaurant can be bookmarked by zero or many users.

Each User can write zero or many reviews, but each review can be identified by only one user.