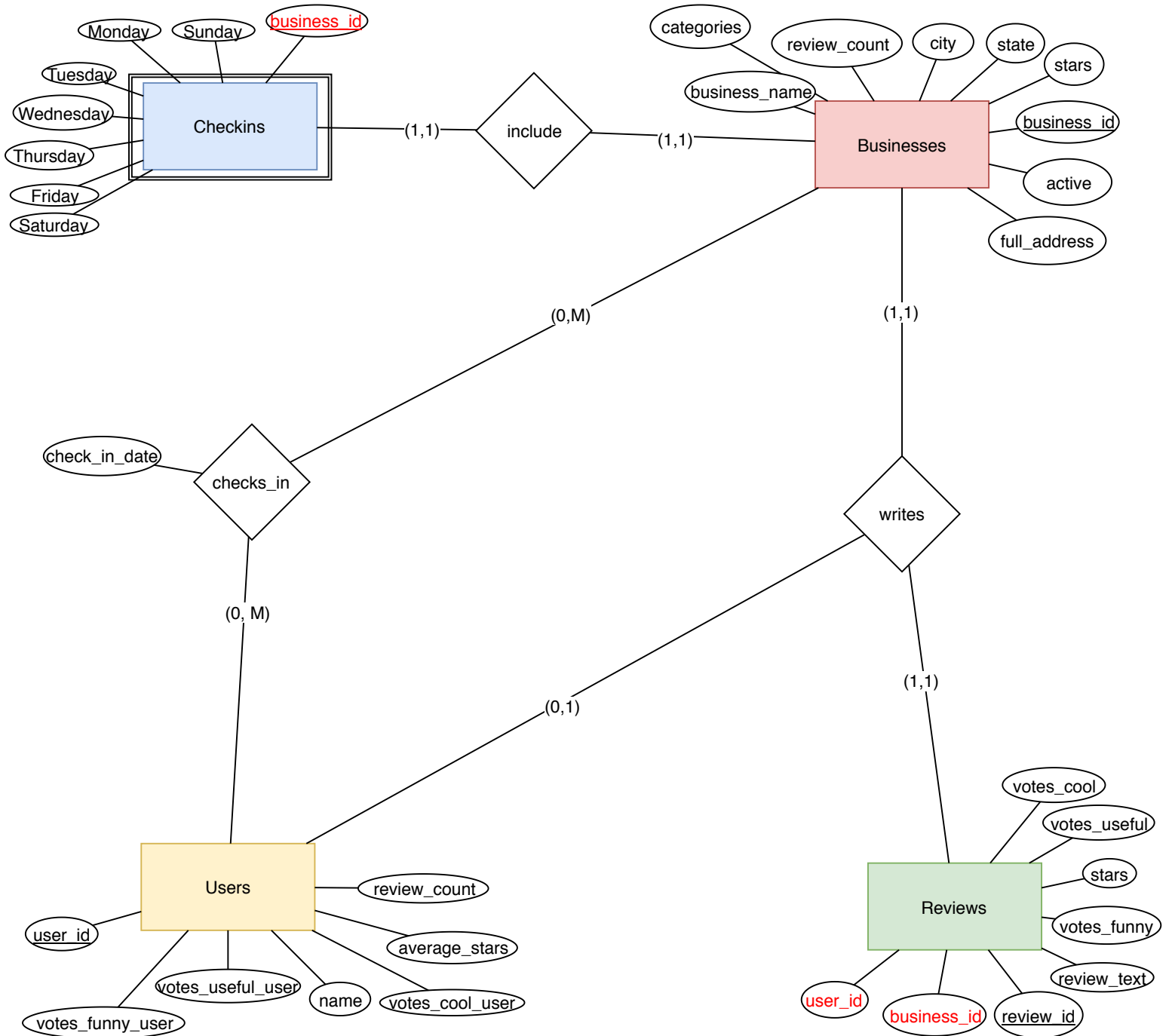


PA1 Task 1: ER Diagram
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For this ER-diagram, we have decided to have 4 entities based on the 4 different cvs files that were given. We cleaned the data such that the checkin's consist of the different days that user has checked into the business.

Our check-in entity is a weak entity owned by business because it's primary key is uniquely identified by the business. A checkin cannot exist without a business. There's a one to one relationship and total participation between the business and checkin.

We included a ternary relationship between user, review and business in order to associate the author (user) and the correspondent (business) to the review. Our checks-in relationship includes the date of check in attribute to allow multiple checks-ins by the same user.

The primary key's are {business_id for business entity}, {review_id for review entity} and {user_id for user entity}. Since check_ins is a weak entity, it's primary key is {business_id}.