



Project_0503_01_Design: Housing Reviews around College Park

Determine a meaningful brand name for your project:

Dream Living

Describe business processes/transactions in sentences:

Dream Living will show ratings for apartment complexes around College Park, MD. Users will be able to see reviews for specific apartments along with their related management companies. They will be able to see reviews from multiple different sources such as Google, apartmentratings.com, etc. Apartments are managed by one company. There are reviewers who will write reviews either on a specific apartment on each review source. Also, the review platform collects information about apartments.

Identify at least four entity types:

- 1) Entity 1 : ManagementCompany
- 2) Entity 2 : Apartment
- 3) Entity 3: Reviewer
- 4) Entity 4 : ReviewPlatform

ER schema:

Entities, Attributes and Primary Keys

- ManagementCompany (**mgtId**, mgtName, mgtAddress, -mgtStreet, -mgtCity, -mgtState, -mgtZipCode, mgtPhoneNumber)
- Apartment (**aptId**, aptName, aptAddress, -aptStreet, -aptCity, -aptState, -aptZipCode, aptPhoneNumber)
- Reviewer (**rvwId**, rvwName)
- ReviewPlatform(**pltId**, pltName)

Relationships, Attributes, Degrees, Participating Entities and Constraints

- Manage: Binary
 - 1 ManagementCompany to 1 or more Apartments
 - 1 Apartment to 1 ManagementCompany
- Collect: Binary
 - 1 platform to 0 or more Apartments
 - 1 Apartment to 0 or more ReviewPlatforms
- Review: Ternary
 - 1 Reviewer and 1 ReviewPlatform to 0 or more Apartment
 - 1 Apartment and 1 Reviewer to 0 or more ReviewPlatform
 - 1 Apartment and 1 ReviewPlatform to 0 or more Reviewer

Design an ER diagram on Lucidchart – shareable to adamlee@umd.edu:

