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TASK 1: The requirements document as a PDF and UML.

Problem: Dining hall food on college campuses usually suck. But what if people who ate the food throughout the day rated the food so future people eating later in the day could decide if they want to go spend money/food swipes on the dining hall food.

Objectives: Build a database that stores a list of colleges and dining halls and food that each college has. Students can make their own account and rate food from dining hall from 1-5 stars. Over time, people can know what dishes are the best/worst and what times/days dishes are usually served.

Nouns: college, city, address, dining hall, food, students, date,

Verbs: rating, commenting, serving, attend

Rules:

1. One college can have many dining halls
2. One dining hall can only be in one college
3. One college can only have one address (one campus)
4. One college can have multiple students
5. One student can only attend one college
6. Each dining hall can have multiple food dishes
7. Each food dish is unique to a dining hall (one food dish only can be in one dining hall)
8. Each food dish can have multiple servings (a food dish can be served more than once)
9. Users can comment and rate multiple foods but can only rate one serving once
10. Food ratings must be an integer from 1 to 5
11. Food meal times can be classified as breakfast, lunch and/or dinner
12. Food types can be classified as only vegan, vegetarian, gluten-free, or diet restriction

