

Sample Project 1

The requirements and constraints of the ER diagram describing Meal Plan for MSU student/employee is given below:

① Student / Visitor (Entity)

Attributes: MSUID, Name

Primary key: MSUID (Key attribute)

② Location (Entity)

Attributes: Address, Hours, Name/Restaurant, Zip-Code

Primary key: Address

③ GPS (Weak Entity)

Attributes: Miles, Time

Primary key: Miles

④ Meal Plan (Entity)

Attributes: Meal, Price, Name

Primary key: Meal

⑤ Account (Entity)

Attribute: AccountID, Payment

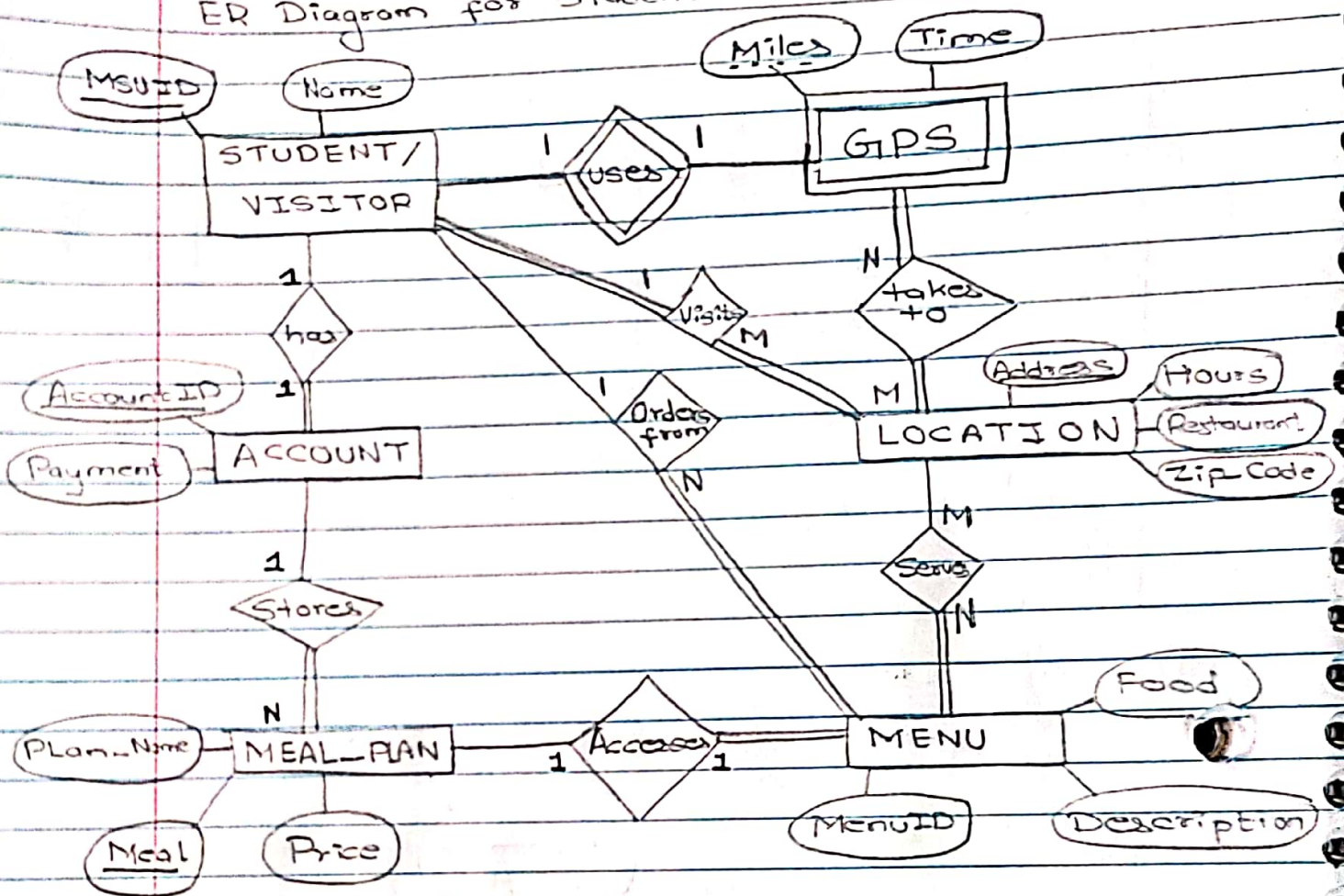
Primary key: AccountID

⑥ Menu (Entity)

Attributes: MenuID, Food category, Description

Primary key: MenuID

ER Diagram for Student Meal Plan MSU



Assumptions:-

- * Every student has an account.
- * Account (all) stores meal plan and all meal plan has menu.
- * Not every student uses GPS to access the Location.
- * Different location has different menu.
- * Student orders from Menu.