Speed Eats Delivery

# Overview

Our premise is a food delivery company primarily serving customers from an app that accepts payment in the form of US Dollars. We talk to restaurants to have special racks set up for the drivers to -pick up the food. We also talk to Credit Card companies and other payment providers to accept payment from them. A customer will place an order or request and the driver will deliver the food accordingly.

# Business Rules – We stole from Door Dash and Uber Eats then made improvements

1. A Customer files a Request
2. Request in a Regional Department
3. Driver is assigned the request from the regional department
4. Based on distance from the requested restaurant.
5. The customer pays on the app, through a payment provider before the food arrives.
6. Business customers have priority over regular customers.
7. A request can only have one customer unless it is a business customer.
8. A driver accepts payment from one customer and only one customer
9. A driver drives to a restaurant provided in the request then drives to the customer.
10. Business customers can have many requests.
11. A restaurant can have many menus
12. A menu can only have one restaurant.
13. A customer can have many payments
14. A payment can only have one customer
15. A request can only have on customer
16. A regional department can have many drivers
17. A driver can only belong to one regional department
18. A customer selects from a menu to fill a request
19. A restaurant can have many drivers
20. A request can have one payment
21. A customer can be a priority customer in exchange for an extra charge

# Entities

1. Driver
2. Restaurant
3. Request
4. Payment
5. Business Customer
6. Selection
7. Menu
8. Regional Department