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Name of the assignment: Select a capstone priorject from Gittub and dreaw & Explain DFD. Use case and the object diagreem of that system.

Answert:

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select project: food delivercy system

A food delivery system is a popular capstone prioject that allows users to order food from restaurants, track their delivery and manage menus. For this example, I will assume a system with the following features:

- 1. USLIR registration and login.
- 2. Browse restaurant menus and place food order.
- 3. Treack the status of oredens (preparing, out for delivery, deliversed)
- 4. Admin manage reestaurants, menus and delivery Staff.
 - 5. Delivery penson update the order status.

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1. Data Flow Diagram (DFD);

Level 0: Context Diagram

> Entities:

- · USER
- · Admin
- · Restaurant
- · Delivery person

> Processes:

- · Oredere food
- · Manage menu/ restaurants
 - · Deliverry food

> Data Stores;

- · userc database
- · Orcden database
- Menu database

Level 1: Detailed process breeakdown

-) Processes:

- · User Browses Menu: Fetch menu item from the database
- · place oreden: save the oreden details into the orden database
- · Assign Deliverry: Admin assigns oredens to delivery persons.
- : User checks the status of the · Treack Oreden oreden.

2. Use case diagram.

+ Actores:

- · Usen; Browses the menu, places an oreden, treacks deliverry.
- · Admin: update Manages restaurcants, menus and assigns deliverey staff.
- · Delivery penson: Not update delivery status.
- · Restaurant owner: update the menu details.

-) USE cases:

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- · Login/pegisten (all actors)
- · Browse Menu (userc)
- · Place orcden (usen)
- · Manage Menu (Admin/Restaurcant owners)
- · Assign Delivery (Admin)
- · Update Delivery Status (Delivery Denson)
- · Treack oreden (usen)

3. Object diagram:

An object diagram represents the system's state with specific objects at a point in time. For the food Delivery system, Objects and reladionships might includes:

- > Objects:
 - Usen: Attributes include name, email, address.
 - Menu: Attributes include itemName, price, restaurant ID
 - · Oreden: Attributes include oredenID, oreden status, deliverryPenson.
 - Delivery Penson: Attribute includes name, contact
 - = Restaurcount : Attribute includes restaurcont Nome, location.
- > Relationships:
 - A user places one on more orders
 - An order has one Deliveryperson
 - An restaurcant provides one on more Meno items. Calmba I Kamilocrapies A. aser Carvilland substantial Esperitoria of singuis

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