

Project Design Phase-II

Data Flow Diagram & User Stories

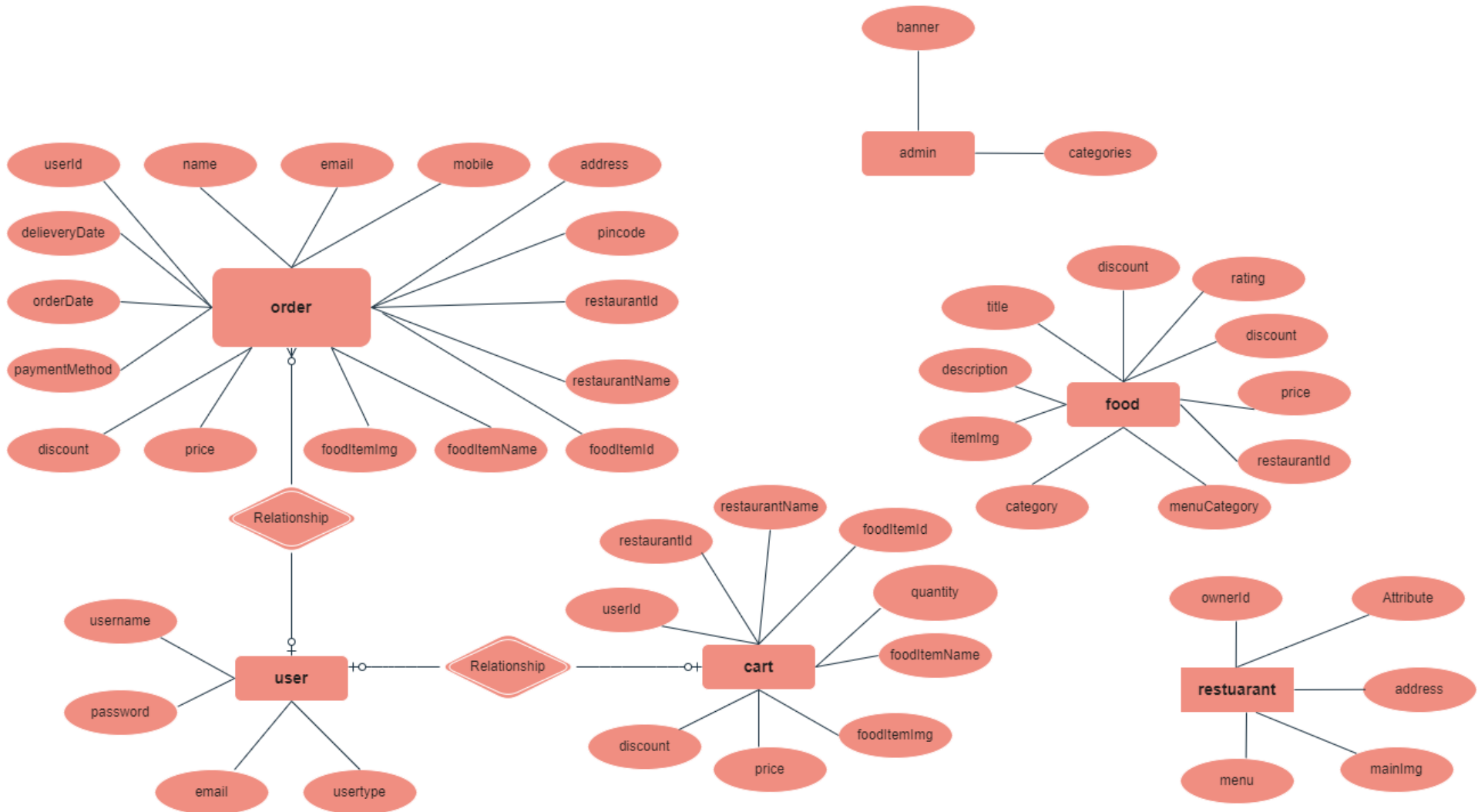
Date	03 February 2026
Team ID	LTVIP2026TMIDS79872
Project Name	OrderOnTheGo: Your On-Demand Food Ordering Solution
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) visually represents the information flow within the SB Foods system, showing how data moves between users, the application logic, and the database.

Key Data Flows in SB Foods:

- **User Input:** Customers provide login credentials and order selections.
- **Real-time Data:** The system fetches current menu availability and pricing from the database.
- **Central Server:** The Node.js/Express backend processes orders and handles authentication.
- **Reports & Dashboard:** The Admin and Restaurant owners receive order analytics and sales reports.



User Stories:

These user stories define the functional requirements for different users within the SB Foods ecosystem.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Customer	Food Discovery	USN-1	As a user, I can browse a comprehensive catalog of food items.	I can filter items by category and see prices clearly.	High	Sprint-1
Customer	Order Management	USN-2	As a user, I can add items to a cart and place an order.	I receive an instant order confirmation screen.	High	Sprint-1
Customer	Secure Payments	USN-3	As a user, I can pay for my order securely via digital wallet.	Payment is processed via a secure third-party API.	Medium	Sprint-2
Restaurant	Menu Control	USN-4	As a restaurant owner, I can add or edit my food listings.	Changes reflect instantly in the customer UI.	High	Sprint-1
Admin	User Management	USN-5	As an admin, I can manage user accounts and restaurant approvals.	Admin can activate or suspend accounts from the dashboard.	Medium	Sprint-2
Admin	Sales Reports	USN-6	As an admin, I can generate weekly reports on total sales and orders.	Reports can be viewed or downloaded as a summary.	Medium	Sprint-2

References

1. C4 Model for Visualizing Software Architecture: <https://c4model.com/>.

2. **Agile User Story Guidelines:** <https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d>.