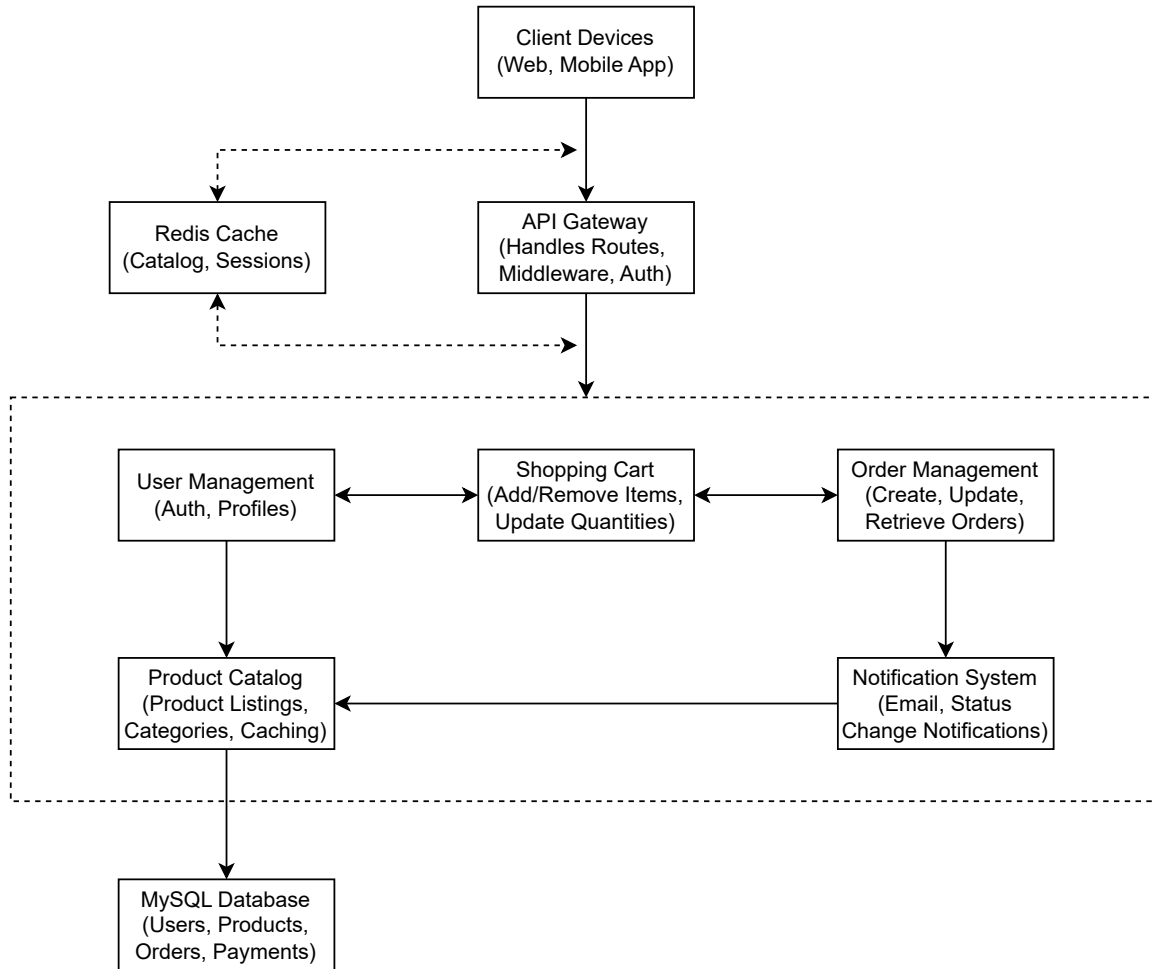


Scalable eCommerce Application

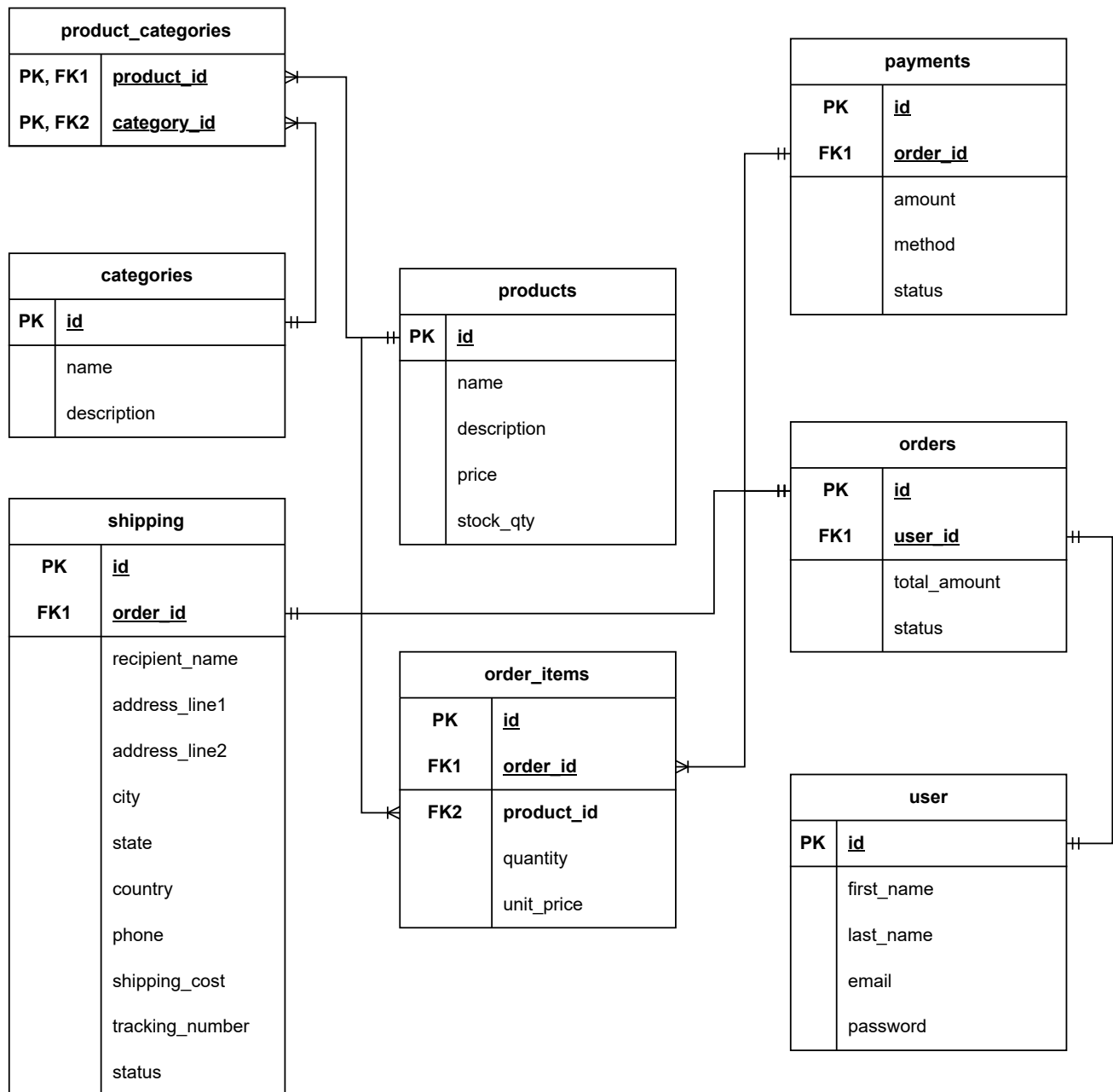
Architecture diagram [v1.0]



- **API Gateway:** Acts as the entry point for all requests and manages routing, JWT authentication, and rate limiting and interacts with all modules to route incoming requests.
- **Redis Cache:** Used for caching product catalogues and session data for improved performance.
- **MySQL Database:** Serves as the persistent storage for users, products, orders, and payments.

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An Entity Relationship (ER) Diagram [v1.1]



- All the tables will have the timestamp fields (created_at/updated_at)
- Tables will have the deleted_at field as well