**Li XuDong, Cao Kuangzheng, Qiu Yuyue**

**Basic Tasks:**

1. **Research Real-World Database Examples**:
   * Choose examples like Netflix for streaming, Amazon for e-commerce, or a banking application.
2. **Design Database Solutions**:
   * For each example, identify whether the data is structured, semi-structured, or unstructured. Choose a database type based on factors like scalability, data model flexibility, and consistency.

**Medium Tasks:**

1. **Comparison Table of Relational vs. NoSQL**:
   * **Relational DB**: MySQL, PostgreSQL. **NoSQL DB**: MongoDB, Cassandra.
   * Benefits and limitations of each (e.g., NoSQL for flexibility and horizontal scaling, Relational for complex querying and strong consistency).
2. **Features Comparison**:
   * Create a table comparing features like schema flexibility, ACID compliance, scalability, performance, and complexity.