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**"****Library Database System"（I）**

**Based on Access Database and SQL**

**Course Code：ISOM3000(003)**

**Course Title：Database Management**

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1. Database data structure：图形用户界面, 图示

   描述已自动生成
2. ER Diagram of Library Database System

图示

描述已自动生成

1. Business Rules

（1）A student can borrow more than one book  
（2）A book can only be borrowed by one student for a period of time.  
（3）A book can have more than one transaction record  
（4）A book belongs to only one publisher  
（5）A publisher can have more than one book

（6）Each book can only have one publisher  
（7）A transaction record belongs to only one student  
（8）A transaction record contains only one book  
（9）Each transaction record corresponds to only one reader

（10）Each transaction record corresponds to only one book

（11）Each transaction record corresponds to only one employee  
（12）One employee for multiple transaction records