

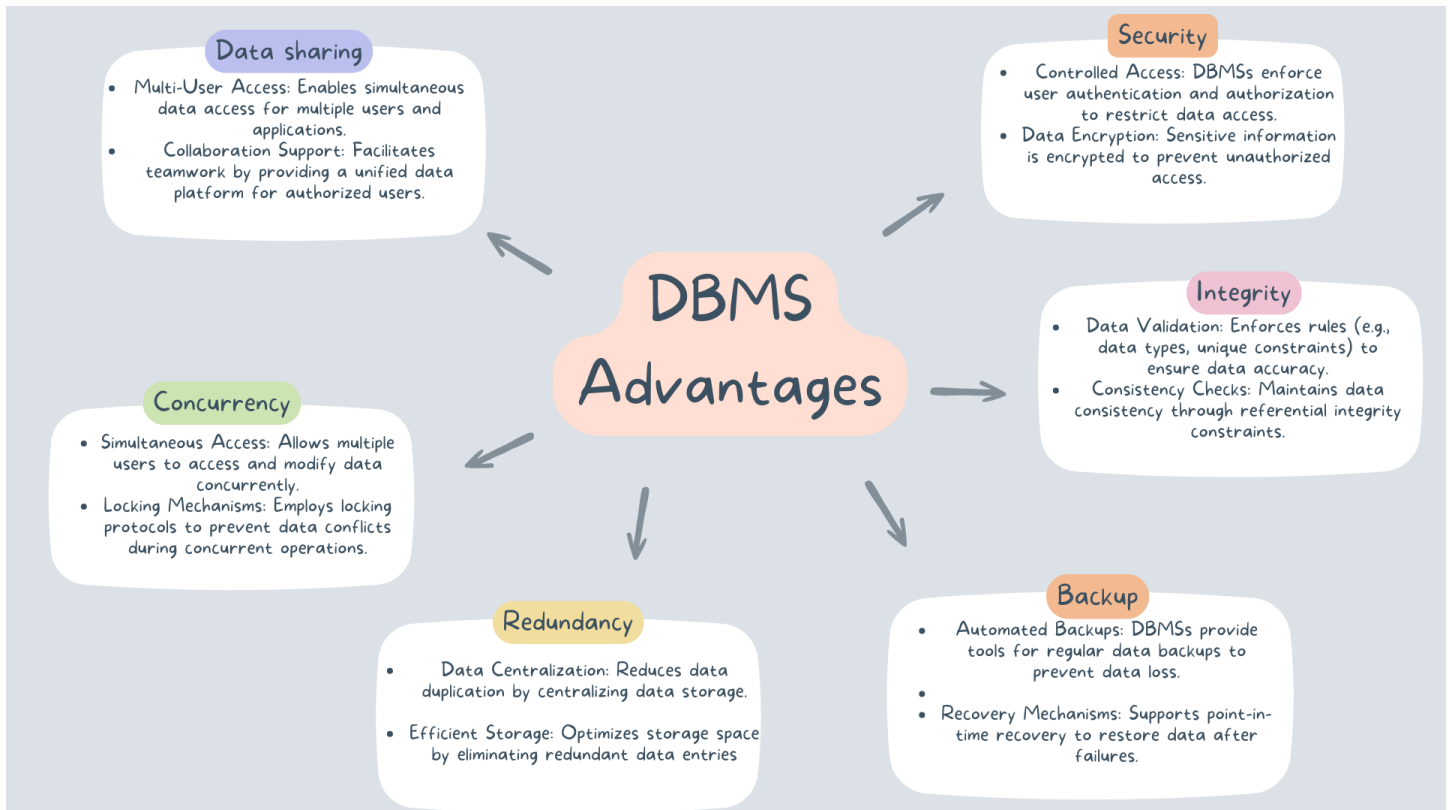
Task 1 (Report)

Database Search and Reporting Task

1. Comparison Assignment

	Flat File Systems	Relational Databases
Structure	stored in a single table or file	Multiple related tables
Data Redundancy	often repeated across multiple records	designed to minimize data redundancy
Relationships	unstructured file without inherent relationships	organize data into multiple related tables using keys
Example usage	Suitable for small scale applications. Ex. storing configuration settings and simple logs.	Ideal for applications requiring complex data relationships. Ex. An online store uses a relational database.
Drawbacks	Limited scalability, Lack of support for advanced querying,	Higher complexity, Requires more resource, Cost and Maintenance

2. DBMS Advantages Mind Map



3. Roles in a Database System

