## Problem 3: Data I would store in a DBMS versus operating system files: Related Data • Structured Data • Well Defined Data

versus operating system files:
Related Data · Structured
Data · Well Defined Data

Data I would store in operating system
files versus a DBMS: · Unstructured
Data · Arbitrary Data · Unrelated

Data • General Data

Advantages of a DBMS: • Consistent
• Durable writing/append to data •
Keeps data structured • Fewer Privacy

risks

Disadvantages of DBMS: • Expensive to maintain and get • Require sophisticated protocols to implement reliable storage. • Size • Needs more overhead to maintain

Advantages of operating system file storage: Cheaper, less overhead required Better for data which does not require the extra guarantees provided by a DBMS such as privacy. Increased data retrieval techniques due to not being restricted by a DBMS.

Disadvantages of operating system file storage: Less Durability (file systems can change easily) No redundancy control Data is isolated and lacks multiple user interfaces Only coordinates physical access



