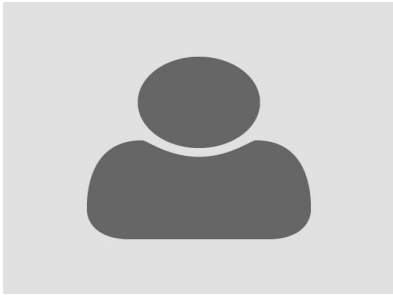


What is DATABASE?

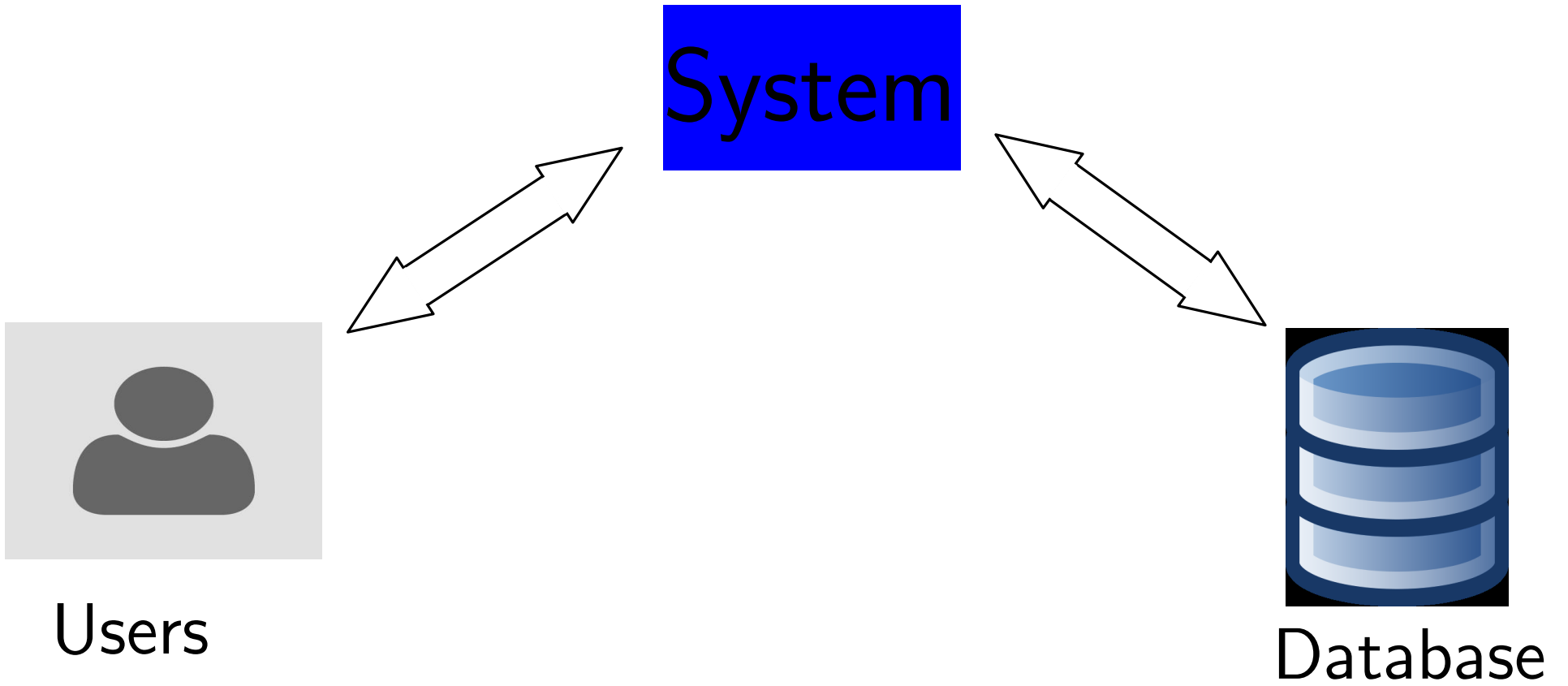
A database is an organized collection of data, stored and accessed electronically from a computer system.

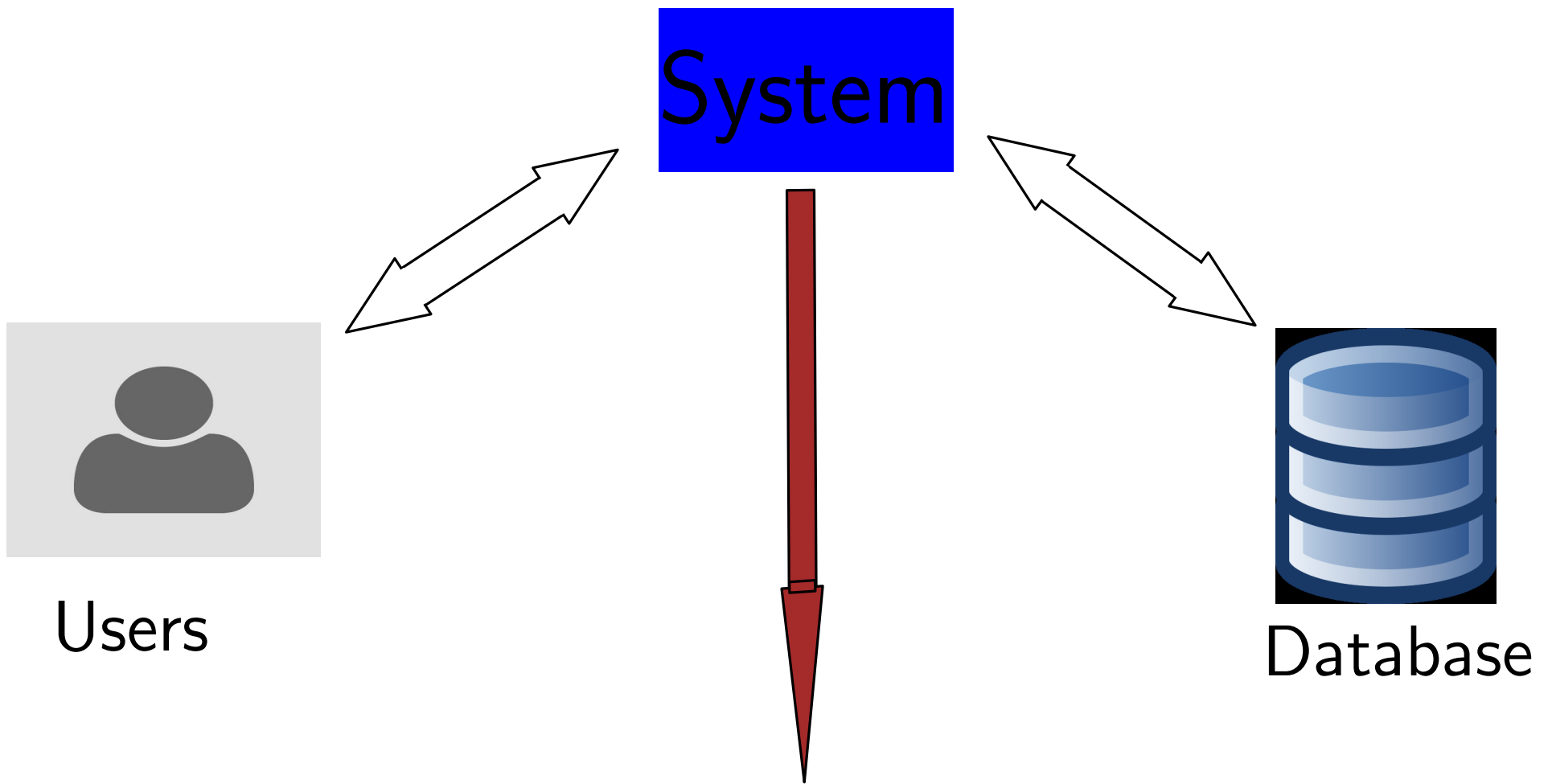


Users



Database





The main focus of this course

System



Database management system (DBMS)

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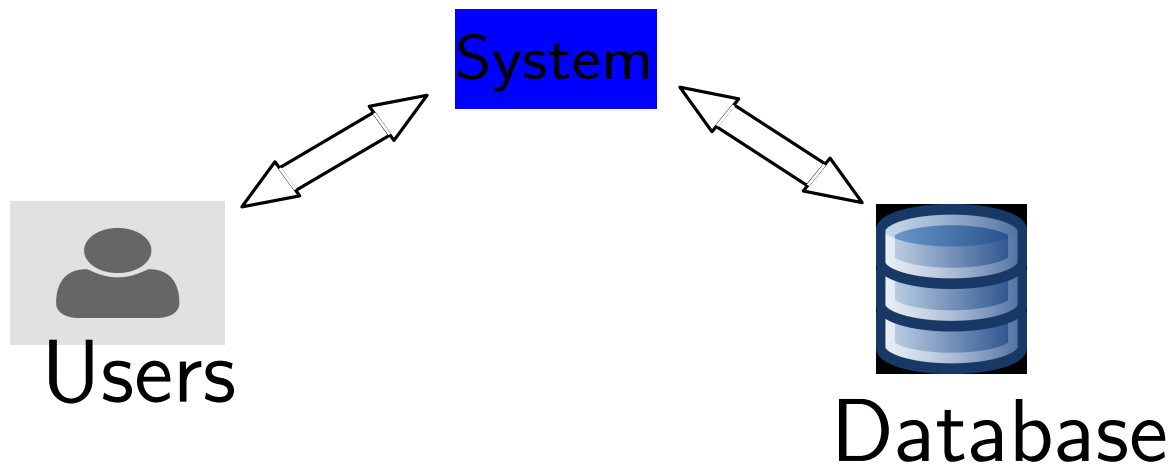
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software system that enables users to define, create, maintain and control access to the database

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Example: Database at Polytech

- For every student, we store ID number , name , adress , and date of birth .
- For every course, we store ID number , name , start and end dates and a short description .

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What is the best way to store those infos?

- files?, many problems... difficult to find and modify information
- Excel? better, but has limited options and storage

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Students			
ID	Name	Adress	Birth

Courses			
ID	Name	Date	Description

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Students			
ID	Name	Adress	Birth

Student S
takes course C

Courses			
ID	Name	Date	Description