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| Team topic: | MongoDB |
| Team members: | Acevedo Valencia, German Alonso  Wang, Shijun  Liu, Yaguang  Lyu, Zongqi  Meng, Zhaohai |
| Research topic for each person: | Introduction & installation  MongoDB overview  Differences between SQL vs NoSQL  Features of MongoDB  Datatypes supported by MongoDB  Install and start MongoDB on Windows System/Mac  **German Alonso**  CRUD operations in shell  MongoDB CRUD operations  Creation & insertion  Read operation  Document updating  Document deletion  **Shijun**  Export & Import |
| Research topic for each person: | Data Modeling(II)  Model Tree Structure  Model specific application contexts  Data model reference  **Zhaohai**  Data Modeling(I)  Introduction  Schema validation  Data Modeling types  **Zongqi**  Data model examples and patterns  Aggregation  Introduction  Aggregation Process  Aggregation Syntax  Aggregation stages  Aggregation accumulators  **Yaguang** |
| Resources: | * <https://docs.mongodb.com/mongodb-shell/> * <https://www.tutorialspoint.com/mongodb/index.htm> * MongoDB: The Definitive Guide, 2nd Edition   By: Kristina Chodorow   * Web Development with MongoDB and Node - Third Edition   By: Bruno Joseph D'mello; Mithun Satheesh   * Udemy: The Complete 2020 Web Development Bootcamp |
| Management Strategy: | Daily meeting on Teams after class  Chat and share materials on Slack whenever necessary |
| Leader: | Yaguang Liu |