**Week 8 Breakout**

Remember to appoint the following:

* + An organizer
  + A scribe
  + A presenter

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Answer the question that corresponds with your group number. If you are not familiar with the subject matter in the question, please feel free to search on the web. Type **DONE** when your team is finished.

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| # | Question | Your team’s response |
| 1 | Describe at least two business cases where a document store, such as Mongo, is most suitable. | Useful for web scraping purposes, which may not fit traditional RDBMS structure, so document based structures work better if the topics change throughout data collection. Audio or visual data from cameras/streaming/sensors, particularly from manufacturing facilities. When column structure changes often, mongodb would be better than RDBMS. DONE |
| 2 | Describe at least two business cases where a key-value pair database, such as redis, is most suitable | Useful for caching web user and web site information. Also, useful for a company requiring the need to render similar information regularly. Lastly, useful for a web site showing up-to-date scores for sports. DONE |
| 3 | How would you configure a robust key namespace architecture for redis? | * Keys should be semantically namespaced * Namespace your keys by application or service – the convention is to use the colon (‘:’) character to delimit parts of the key’s name. ex:pagecache:/home:about   Session:user:username |
| 4 | What privacy and security issues arise when using a document model? | Inability to impose security features like views, stored procedures or access restriction. All info is available in the “document”.  More susceptible to “hacking” as coders can pack query language with methods to reach more sensitive data.  Since data isn’t normalized, in the case of a customer, all their information is available (addresses, phones, emails, etc.) with no way to guard rail.  Encryption: if encryption is required for the file, it must be done before being sent to the db server. Files are not encrypted by default. DONE |
| 5 | What other uses would you describe for a leaderboard, as implemented by redis? Define at least two |  |