- Last week's Points of Action:
  - o Login structure suggestions + discussion
  - o JSON formats to discuss for common standard in Federation
- Login structure must be decentralised – per Ian Gent's email
- Login discussion:
  - o OAuth 2.0 – might work – to implement needs different options for where to login from.
    - ▪ We likely will be able to do full supergroup implementation – i.e. should not face many issues by MVP of OAuth working for some groups and not for others
    - ▪ Testing concern over potential issues (making one website recognise requests from 8 other websites) – but not likely to be a large issue.
    - ▪ Needs redirect URLs
    - ▪ Potential issue: if website #1 is down – but user tries to login to website #2. If Website #1 is down, user registered through #1 won't be able to access #2.
      - • Might just have to accept this trade-off.
    - ▪ If we pursue this – if user comes to new website they are not registered with, then comments (etc) needs to be registered on the website they are registered with.
- File formats:
  - o Puzzle interchange format
    - ▪ Author field – wanted
    - ▪ Ratings / difficulty – unless standardised, we probably might not want that as an attribute
      - • Ratings might be different, etc.
      - • OR: All groups have common Rating object, specified structure defined.
        - o More complicated.
    - ▪ Type of puzzle – needed.
    - ▪ Need to agree on how to structure each puzzle.
      - • For now only sudoku puzzles.
      - • By MVP, we only need to support sudoku, we can add variants after.
      - • Groups can add other variants if they wish, but not necessary yet.
  - o User
    - ▪ Outbox + puzzle history – might be useful later but not necessarily now.
    - ▪ Might want to leave unique identifier implementation for users up to each group
    - ▪ Username likely expected in all implementations – if it isn't already unique identifier
    - ▪ Display names – i.e. chosen name that might not be unique. Different from username.
      - • Optional.
    - ▪ Standard roles across supergroup?
      - • Roles probably don't matter between websites, only matters intra-website.
      - • So likely not needed standard then.
    - ▪ Avatar?

- Also optional.
  - Need common documentation on discussed standards – word? Github?
    - Short list of stuff needed -> extended with extra optional stuff that standard supports but groups might not wish to pursue.
- Point of action:
  - Figure out which API endpoints might be needed, formats for puzzles, format for users.
  - Idea for where to store supergroup documentation, structure, etc.