# Specter Law – Team Challenges

**Legal challenges**

1. Lack of data base
   1. We drafted of 3rd version/further markup of NDA containing further legal adjustments
   2. We researched beck.online for several templates of NDAs including comments and further literature to broaden our legal data base
   3. We prepared a table overview regarding each section of the agreement with columns regarding original version of wording of specific clause, clause category, summary, purpose of clause, potential risk for disclosing party, potential risk for receiving party, comments and improvement suggestions in favor of disclosing party, wording suggestion(s) according to comments and improvement suggestions in favor of disclosing party, comments and improvement suggestions in favor of receiving party, wording suggestion(s) according to comments and improvement suggestions in favor of receiving party
   4. We prepared a very specific prompt to teach the agent the analysis of the clauses and request to do such on its own based on the learned prior input
2. Discussion on Web Development solution vs. Word plugin solution

Decision for primary focus on Word plugin solution due to primary use case for improving drafting efficiency process and access to typical data base in data management system and the usability for this use case given that the primary tool lawyers use for drafting is Microsoft Word and their DMS is run by stp.one for example

**Technical Challenges**

1. Interdisciplinary communication
   1. Needed to find a common language to understand each other.
   2. Had to translate legal requirements into technical solutions and explain technical concepts to legal experts.
2. Development of a Word Plugin
   1. It was the first time developing a Word plugin, so there was no prior experience to build upon.
   2. Debugging Word plugins is extremely difficult, especially on Mac:
      1. No direct access to a console or debugging output.
      2. Required building custom UI components to display debugging information manually.
   3. Security constraints
      1. Required HTTPS for all external requests.
      2. Initial attempts with self-signed certificates were not sufficient because Word and browsers blocked them for security reasons.
      3. Had to set up proper web hosting with an officially certified SSL certificate, leading to additional setup effort.