

## Prompt Template

### Instruction:

You are a protocol analyst. For a given [desired cert attribute] and provided [background context], extract the attribute's permissive data structures, encoding types, and any relevant requirements on encoding and string format.

### Requirements:

1. Format “structures” as a nested JSON if there are hierarchical inclusions, e.g., {“GeneralName” : {“DNSName” : {}}}. Optional structures include [list optional structures]
2. For “requirements”, return a list of relevant encoding or format restrictions as raw text. If no restrictions apply, respond with “No.”

**Cert attribute:** [desired cert attribute]

**Background context:** [knowledge]

### Desired Output Format:

#### Short-1:

```
“SubjectAltName”: {  
  “structures”: “GeneralName”,  
  “requirements”: [  
    “When the SubjectAltName extension contains a domain name system  
    label, the domain name MUST be stored in the DNSName (an IA5String)”, ...]  
}
```