The Meeting Scheduler

# Deliverable 2

I. Domain Classes: Noun Technique

A. list out all the nouns mentioned:

1. Meeting
2. Participants
3. Meeting initiator
4. Attendees
5. Exclusion set
6. Preference set
7. Personal agenda
8. Date
9. Time period
10. Date range
11. Equipment requirements
12. Location
13. Important participants
14. Date conflict
15. Strong conflict
16. Weak conflict
17. Meeting room
18. System
19. Overhead-projector
20. Workstation
21. Network connection
22. Telephones
23. Negotiation
24. Request
25. Organization
26. Schedule
27. Interaction
28. Resolution policies
29. Client

B. Filter Candidate Nouns:

Identified noun	Notes on including noun as a thing to store
Meeting	Core concept. Needs to be stored as it represents the central event being scheduled. Included
Participants	General class for everyone involved in the meeting; needs to be stored for tracking attendees. Included
Meeting initiator	Could be stored as an attribute of Meeting or Participant, representing who started the meeting. excluded
Attendees	Duplicate of Participant, excluded.
Exclusion set	Needs to be stored for each participant to avoid scheduling conflicts. Included
Preference set	Important to store for each participant to maximize scheduling convenience. Included
Personal agenda	Redundant since it is covered by preference/exclusion sets. excluded
Date	General concept, covered by Date Range and Exclusion/Preferred Date, Excluded.
Time period	Part of Date Range, not needed as a separate noun, excluded.
Date range	Defines the range of possible dates for the meeting; needs to be stored, included.
Equipment requirements	Needs to be stored as part of the Meeting to ensure appropriate resources are available, included
Location	General term, covered by Room, excluded
Important participants	Can be stored as a role or attribute to prioritize their availability in scheduling. excluded
conflict	A condition or process, not a class.excluded
Strong conflict	Type of conflict; represents critical scheduling conflicts. excluded
Weak conflict	Type of conflict; represents less severe scheduling conflicts. excluded
Meeting room	Stores location details for the meeting, including availability and equipment. Included
System	General term, will be considered as the overall entity. excluded
Overhead-projector	Covered under Equipment as a specific type of equipment. excluded
Workstation	Covered under Equipment as a specific type of equipment. excluded
Network connection	Covered under Equipment as a specific type of equipment. excluded
Telephones	Covered under Equipment as a specific type of equipment. excluded
Negotiation	Represents a process rather than an entity to store; handled through conflict resolution activities. excluded
Request	General term, excluded
Organization	Ambiguous in this context, as it refers broadly to the process. Excluded
Schedule	Duplicate of Meeting, excluded.
Interaction	Broad term that may not be a standalone class but a process. excluded
Resolution policies	guide conflict resolution methods. excluded
Client	Duplicate of Participant, excluded.

C. Class Diagram:
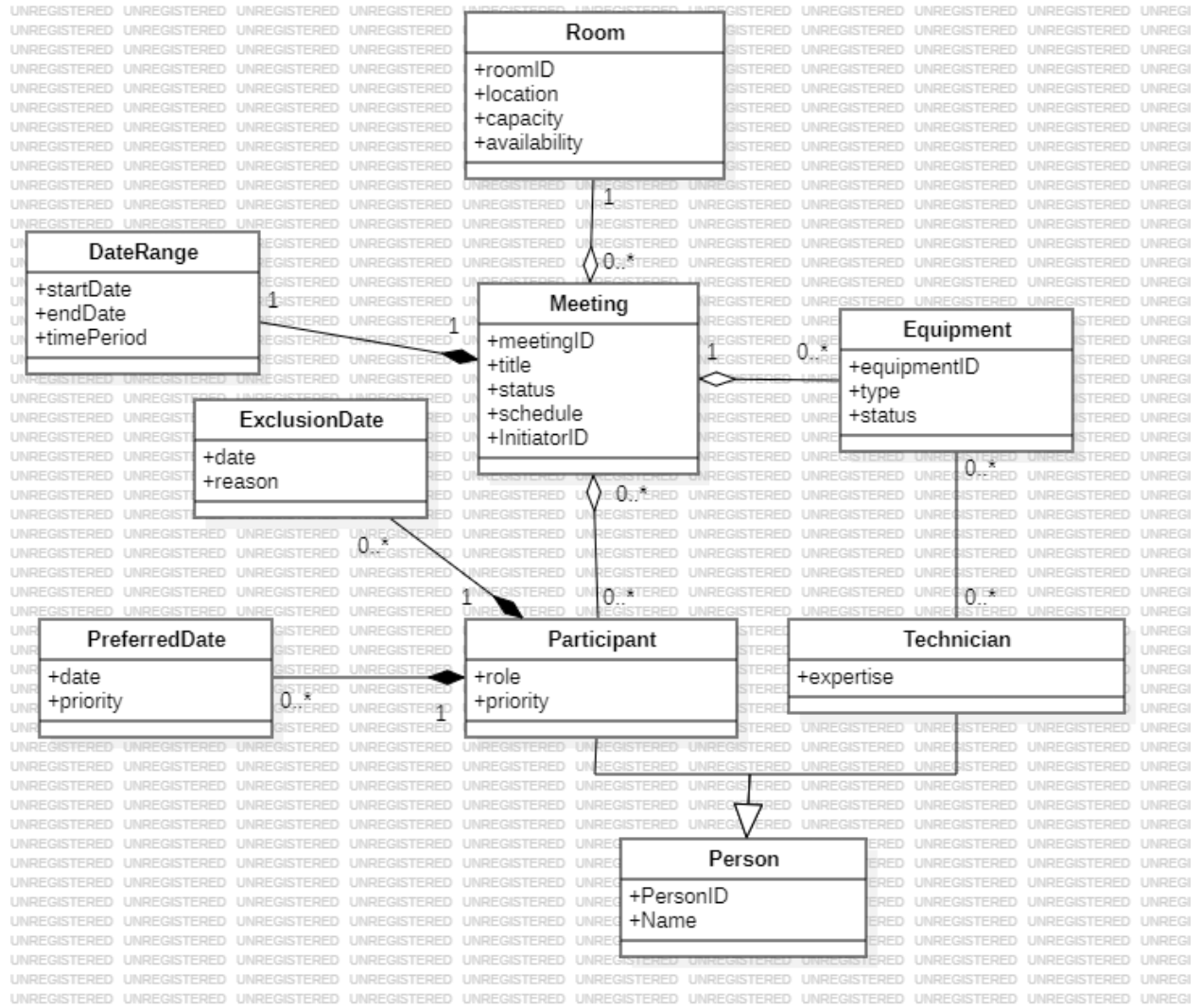
II. Use Cases and CRUD Technique

	meeting	Equipment	Date Range	Exclusion Date	Preferred Date	Participant	technician	person	room
Provide Meeting Equipment		R, U					R		
Request Meeting	C		C			C			U
Update Equipment Status		U							

	meeting	Equipment	Date Range	Exclusion Date	Preferred Date	Participant	technician	person	room
Specify Meeting Date Range	U, R		C, U						
Submit Availability				C, R, U, D	C, R, U, D				
Modify Meeting Details	U	U	U			U			U
Request Equipment		C							
Generate Equipment Availability Report		R					R		
Send Pre-Meeting Equipment Setup Notification							R		
Send Confirmation Reminder							R		
Notify Availability Submission Deadline							R		
End Meeting	U, D							D	
Send Meeting Reminder	R								
Review Not Available Items		R							
Detect and Notify Conflicts	R	R							R
Confirm Meeting Status	U								
Confirm Room Reservation									C
Send Confirmation Notification	R	R							R