Validation Steps for All SPARQL Queries

```
G1: Project Initiation
Query 1: List projects with maximum allowed partners
PREFIX fyp: <a href="http://.../FYP_Process_Ontology#">http://.../FYP_Process_Ontology#>
SELECT ?Project ?maxPartners
WHERE {
 ?Project a fyp:Project;
       fyp:maxPartners?maxPartners.
}
1. Expected Result: Projects like `Al_Chatbot_Project` with `maxPartners = 2`.
Query 2: Supervisors with expertise in "Artificial Intelligence"
sparql
PREFIX fyp: <a href="http://.../FYP_Process_Ontology#">http://.../FYP_Process_Ontology#>
SELECT ?Supervisor
WHERE {
 ?Supervisor fyp:hasExpertise fyp:Artificial_Intelligence .
}
1. Expected Result: `Dr_Sarah_Lee` listed as a supervisor.
G2: Project Proposal
Query 3: Required formats for proposal documents
sparql
PREFIX fyp: <a href="http://.../FYP_Process_Ontology#">http://.../FYP_Process_Ontology#>
SELECT ?Document ?requiredFormat
WHERE {
 ?Document a fyp:ProjectProposalDocument;
```

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fyp:requiredFormat?requiredFormat.
}
1. Expected Result: `Proposal_Draft_1` with `requiredFormat = "PDF"`.
Query 4: Proposal deadlines for semesters**
sparql
PREFIX fyp: <a href="http://.../FYP_Process_Ontology#">http://.../FYP_Process_Ontology#>
SELECT ?Deadline ?date
WHERE {
 ?Deadline a fyp:ProposalDeadline;
        fyp:deadlineDate?date.
}
1. Expected Result: `Proposal_Deadline` with `date = "2023-10-15T23:59:59"`.
G3: Project Execution
Query 5: Phases of a project
sparql
PREFIX fyp: <a href="http://.../FYP_Process_Ontology#">http://.../FYP_Process_Ontology#>
SELECT ?Project ?Phase
WHERE {
 ?Project a fyp:Project;
      fyp:hasPhase?Phase.
}
Validation Steps:
1. Expected Result: `AI_Chatbot_Project` linked to phases like `Testing_Phase_1`.
Query 6: Milestone dates for a project
sparql
PREFIX fyp: <a href="http://.../FYP_Process_Ontology#">http://.../FYP_Process_Ontology#>
```

```
SELECT ?Milestone ?date
WHERE {
 ?Milestone a fyp:Milestone;
       fyp:milestoneDate?date.
}
Validation Steps:
1. Expected Result: `Proposal_Deadline` and `Final_Submission_2023` with valid dates.
G4: Documentation and Deliverables
Query 7: Final report format requirements
sparql
PREFIX fyp: <a href="http://.../FYP_Process_Ontology#">http://.../FYP_Process_Ontology#>
SELECT ?Report ?format
WHERE {
 ?Report a fyp:FinalReport;
      fyp:requiredFormat?format.
}
1. Expected Result: `Final_Report_1` with `format = "PDF with LaTeX"`.
Query 8: Submission deadlines for deliverables
sparql
PREFIX fyp: <a href="http://.../FYP_Process_Ontology#">http://.../FYP_Process_Ontology#>
SELECT ?Document ?deadline
WHERE {
 ?Document a fyp:Document;
       fyp:submissionDeadline?deadline.
}
1. Expected Result: All documents (e.g., proposals, reports) with deadlines.
G5: Supervision and Support
```

```
Query 9: Responsibilities of internal supervisors
sparql
PREFIX fyp: <a href="http://.../FYP_Process_Ontology#">http://.../FYP_Process_Ontology#>
SELECT ?Supervisor ?responsibility
WHERE {
 ?Supervisor a fyp:InternalSupervisor;
        fyp: has Responsibility\ ? responsibility\ .
}
1. Expected Result: `Dr_Sarah_Lee` with responsibility descriptions.
Query 10: Maximum projects per supervisor
sparql
PREFIX fyp: <a href="http://.../FYP_Process_Ontology#">http://.../FYP_Process_Ontology#>
SELECT ?Supervisor ?maxProjects
WHERE {
 ?Supervisor a fyp:Supervisor;
        fyp:maxProjects?maxProjects.
}
1. Expected Result: Dr_Sarah_Lee with `maxProjects = 3.
G6: Evaluation and Assessment
Query 11: Evaluation criteria for projects
sparql
PREFIX fyp: <a href="http://.../FYP_Process_Ontology#">http://.../FYP_Process_Ontology#>
SELECT ?Criterion
WHERE {
 ?Criterion a fyp:EvaluationCriteria .
}
1. Expected Result: `DocumentationCompleteness`, `TechnicalQuality`.
Query 12: Individual scores in group projects
```

```
sparql
PREFIX fyp: <a href="http://.../FYP_Process_Ontology#">http://.../FYP_Process_Ontology#>
SELECT? Member? score
WHERE {
 ?Member a fyp:GroupMember;
      fyp:individualScore?score.
}
1. Expected Result: `Alice_Smith` with `score = 85.0`.
G7: Project Timeline and Scheduling
Query 13: All deadlines in the project
sparql
PREFIX fyp: <a href="http://.../FYP_Process_Ontology#">http://.../FYP_Process_Ontology#>
SELECT ?Deadline ?date
WHERE {
 ?Deadline a fyp:Milestone;
       fyp:milestoneDate?date.
}
1. Expected Result: All milestones (e.g., proposal, final submission) with dates.
Query 14: Missed deadlines triggering exceptions
sparql
PREFIX fyp: <a href="http://.../FYP_Process_Ontology#">http://.../FYP_Process_Ontology#>
SELECT ?Exception ?resolutionDate
WHERE {
 ?Exception a fyp:DeadlineException;
        fyp:resolutionDate?resolutionDate.
}
1. Expected Result: `Conflict_1` with `resolutionDate = "2023-11-01T14:30:00"`.
```