Ontology Elements for FYP Process Ontology

# 1. Classes (Concepts)

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| Class Name | Description |
| Student | A person enrolled in the FYP program. |
| Supervisor | A faculty member assigned to guide students. |
| Evaluator | Internal or external person assessing student work. |
| FYP\_Coordinator | Manages the overall FYP process and assignments. |
| Project | The final year project undertaken by a student or group. |
| Deliverable | Documents or materials submitted (e.g., report, code). |
| Evaluation | Assessment process for the FYP. |
| Domain | The area or topic the project is based on. |
| Technology | Tools or software used in project implementation. |
| Skill | Required capabilities or knowledge for FYP. |
| Document | Individual files such as proposals, reports, etc. |
| Timeline | Represents milestones and deadlines. |
| Group | A collection of students working on one project. |
| Feedback | Comments and scores provided by evaluators. |

# 2. Object Properties

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| Property Name | Domain → Range | Description |
| hasSupervisor | Project → Supervisor | Links a project to its assigned supervisor. |
| hasStudent | Project → Student | Connects project to its student(s). |
| hasEvaluator | Evaluation → Evaluator | Links evaluation with the evaluator performing it. |
| assignedBy | Project → FYP\_Coordinator | Indicates who assigned the supervisor or project. |
| involvesDomain | Project → Domain | Project's academic domain or field. |
| usesTechnology | Project → Technology | Technology stack used in the project. |
| requiresSkill | Project → Skill | Skills needed for the project. |
| submitsDeliverable | Student → Deliverable | Deliverables submitted by a student. |
| reviewsDeliverable | Evaluator → Deliverable | Deliverables assessed by an evaluator. |
| providesFeedback | Evaluator → Feedback | Feedback given after evaluation. |
| evaluatesProject | Evaluator → Project | Indicates project being evaluated. |
| belongsToGroup | Student → Group | Student is a member of a group. |
| hasTimeline | Project → Timeline | Timeline followed by the project. |

# 3. Data Properties

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| Property Name | Domain → Data Type | Description |
| studentName | Student → string | Name of the student. |
| supervisorName | Supervisor → string | Name of the supervisor. |
| projectTitle | Project → string | Title of the project. |
| submissionDate | Deliverable → date | When a deliverable is submitted. |
| deadline | Timeline → date | Due date for a milestone. |
| feedbackText | Feedback → string | Written comments by evaluator. |
| grade | Evaluation → integer | Score or grade assigned. |
| domainName | Domain → string | Name of the domain. |
| technologyName | Technology → string | Name of the technology used. |
| skillName | Skill → string | Name of the skill required. |
| documentType | Document → string | Type of document (e.g., proposal, report). |