@prefix : <http://www.semanticweb.org/asifcomputer/ontologies/2025/3/admissionprocess/> .

@prefix owl: <http://www.w3.org/2002/07/owl#> .

@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .

@prefix xml: <http://www.w3.org/XML/1998/namespace> .

@prefix xsd: <http://www.w3.org/2001/XMLSchema#> .

@prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#> .

@base <http://www.semanticweb.org/asifcomputer/ontologies/2025/3/admissionprocess/> .

<http://www.semanticweb.org/asifcomputer/ontologies/2025/3/admissionprocess> rdf:type owl:Ontology ;

rdfs:comment "This ontology represents the process of the Final Year Project (FYP) within the Computer Science Department."@en .

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# Object Properties

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### Core Relationships ###

:belongsToDepartment rdf:type owl:ObjectProperty ;

rdfs:domain :CapstoneProject ;

rdfs:range :Department .

:hasStudent rdf:type owl:ObjectProperty ;

rdfs:domain :CapstoneProject ;

rdfs:range :Student .

:hasSupervisor rdf:type owl:ObjectProperty ;

rdfs:domain :CapstoneProject ;

rdfs:range :Supervisor .

:hasCoordinator rdf:type owl:ObjectProperty ;

rdfs:domain :CapstoneProject ;

rdfs:range :ProjectCoordinator .

:hasPhase rdf:type owl:ObjectProperty ;

rdfs:domain :CapstoneProject ;

rdfs:range :ProjectPhase .

:hasDeliverable rdf:type owl:ObjectProperty ;

rdfs:domain :CapstoneProject ;

rdfs:range :Document .

:evaluates rdf:type owl:ObjectProperty ;

rdfs:domain :Supervisor ;

rdfs:range :Evaluation .

:hasEvaluationCriterion rdf:type owl:ObjectProperty ;

rdfs:domain :Evaluation ;

rdfs:range :EvaluationCriterion .

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# Data Properties

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:hasName rdf:type owl:DatatypeProperty ;

rdfs:domain :Student , :Supervisor , :ProjectCoordinator , :Department ;

rdfs:range xsd:string .

:hasEmail rdf:type owl:DatatypeProperty ;

rdfs:domain :Student , :Supervisor , :ProjectCoordinator ;

rdfs:range xsd:string .

:hasTitle rdf:type owl:DatatypeProperty ;

rdfs:domain :CapstoneProject ;

rdfs:range xsd:string .

:hasStartDate rdf:type owl:DatatypeProperty ;

rdfs:domain :CapstoneProject ;

rdfs:range xsd:dateTime .

:hasEndDate rdf:type owl:DatatypeProperty ;

rdfs:domain :CapstoneProject ;

rdfs:range xsd:dateTime .

:hasDescription rdf:type owl:DatatypeProperty ;

rdfs:domain :CapstoneProject ;

rdfs:range xsd:string .

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# Classes with Property Restrictions

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:Department rdf:type owl:Class ;

rdfs:subClassOf [ rdf:type owl:Restriction ; owl:onProperty :belongsToDepartment ; owl:someValuesFrom :CapstoneProject ] .

:Student rdf:type owl:Class ;

rdfs:subClassOf :Person , [ rdf:type owl:Restriction ; owl:onProperty :hasStudent ; owl:someValuesFrom :CapstoneProject ] .

:Supervisor rdf:type owl:Class ;

rdfs:subClassOf :Person , [ rdf:type owl:Restriction ; owl:onProperty :hasSupervisor ; owl:someValuesFrom :CapstoneProject ] .

:ProjectCoordinator rdf:type owl:Class ;

rdfs:subClassOf :Person , [ rdf:type owl:Restriction ; owl:onProperty :hasCoordinator ; owl:someValuesFrom :CapstoneProject ] .

:CapstoneProject rdf:type owl:Class ;

rdfs:subClassOf [ rdf:type owl:Restriction ; owl:onProperty :hasPhase ; owl:someValuesFrom :ProjectPhase ] ,

[ rdf:type owl:Restriction ; owl:onProperty :hasDeliverable ; owl:someValuesFrom :Document ] ,

[ rdf:type owl:Restriction ; owl:onProperty :hasSupervisor ; owl:someValuesFrom :Supervisor ] ,

[ rdf:type owl:Restriction ; owl:onProperty :hasStudent ; owl:someValuesFrom :Student ] ,

[ rdf:type owl:Restriction ; owl:onProperty :hasCoordinator ; owl:someValuesFrom :ProjectCoordinator ] .

:ProjectPhase rdf:type owl:Class .

:Document rdf:type owl:Class .

:Evaluation rdf:type owl:Class ;

rdfs:subClassOf [ rdf:type owl:Restriction ; owl:onProperty :hasEvaluationCriterion ; owl:someValuesFrom :EvaluationCriterion ] .

:EvaluationCriterion rdf:type owl:Class .

:Person rdf:type owl:Class .

### Generated based on the FYP process at the University of Sargodha