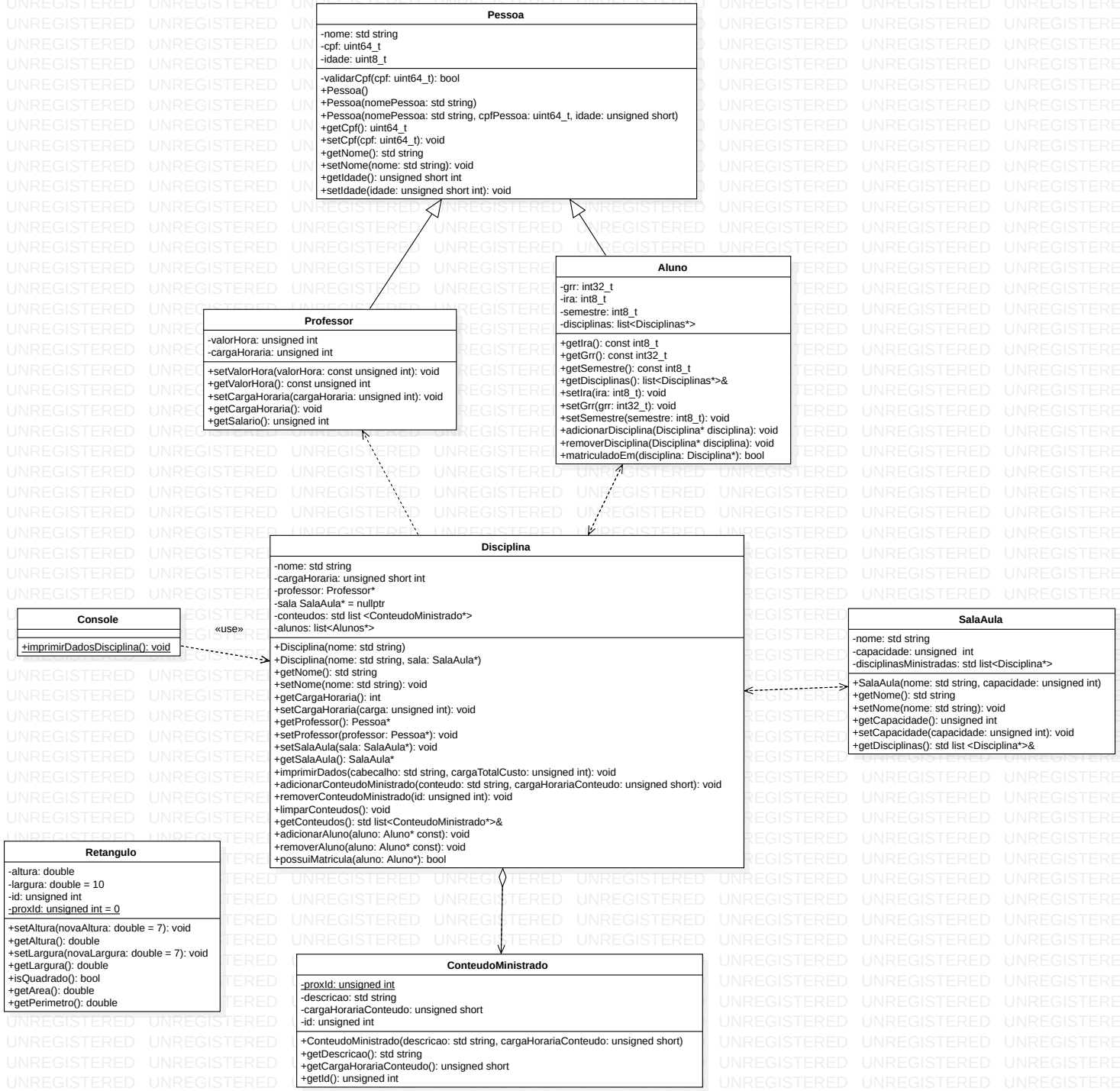
Model::Main


Pessoa
-nome: std string
-cpf: uint64_t
-idade: uint8_t
-validarCpf(cpf: uint64_t): bool
+Pessoa()
+Pessoa(nomePessoa: std string)
+Pessoa(nomePessoa: std string, cpfPessoa: uint64_t, idade: unsigned short)
+getCpf(): uint64_t
+setCpf(cpf: uint64_t): void
+getNome(): std string
+setNome(nome: std string): void
+getIdade(): unsigned short int
+setIdade(idade: unsigned short int): void
Aluno
-grr: int32_t
-ira: int8_t
-semestre: int8_t
-disciplinas: list<Disciplinas*>
+getIra(): const int8_t
+getGrr(): const int32_t
+getSemestre(): const int8_t
+getDisciplinas(): list<Disciplinas*>&
+setIra(ira: int8_t): void
+setGrr(grr: int32_t): void
+setSemestre(semestre: int8_t): void
+adicionarDisciplina(Disciplina* disciplina): void
+removerDisciplina(Disciplina* disciplina): void
+matriculadoEm(disciplina: Disciplina*): bool
Professor
-valorHora: unsigned int
-cargaHoraria: unsigned int
+setValorHora(valorHora: const unsigned int): void
+getValorHora(): const unsigned int
+setCargaHoraria(cargaHoraria: unsigned int): void
+getCargaHoraria(): void
+getSalario(): unsigned int
Disciplina
-nome: std string
-cargaHoraria: unsigned short int
-professor: Professor*
-sala SalaAula* = nullptr
-conteudos: std list <ConteudoMinistrado*>
-alunos: list<Alunos*>
+Disciplina(nome: std string)
+Disciplina(nome: std string, sala: SalaAula*)
+getNome(): std string
+setNome(nome: std string): void
+getCargaHoraria(): int
+setCargaHoraria(carga: unsigned int): void
+getProfessor(): Pessoa*
+setProfessor(professor: Pessoa*): void
+setSalaAula(sala: SalaAula*): void
+getSalaAula(): SalaAula*
+imprimirDados(cabecalho: std string, cargaTotalCusto: unsigned int): void
+adicionarConteudoMinistrado(conteudo: std string, cargaHorariaConteudo: unsigned short): void
+removerConteudoMinistrado(id: unsigned int): void
+limparConteudos(): void
+getConteudos(): std list<ConteudoMinistrado*>&
+adicionarAluno(aluno: Aluno* const): void
+removerAluno(aluno: Aluno* const): void
+possuiMatricula(aluno: Aluno*): bool
Console
+imprimirDadosDisciplina(): void
«use»
SalaAula
-nome: std string
-capacidade: unsigned int
-disciplinasMinistradas: std list<Disciplina*>
+SalaAula(nome: std string, capacidade: unsigned int)
+getNome(): std string
+setNome(nome: std string): void
+getCapacidade(): unsigned int
+setCapacidade(capacidade: unsigned int): void
+getDisciplinas(): std list <Disciplina*>&
Retangulo
-altura: double
-largura: double = 10
-id: unsigned int
-proxId: unsigned int = 0
+setAltura(novaAltura: double = 7): void
+getAltura(): double
+setLargura(novaLargura: double = 7): void
+getLargura(): double
+isQuadrado(): bool
+getArea(): double
+getPerimetro(): double
ConteudoMinistrado
-proxId: unsigned int
-descricao: std string
-cargaHorariaConteudo: unsigned short
-id: unsigned int
+ConteudoMinistrado(descricao: std string, cargaHorariaConteudo: unsigned short)
+getDescricao(): std string
+getCargaHorariaConteudo(): unsigned short
+getId(): unsigned int