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

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

Disciplina

-nome: std string
-cargaHoraria: unsigned short int
-professor: Pessoa*
-sala SalaAula* = nullptr
-conteudos: std list <ConteudoMinistrado*>

+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*>&

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*>&

Console

«use»

+imprimirDadosDisciplina(): void

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