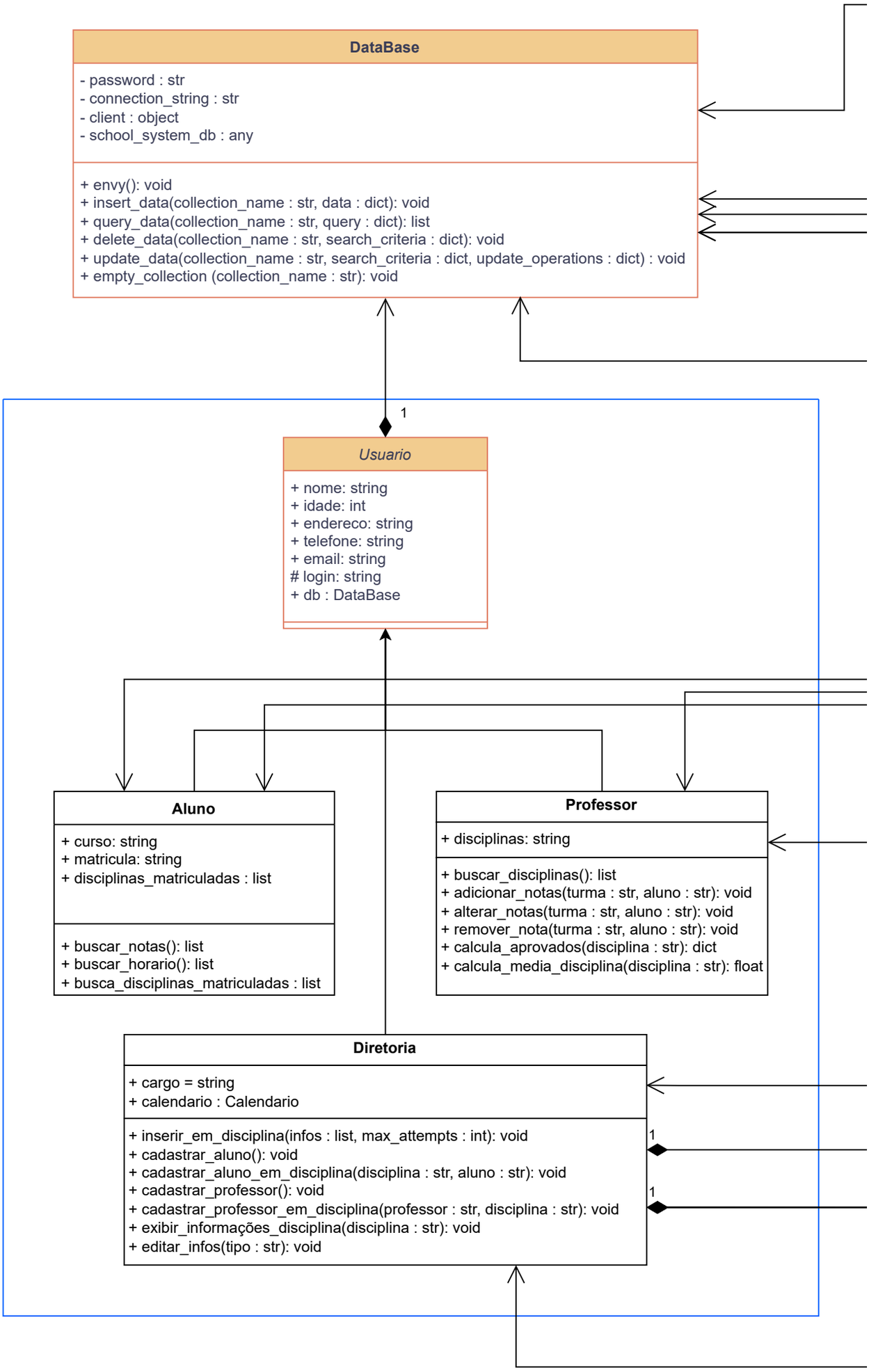
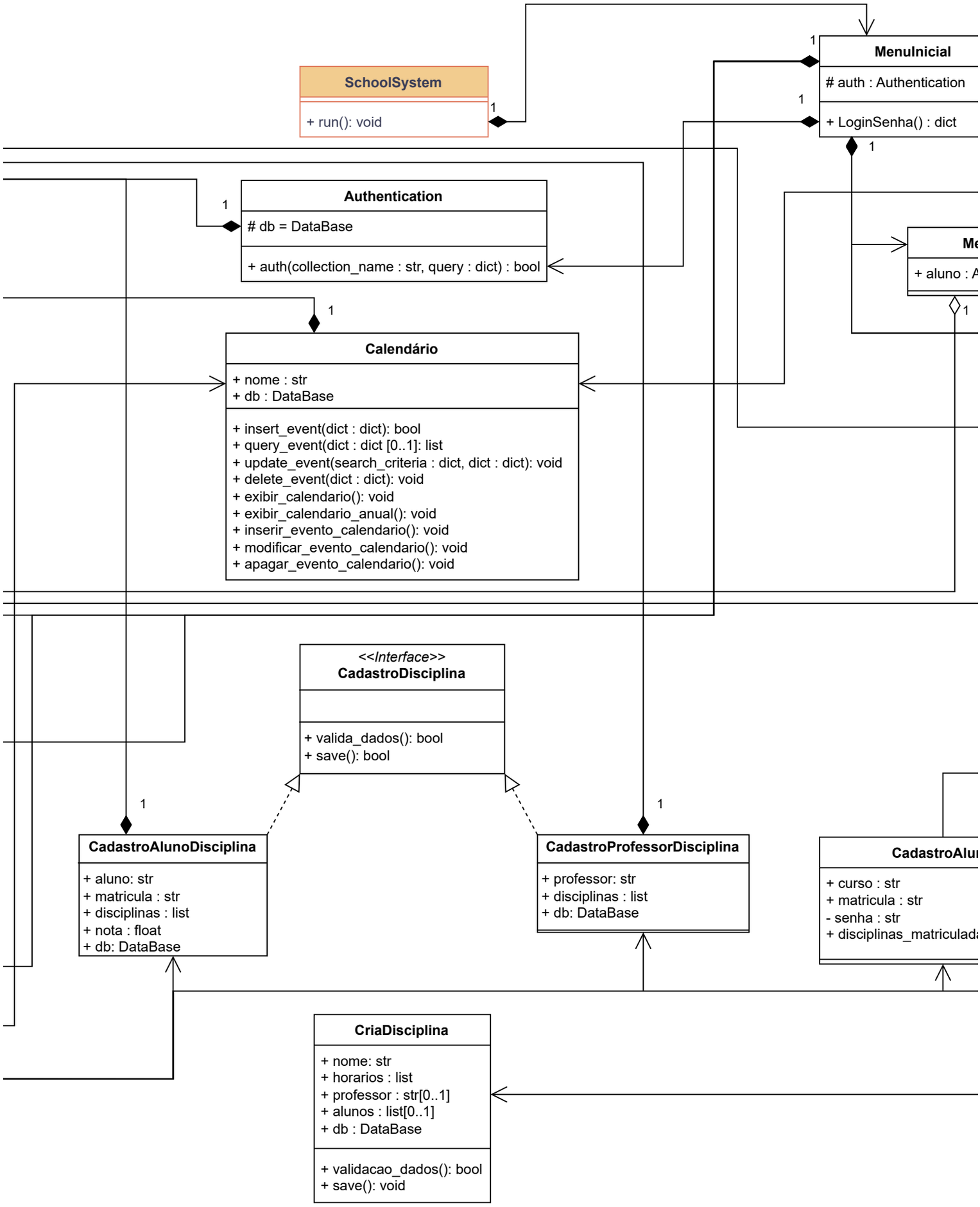
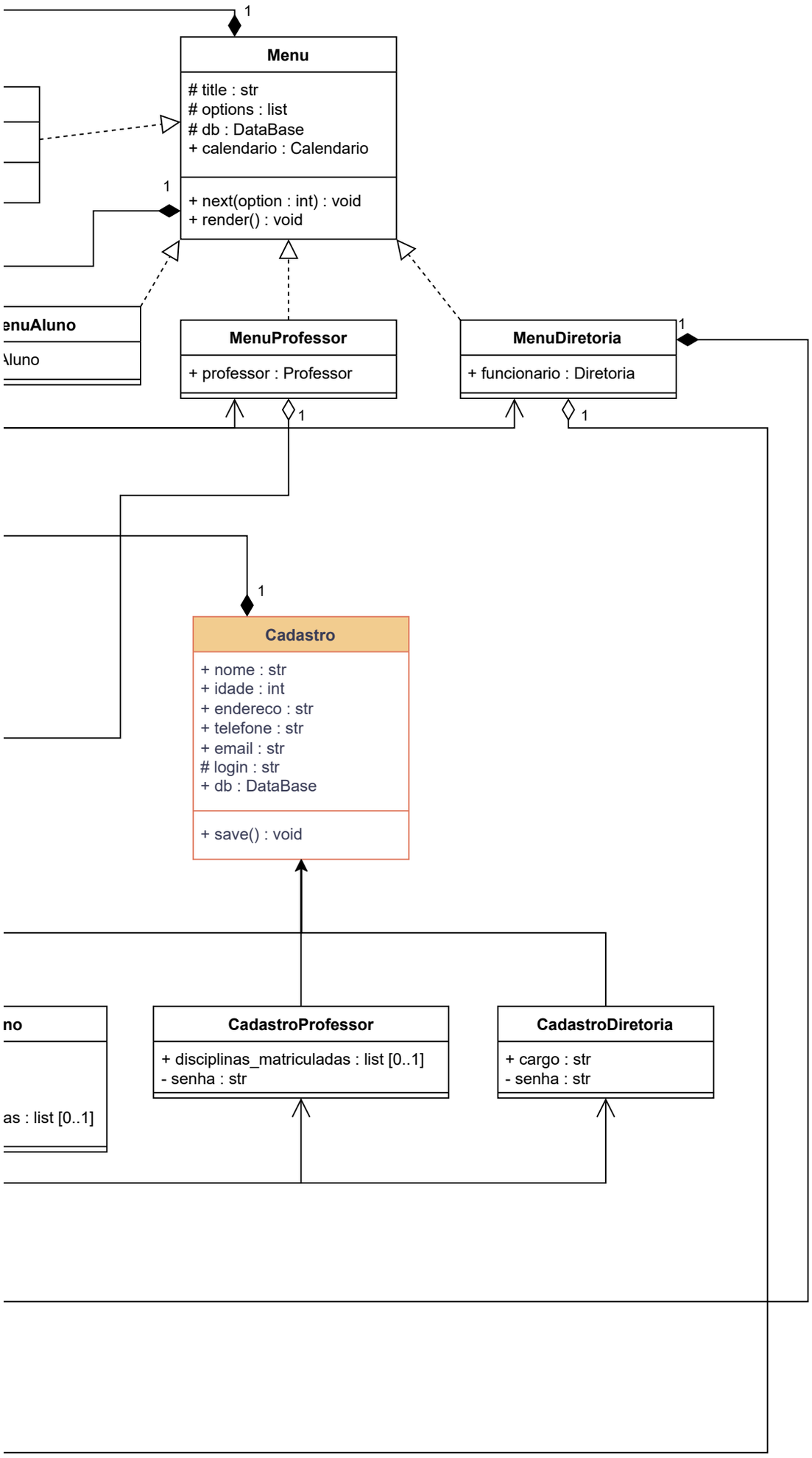

DataBase
- password : str
- connection_string : str
- client : object
- school_system_db : any
+ envy(): void
+ insert_data(collection_name : str, data : dict): void
+ query_data(collection_name : str, query : dict): list
+ delete_data(collection_name : str, search_criteria : dict): void
+ update_data(collection_name : str, search_criteria : dict, update_operations : dict) : void
+ empty_collection (collection_name : str): void
1
Usuario
+ nome: string
+ idade: int
+ endereco: string
+ telefone: string
+ email: string
# login: string
+ db : DataBase
Aluno
+ curso: string
+ matricula: string
+ disciplinas_matriculadas : list
+ buscar_notas(): list
+ buscar_horario(): list
+ busca_disciplinas_matriculadas : list
Professor
+ disciplinas: string
+ buscar_disciplinas(): list
+ adicionar_notas(turma : str, aluno : str): void
+ alterar_notas(turma : str, aluno : str): void
+ remover_nota(turma : str, aluno : str): void
+ calcula_aprovados(disciplina : str): dict
+ calcula_media_disciplina(disciplina : str): float
Diretoria
+ cargo = string
+ calendario : Calendario
+ inserir_em_disciplina(infos : list, max_attempts : int): void
+ cadastrar_aluno(): void
+ cadastrar_aluno_em_disciplina(disciplina : str, aluno : str): void
+ cadastrar_professor(): void
+ cadastrar_professor_em_disciplina(professor : str, disciplina : str): void
+ exibir_informações_disciplina(disciplina : str): void
+ editar_infos(tipo : str): void
1
1


SchoolSystem
+ run(): void
MenuInicial
auth : Authentication
+ LoginSenha() : dict
Authentication
db = DataBase
+ auth(collection_name : str, query : dict) : bool
Me
+ aluno : A
Calendário
+ nome : str
+ db : DataBase
+ insert_event(dict : dict): bool
+ query_event(dict : dict [0..1]: list
+ update_event(search_criteria : dict, dict : dict): void
+ delete_event(dict : dict): void
+ exibir_calendario(): void
+ exibir_calendario_anual(): void
+ inserir_evento_calendario(): void
+ modificar_evento_calendario(): void
+ apagar_evento_calendario(): void
<<Interface>>
CadastroDisciplina
+ valida_dados(): bool
+ save(): bool
CadastroAlunoDisciplina
+ aluno: str
+ matricula : str
+ disciplinas : list
+ nota : float
+ db: DataBase
CadastroProfessorDisciplina
+ professor: str
+ disciplinas : list
+ db: DataBase
CadastroAlu
+ curso : str
+ matricula : str
- senha : str
+ disciplinas_matriculada
CriaDisciplina
+ nome: str
+ horarios : list
+ professor : str[0..1]
+ alunos : list[0..1]
+ db : DataBase
+ validacao_dados(): bool
+ save(): void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Menu
title : str
options : list
db : DataBase
+ calendario : Calendario
+ next(option : int) : void
+ render() : void
1
enuAluno
Aluno
MenuProfessor
+ professor : Professor
MenuDiretoria
+ funcionario : Diretoria
1
1
1
1
Cadastro
+ nome : str
+ idade : int
+ endereco : str
+ telefone : str
+ email : str
# login : str
+ db : DataBase
+ save() : void
no
as : list [0..1]
CadastroProfessor
+ disciplinas_matriculadas : list [0..1]
- senha : str
CadastroDiretoria
+ cargo : str
- senha : str