

Person

+name: str
+phoneNumber: str
+emailAddress: str
+purchaseParkingPass()

Address

+street: str
+city: str
+state: str
+postalCode: int
+country: str
-validate(): bool
+outputAsLabel(): str

Student

+studentNumber: int
+averageMark: int
+isEligibleToEnroll(str): bool
+getSeminarsTaken(): int

Professor

~salary: int
#staffNumber: int
-yearsOfService: int
+numberOfClasses: int

«interface»
Pageable

+UNKNOWN_N_OF_PAGES: int = -1

SearchService

-config: Configuration

-engine: SearchEngine

+search(query: SearchRequest): SearchResult

-createEngine(): SearchEngine

SQLStatement

+executeQuery(sql: String): ResultSet

+isPoolable(): Boolean

+getQueryTimeout(): int

+clearWarnings()

SearchService

private:

config: Configuration

engine: SearchEngine

public:

search(query: SearchRequest): SearchResult

private:

createEngine(): SearchEngine

Button

private:

theController: Controller*

public:

press(): void

setTheController(p: Controller*): void

Controller

private:

theLight: Light*

lampState: boolean

public:

evButtonPressed(): void

setTheLight(p: Light*): void

private:

toggle(): void

Light

public:

on(): void

off(): void

City

+resources: HashMap[ResourceType, Int]
+globalHappiness: Double

Building

+getResourcesOnBuilt(): HashMap[ResourceType, Int]