Class Diagram for TeachMate System

User
- + userID: int
- + userName: String
- + email: String

- + register(): bool
- + login(): bool
- + logout(): bool

Course
- + courseID: int
- + courseName: String
- + capacity: int
- + currentEnrollment: int

- + validateCourseSelection(): bool
- + addStudentToCourse(): bool
- + verifyCourseAvailability(): bool

Assignment
- + assignmentID: int
- + assignmentName: String
- + dueDate: Date

- + storeAssignment(): bool
- + saveAssignment(): bool

Feedback
- + feedbackID: int
- + assignmentID: int
- + comments: String

- + retrieveFeedback(): Feedback
- + getFeedback(): string
- + giveFeedback(): bool

FileUpload
- + fileID: int
- + fileName: String
- + filePath: String

- + selectFileAndConfirm(): bool
- + requestFileUpload(): bool
- + sendFile(): bool

Database
- + connect(): bool
- + executeQuery(): ResultSet
- + saveData(): bool
- + fetchData(): List<Record>

View
- + updateViewWithSuccess(): void
- + showSuccessMessage(): void
- + displayFeedback(): void

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