# Artifact Class Diagram

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# Final Year Project Management System - Class Diagram

## Project
- -projectID: int
- -title: String
- -status: String
- -year: int
- -finalGrade: float

---
- +updateStatus()
- +calculateProgress()

## Evaluation
- -evaluationID: int
- -technicalScore: float
- -documentationScore: float
- -presentationScore: float
- -totalScore: float

---
- +scoreProject()
- +calculateTotal()

## Notification
- -notificationID: int
- -message: String
- -type: String
- -isRead: boolean

---
- +send()
- +markAsRead()

## User
- -userID: int
- -username: String
- -password: String
- -email: String
- -name: String
- -department: String

---
- +login()
- +logout()
- +updateProfile()

## Group
- -groupID: int
- -groupName: String
- -maxSize: int

---
- +addMember()
- +removeMember()

## Proposal
- -proposalID: int
- -submissionDate: Date
- -status: String
- -objectives: String
- -isDraft: boolean

---
- +submit()
- +approve()
- +reject()

## Administrator
- -adminID: String

---
- +assignSupervisor()
- +approveGrade()
- +generateReport()

## Presentation
- -presentationID: int
- -date: Date
- -time: Time
- -venue: String

---
- +schedule()

## Supervisor
- -supervisorID: String
- -maxCapacity: int
- -currentLoad: int

---
- +approveProposal()
- +evaluateProject()

## TaskCompletion
- -taskID: int
- -taskName: String
- -deadline: Date
- -status: String
- -weightage: float

---
- +markComplete()
- +approve()

## Grade
- -gradeID: int
- -proposalMarks: float
- -taskMarks: float
- -finalGrade: float
- -letterGrade: String

---
- +calculateFinal()
- +approve()

## CommitteeMember
- -committeeID: String

---
- +evaluateProject()
- +provideFinalMarks()

## Feedback
- -feedbackID: int
- -text: String
- -date: Date

---
- +provide()

## Document
- -documentID: int
- -fileName: String
- -fileType: String
- -uploadDate: Date
- -version: int

---
- +upload()
- +download()

## TimeSlot
- -slotID: int
- -date: Date
- -startTime: Time
- -isAvailable: boolean

---
- +reserve()

## Student
- -studentID: String
- -rollNumber: String
- -CGPA: float

---
- +submitProposal()
- +uploadDocument()
- +viewGrade()