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# Course Evaluation Design

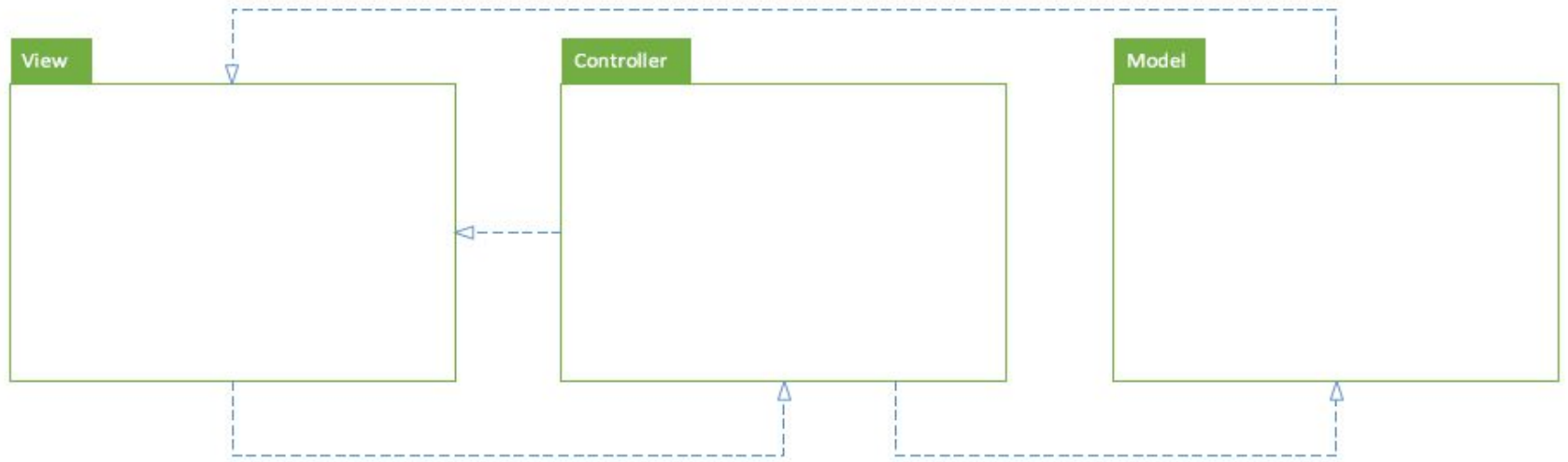
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# MVC Architecture

- The **Model** represents the structure of the data in the application, as well as application-specific operations on those data.(students information, courses information, Evaluations, etc)
- The **View** renders the contents of a model. It specifies exactly how the model data should be presented.(Display menu, students information, class informations, etc)
- The **Controller** translates user action and user input into application function calls on the model, and selects the appropriate View based on user preferences and Model state.(add courses, find courses, rating, etc)

# UML Packages



# UML Class

## Model

Student
Name:string
ID:ID

ID
StudentID:int
Account#:int
Status:int
CoursesTaken: string

Course
Name: string
Units: int
Evaluations:Evaluation
OverallRatings:int
CourseTaken: boolean

Evaluation
Rating1:int
Rating2:int
Rating3:int
Rating4:int
Rating5:int
comment: string
ConceptsUsed:String
Professor:string

Suggestion
Name: string
OverallRatings:int
Total Units:int
Answer:boolean

## View

Display
displayCourseInfo():void
displaySuggestion():void
displayStudentInfo():void

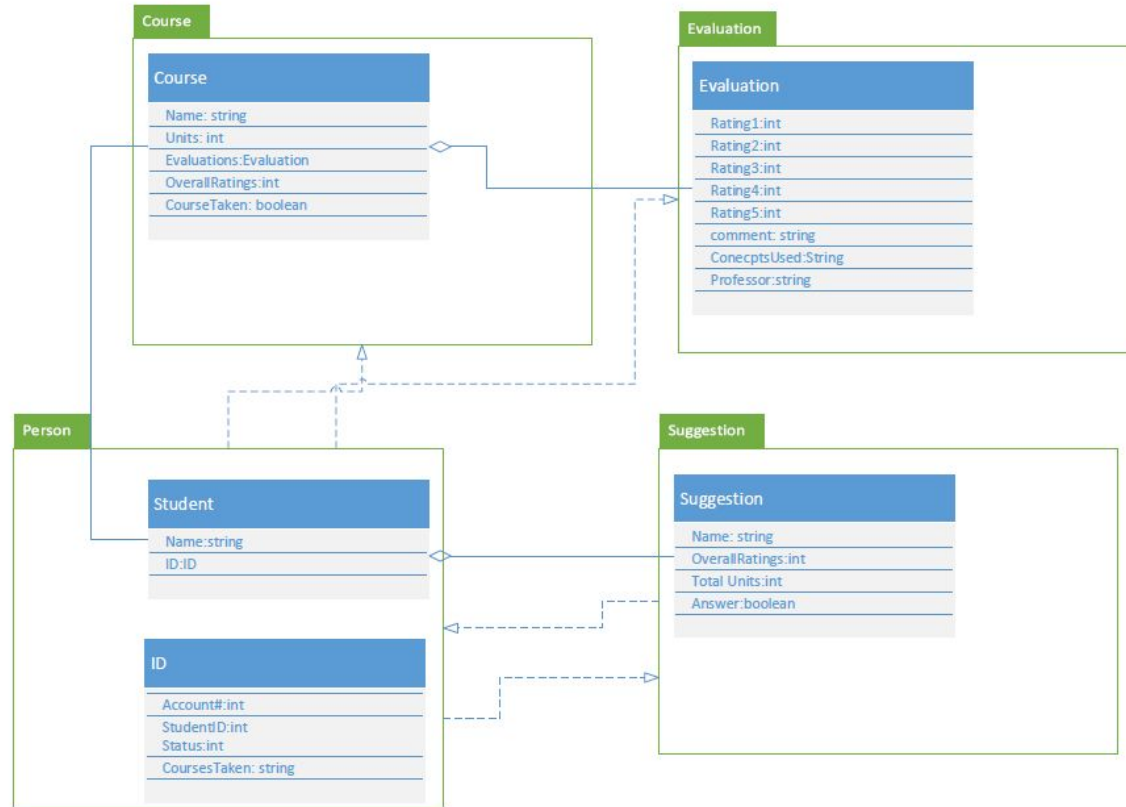
Menu
addClass():void
viewCourseList(): void
searchCourseList(): void
viewCourseEvaluations(): void
makeSuggestion():void

## Controller

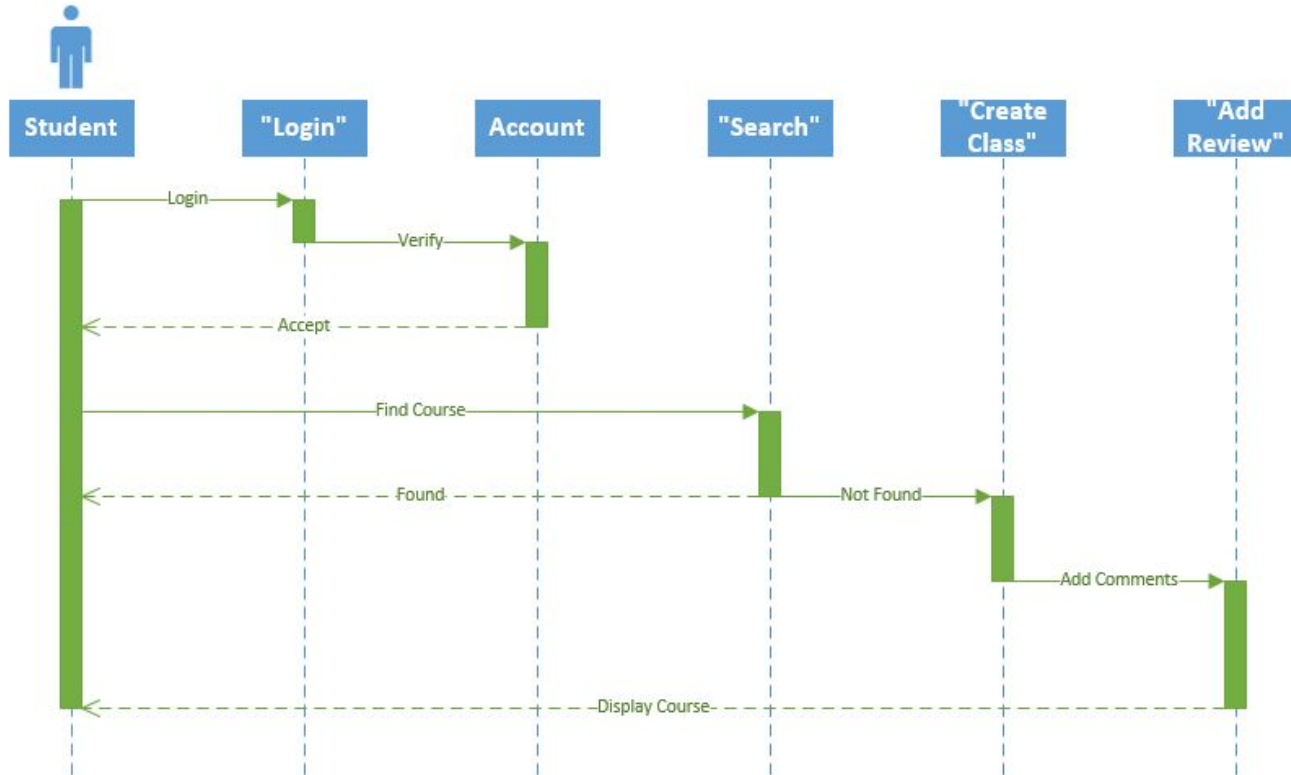
Suggest<Controller>
analyzeRatings(): void
finalizeSuggestion():void

AddClass<Controller>
enterCourseInfo():Course
checkValidClass():void
addToCurrentList():void

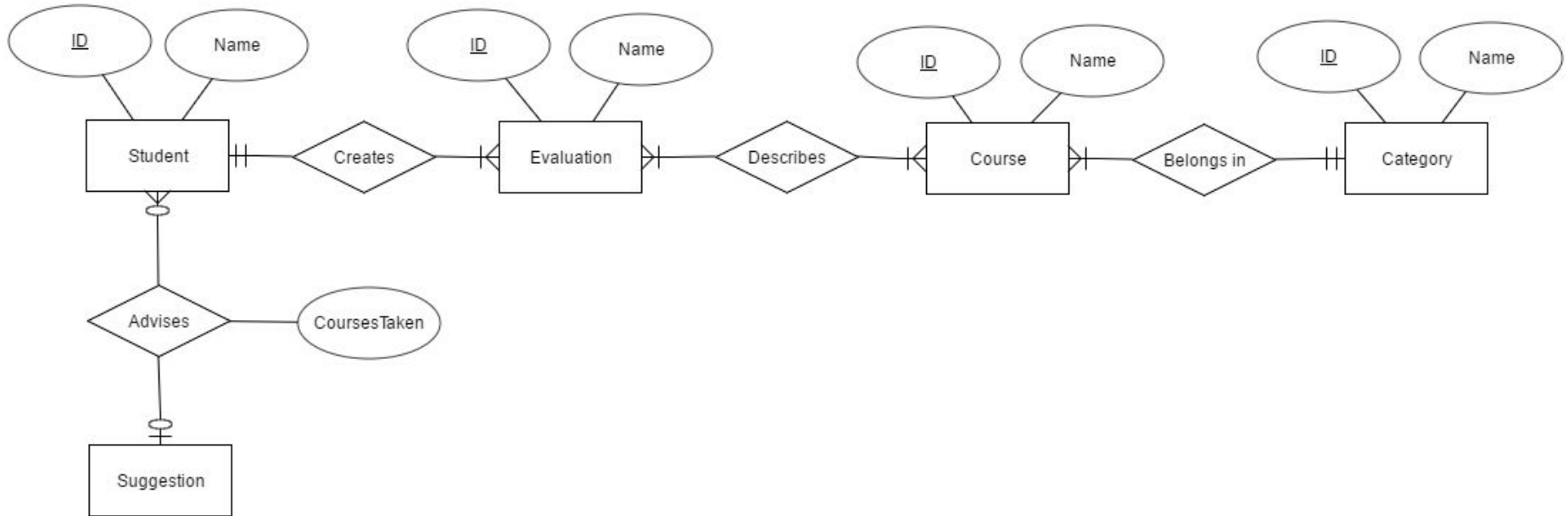
# UML Associations



# UML Sequence Diagram



# Entity-Relationship Diagram



# Relational Schema

