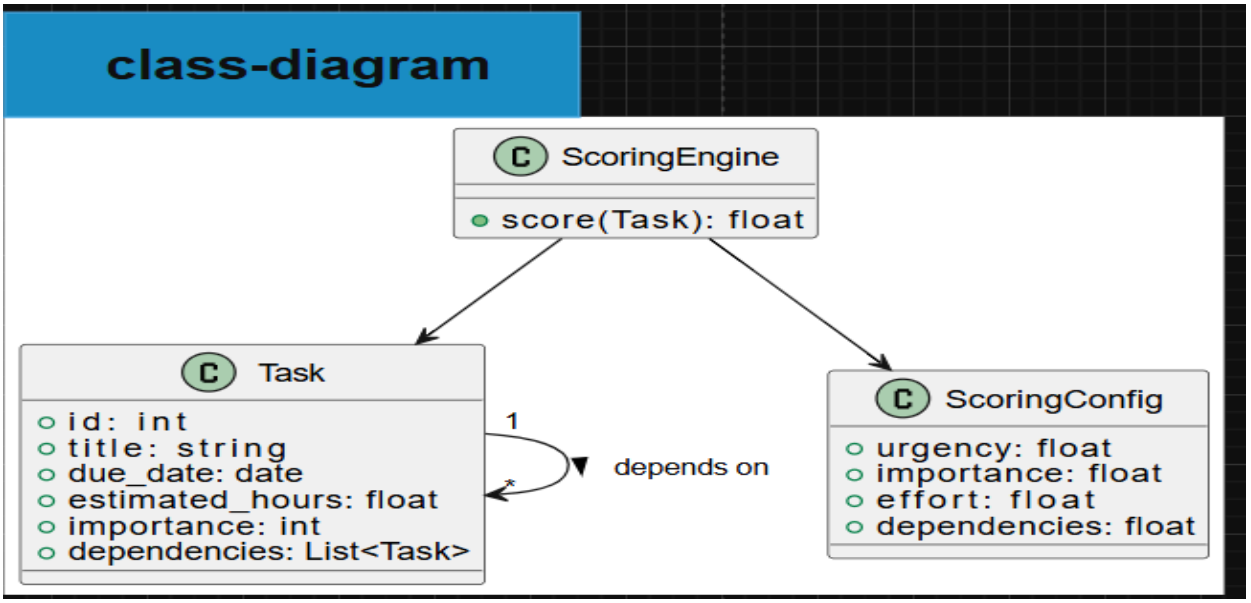
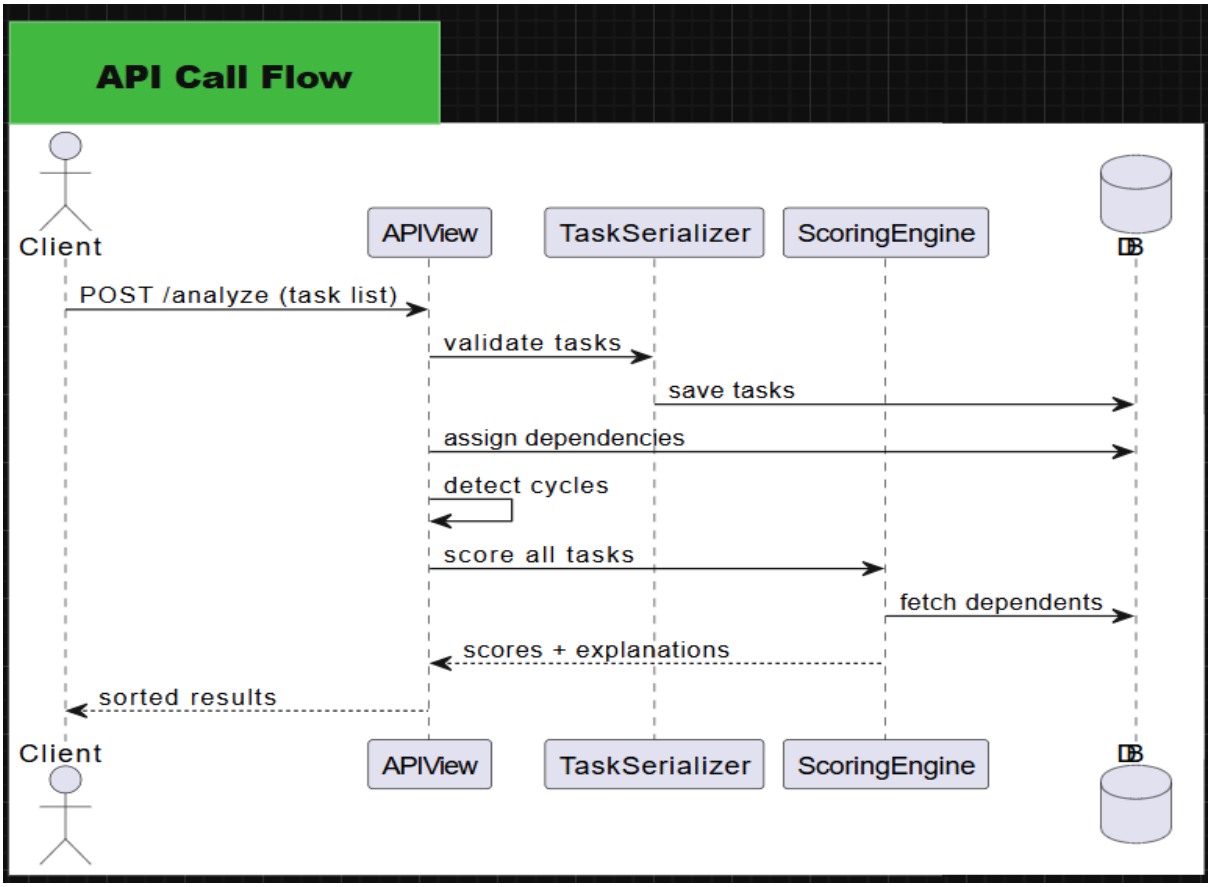
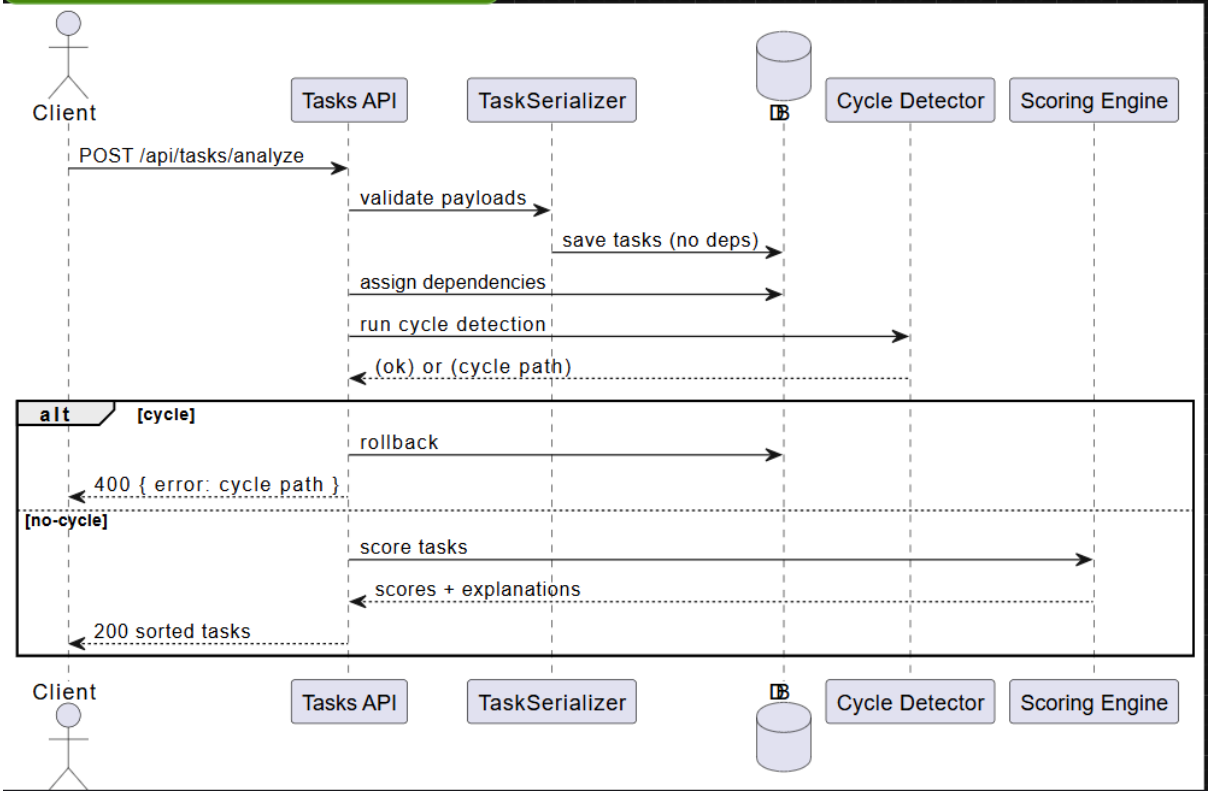
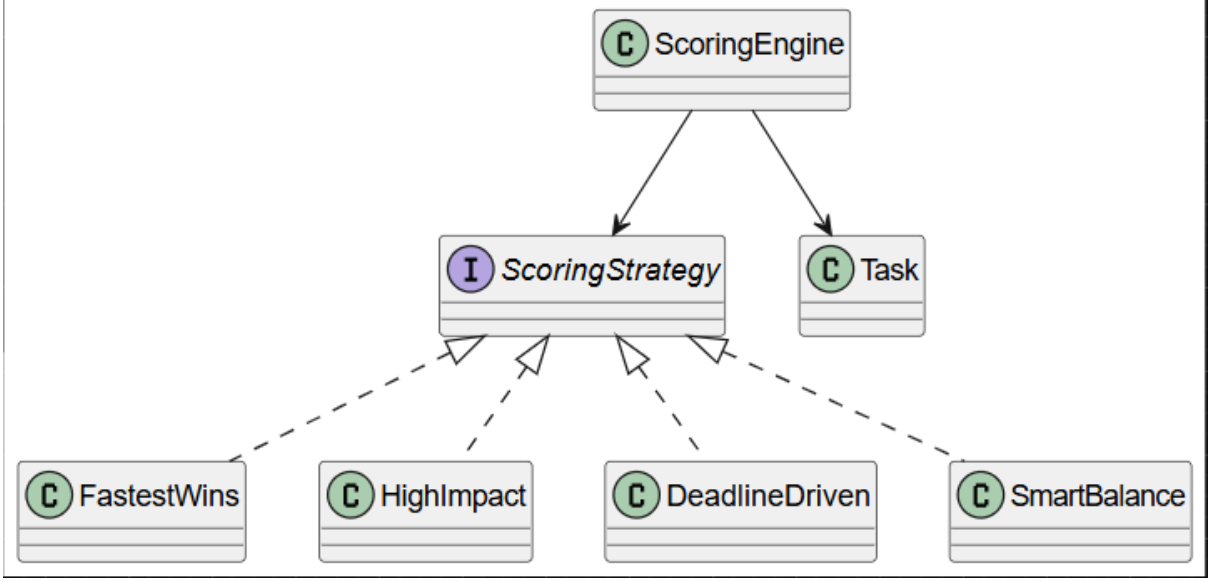

class-diagram
ScoringEngine
score(Task): float
Task
id: int
title: string
due_date: date
estimated_hours: float
importance: int
dependencies: List<Task>
1
*
depends on
ScoringConfig
urgency: float
importance: float
effort: float
dependencies: float


API Call Flow
Client
APIView
TaskSerializer
ScoringEngine
DB
POST /analyze (task list)
validate tasks
save tasks
assign dependencies
detect cycles
score all tasks
fetch dependents
scores + explanations
sorted results
Client
APIView
TaskSerializer
ScoringEngine
DB

Sequence: Analyze request flow



Component diagram (scoring & strategies)