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Low Coupling & High Cohesion

The Schedule Class represents High Cohesion because its only responsibility is to edit itself with editSchedule().

Low Coupling is represented by the Schedule Class, as it is only dependent on Team for creation/deletion since Teams is responsible for storing schedules.

Information Expert

The Team class acts as an information expert for schedules as it contains a collection of schedules for each employee associated with the team.

Creator

Manager is a great example of a creator as the manager has the ability to create or delete teams and the employees that make up those teams.

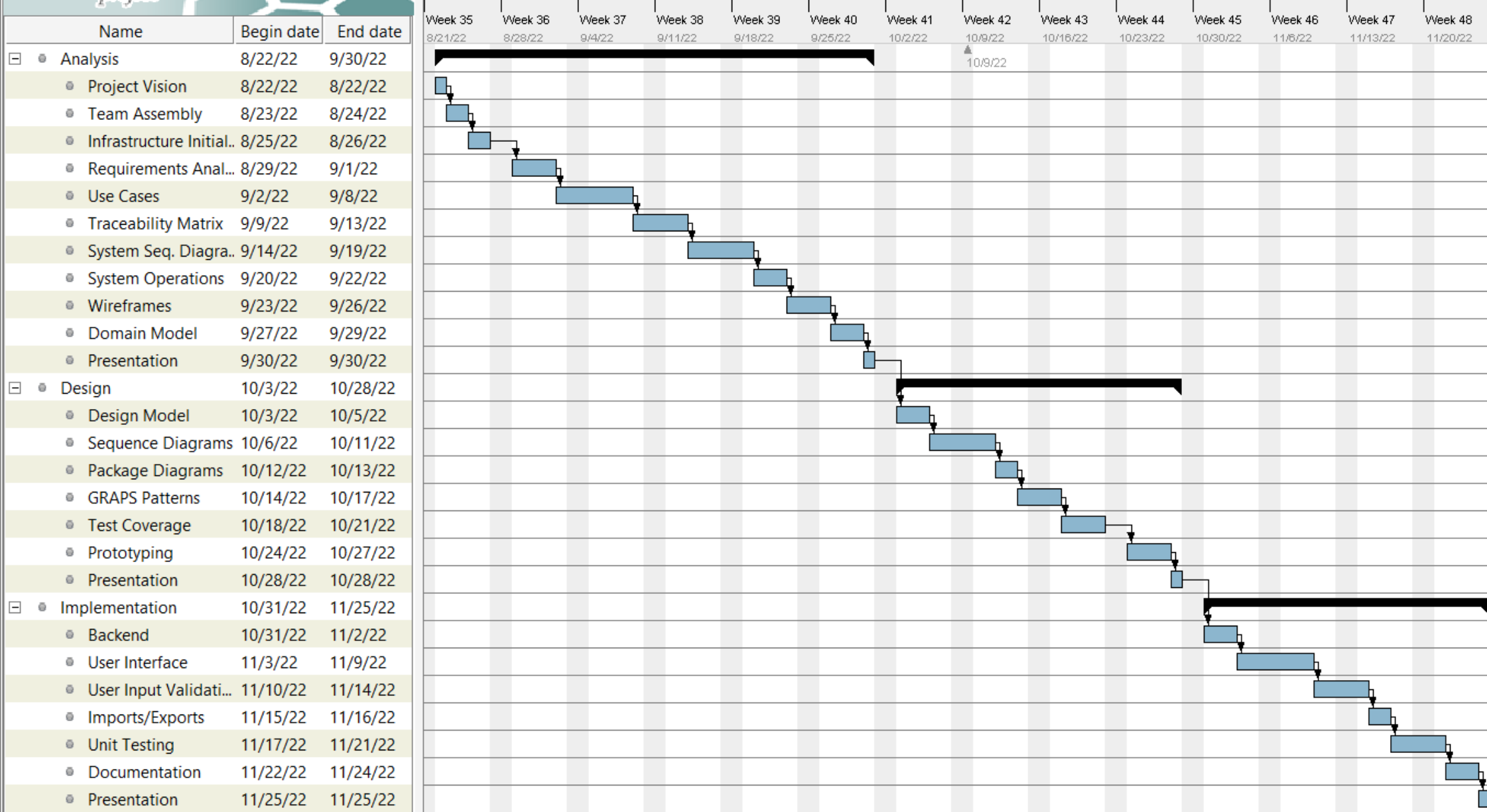
Controller

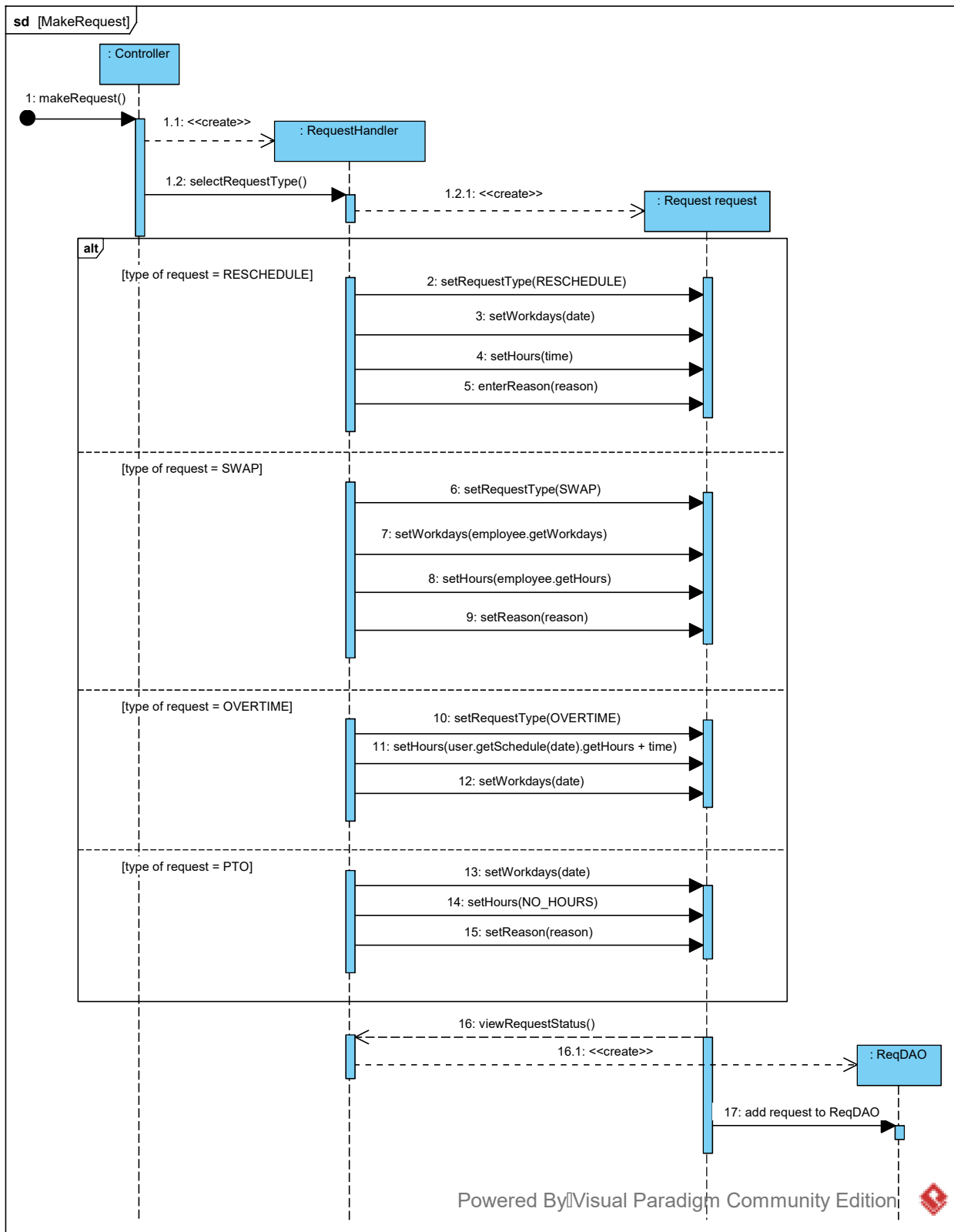
GUI is our controller as it is the driver for all classes which assign responsibilities.

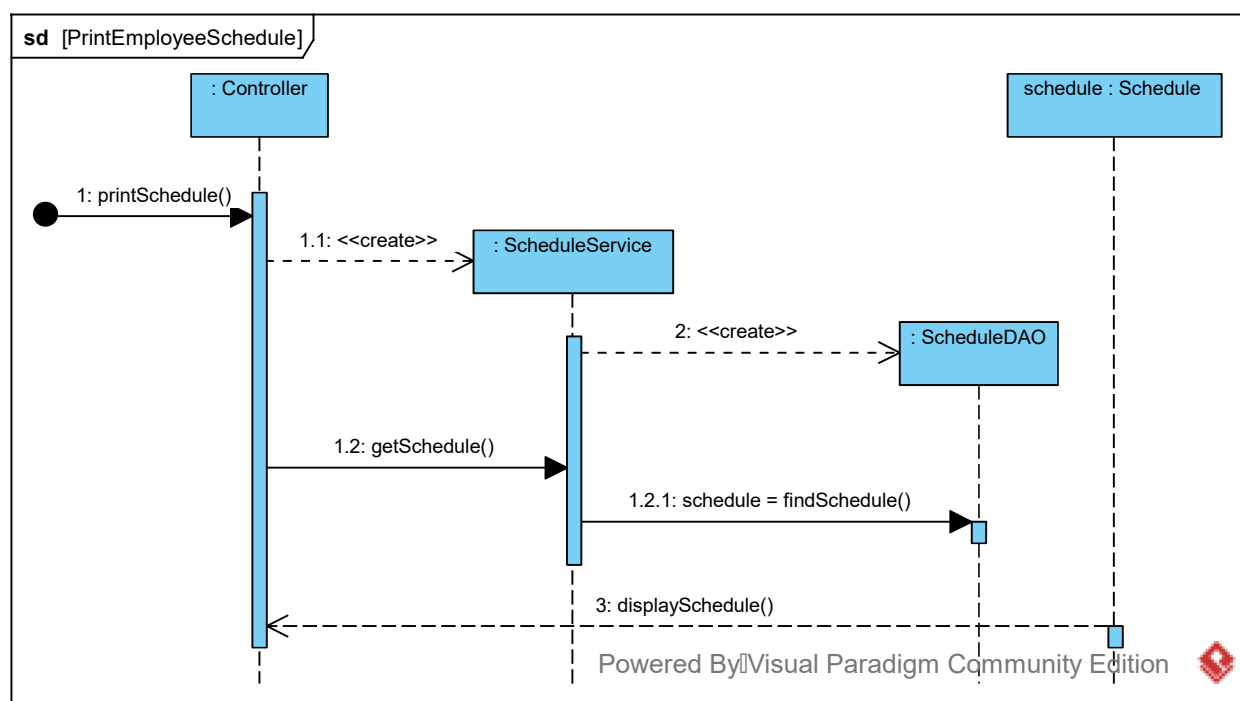
Polymorphism

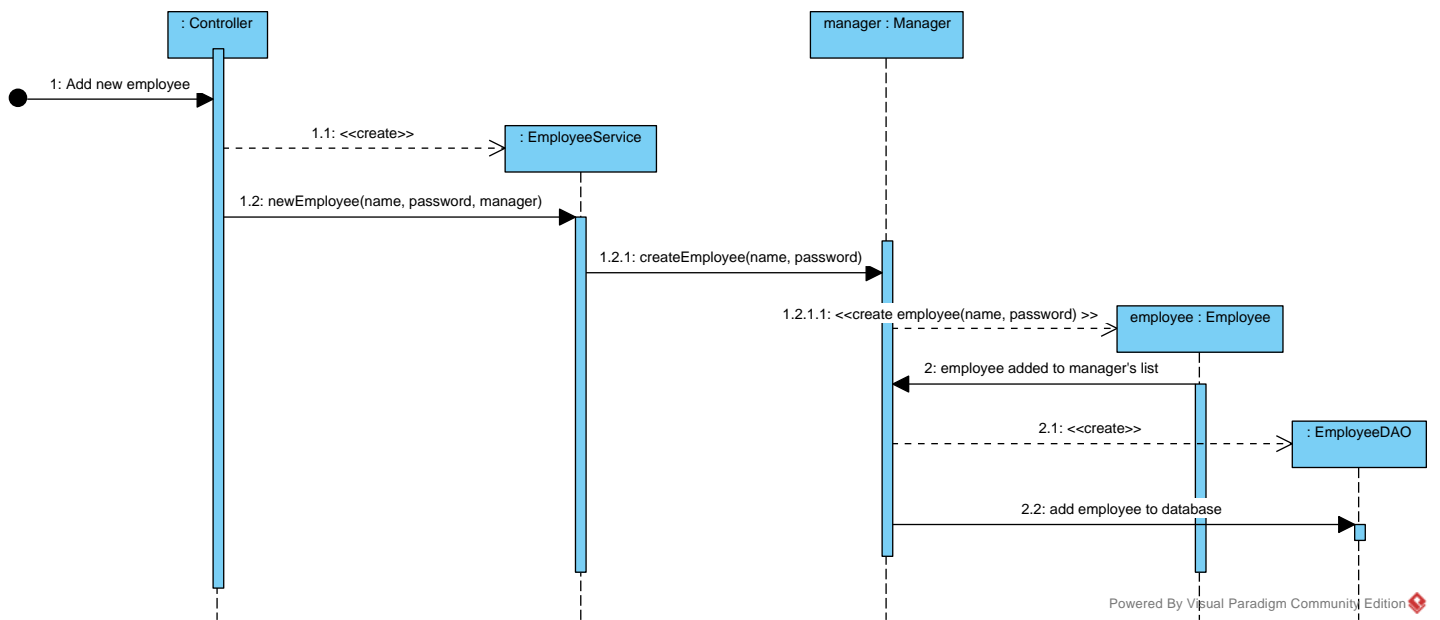
Employee and manager are examples of polymorphism (both extend from the Abstract Person Class).

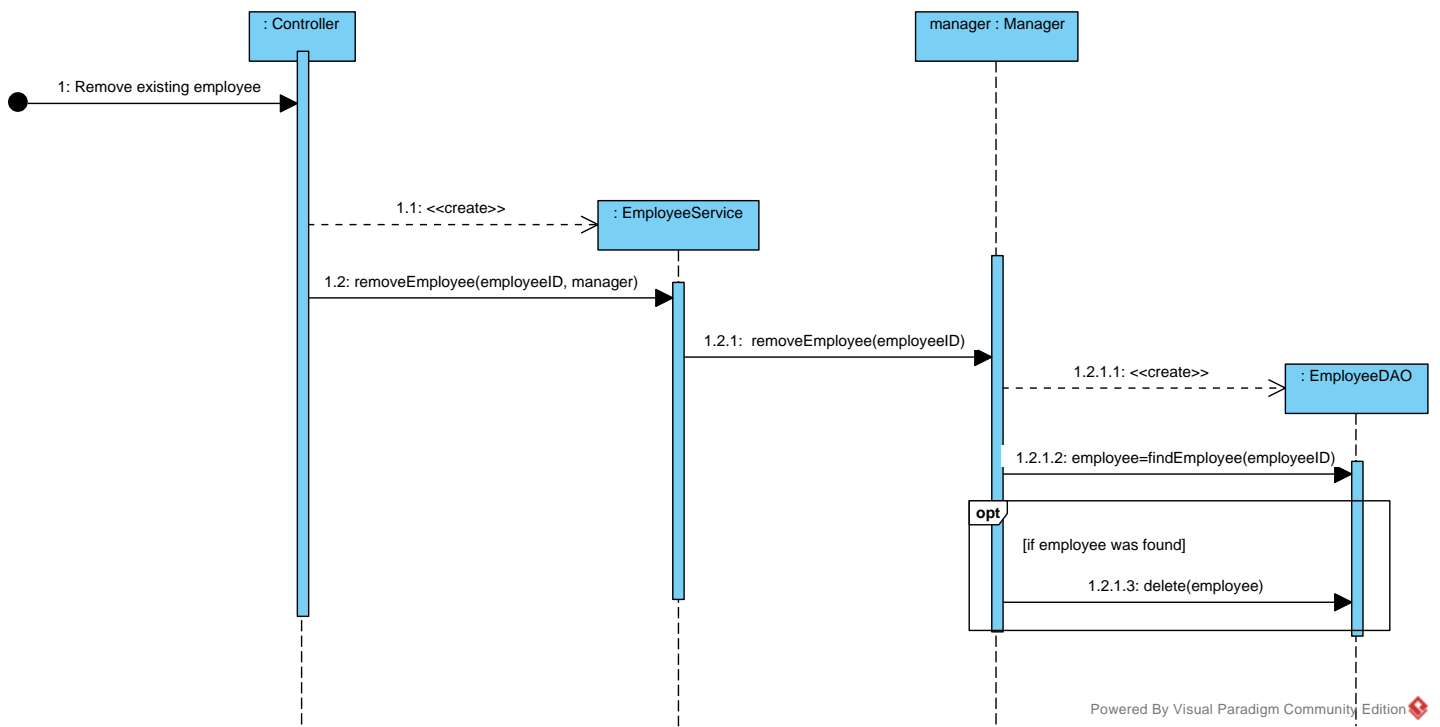
	login()	approve()	deny()	viewStatus()	setDays()	setHours()	createEmployee()	createTeam()	deleteTeam()	removeEmployee()	makeRequest()	setTime()	setSchedule()	deleteSchedule()	addSchedule()	addTeam()	logout()
test with valid input	X				X	X	X	X	X	X	X	X	X	X	X	X	
test with null input	X				X	X	X	X	X	X	X	X	X	X	X	X	
test with wrong input params	X				X	X	X	X	X	X	X	X	X	X	X	X	
test with wrong object type					X	X					X	X	X	X			
test with incorrect enums		X	X	X	X	X					X	X	X	X	X		
test with out of range		X	X	X	X	X					X	X	X	X	X		X
test with edge case					X	X					X	X	X	X	X		X
test for collision					X	X					X	X	X	X			
test collision handling							X	X			X	X	X	X	X	X	
test for duplication							X	X	X	X						X	X
test for empty input	X				X	X	X	X	X	X		X	X	X	X	X	

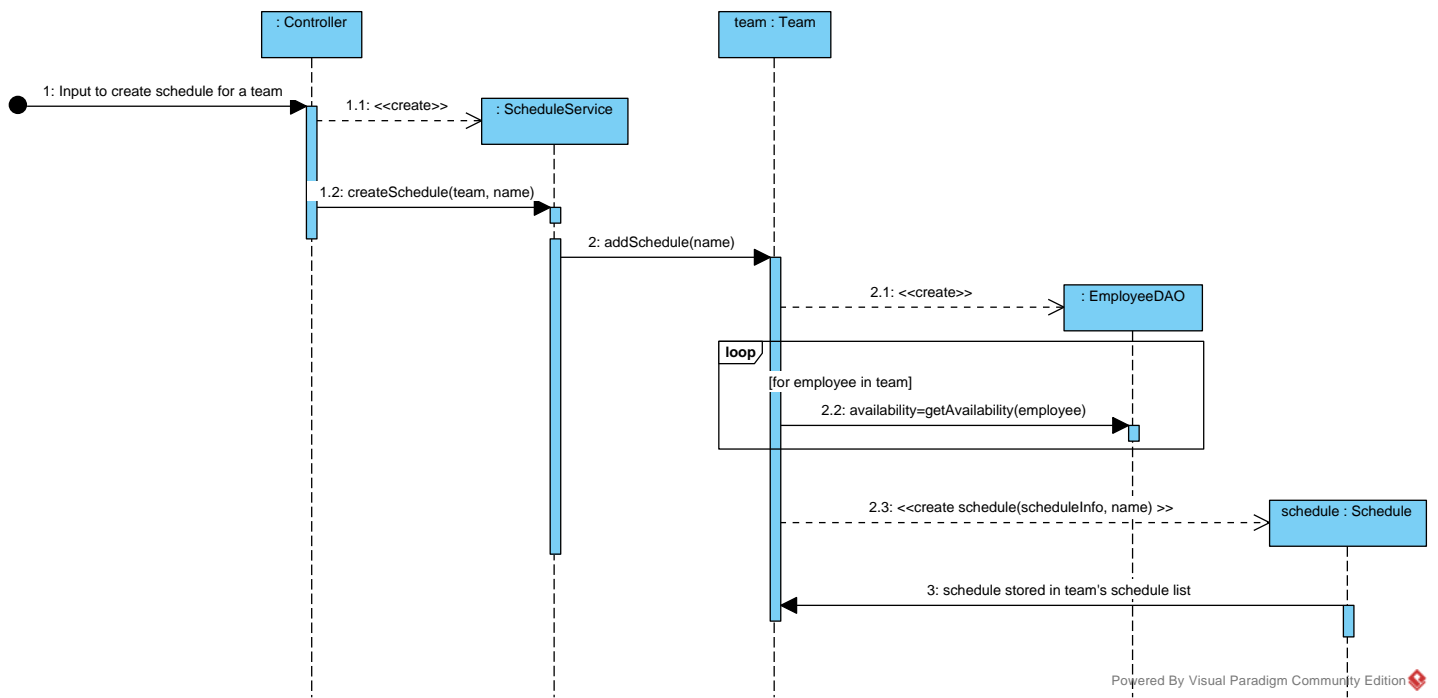


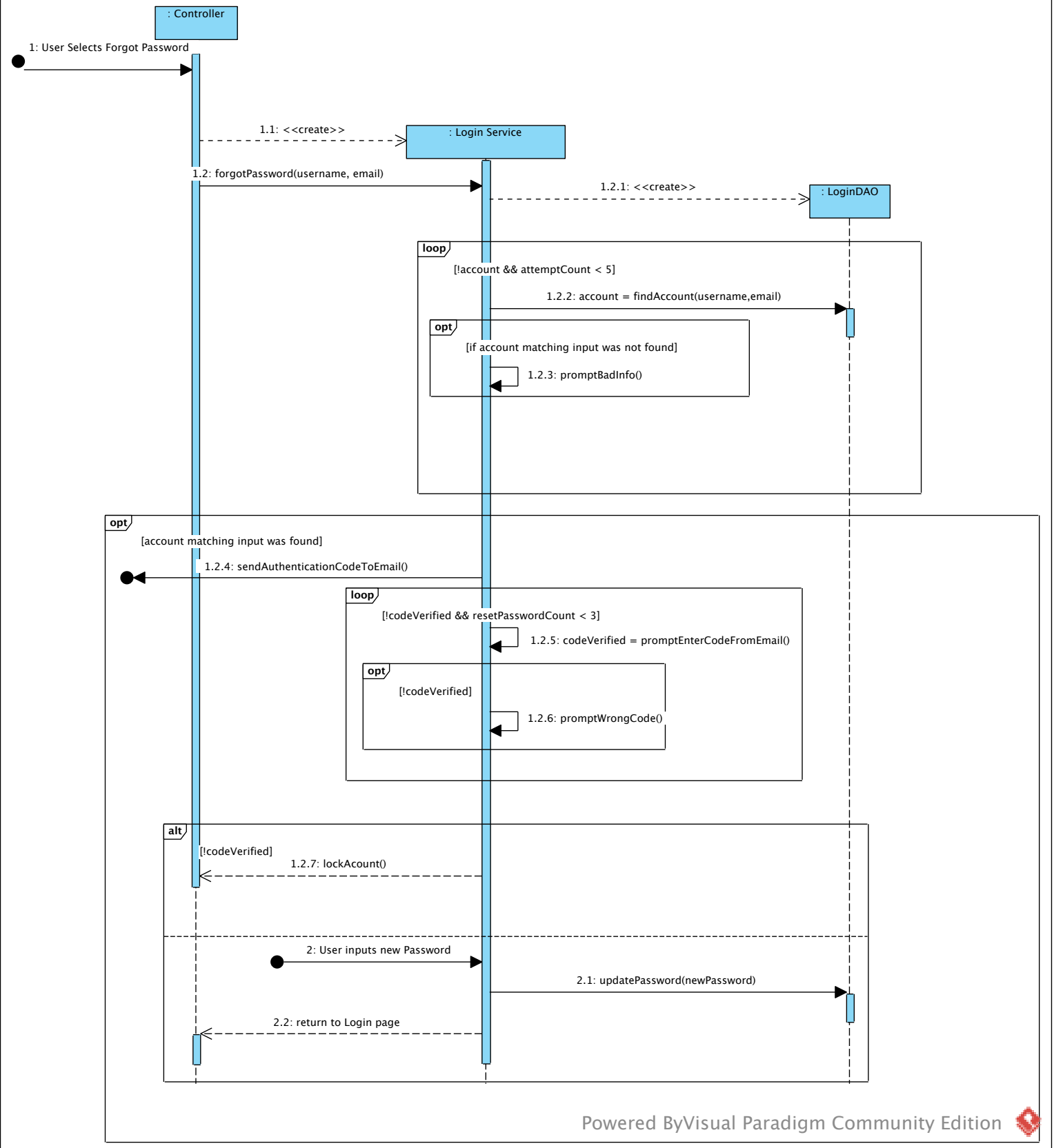




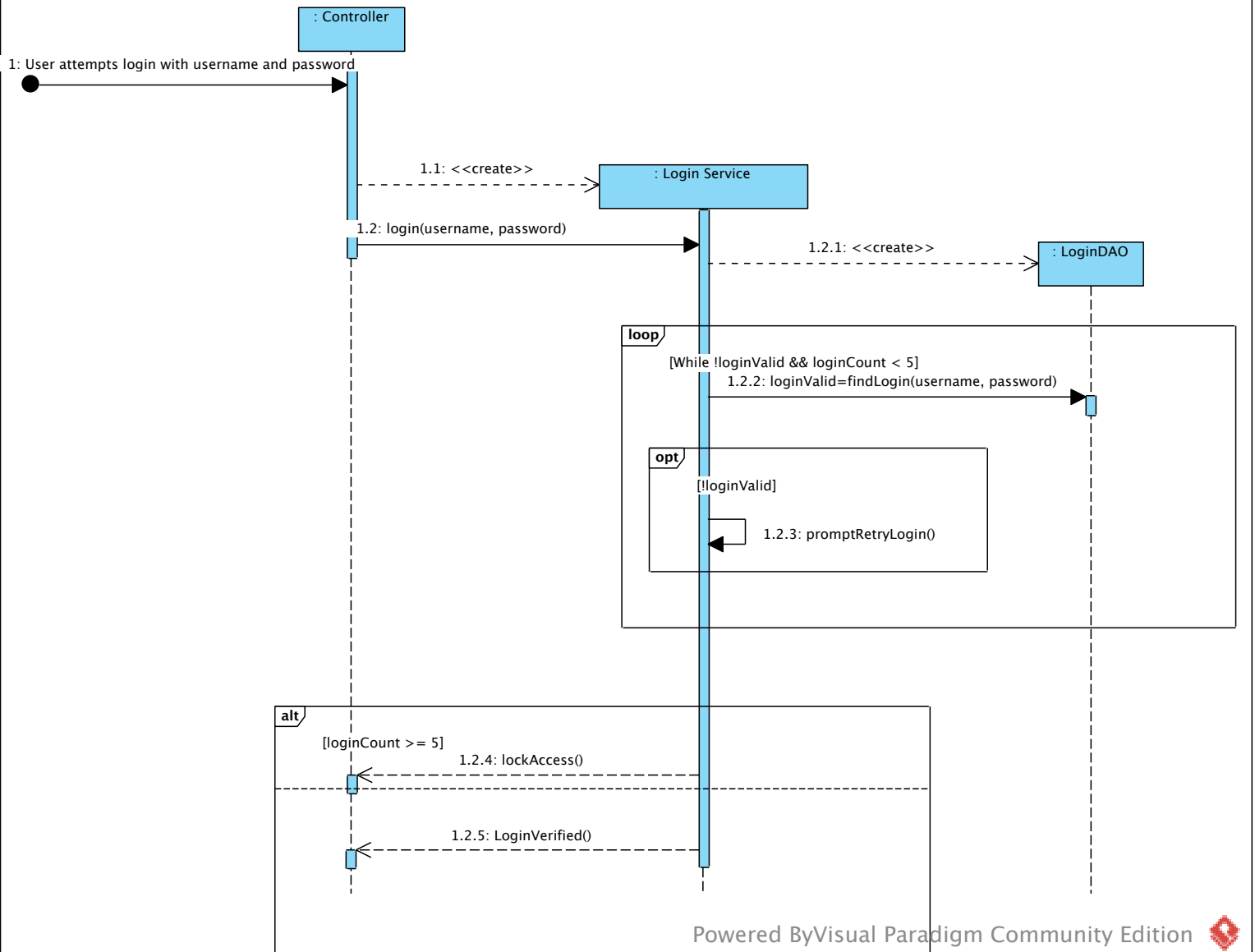




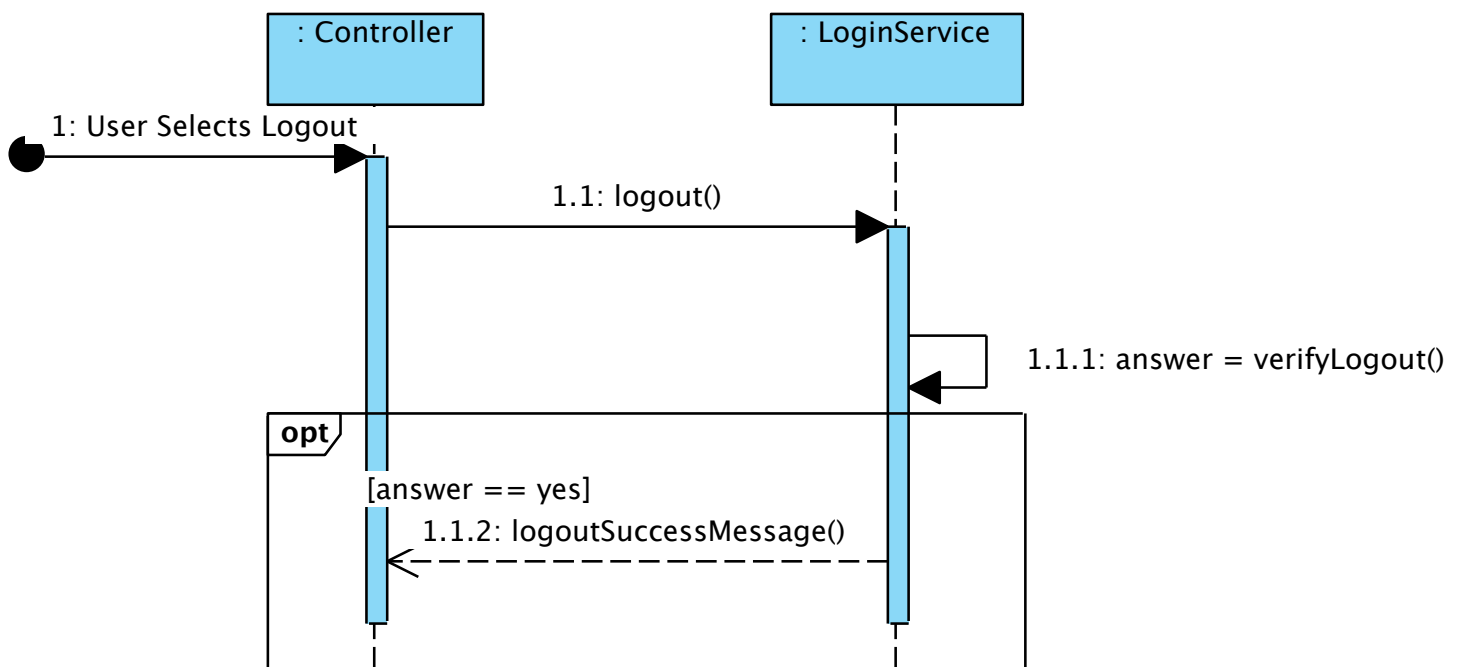


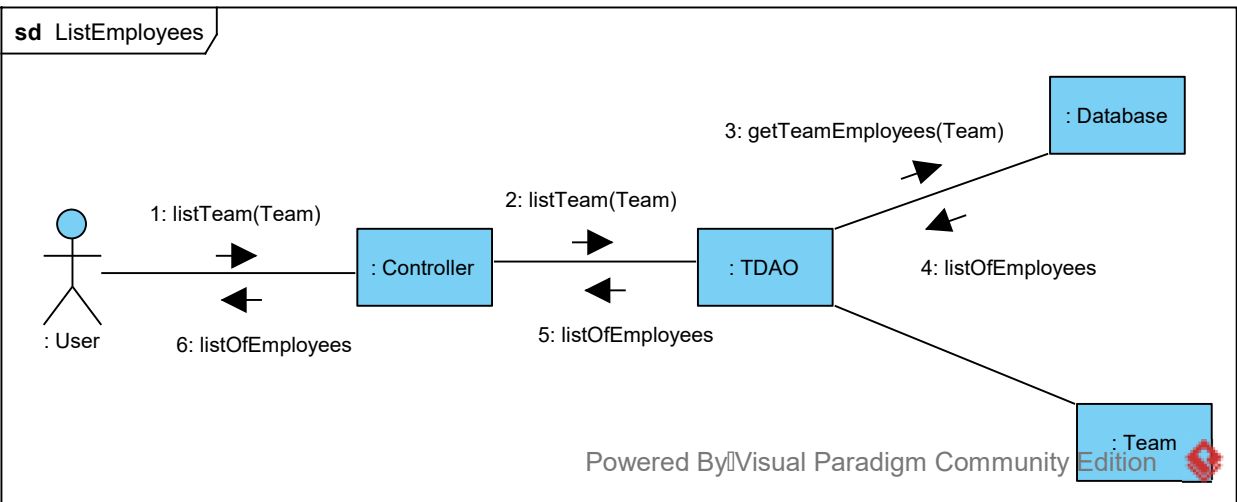


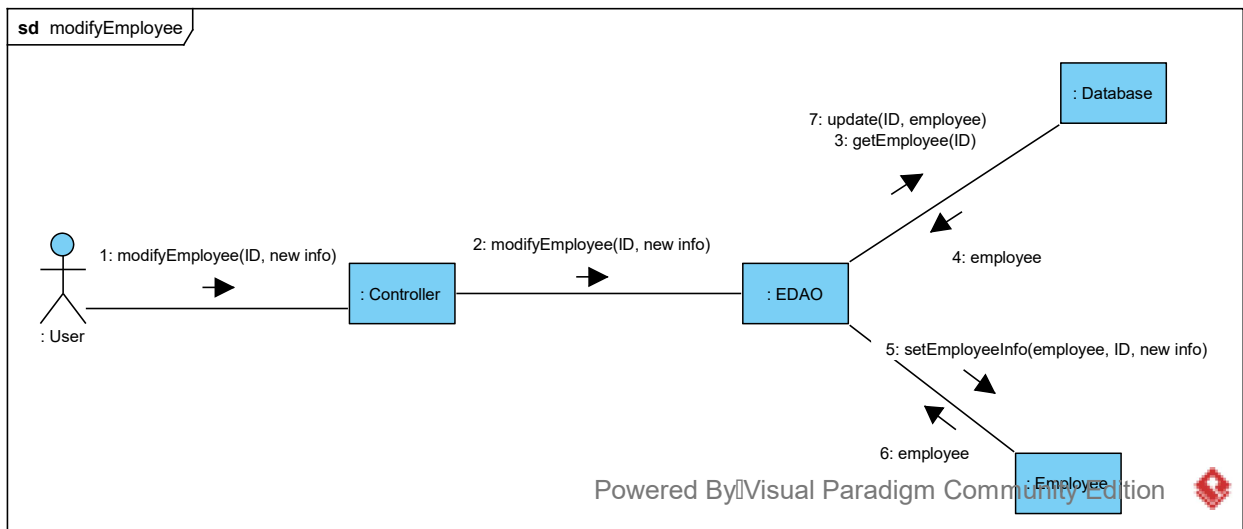
sd [Sequence Diagram1]

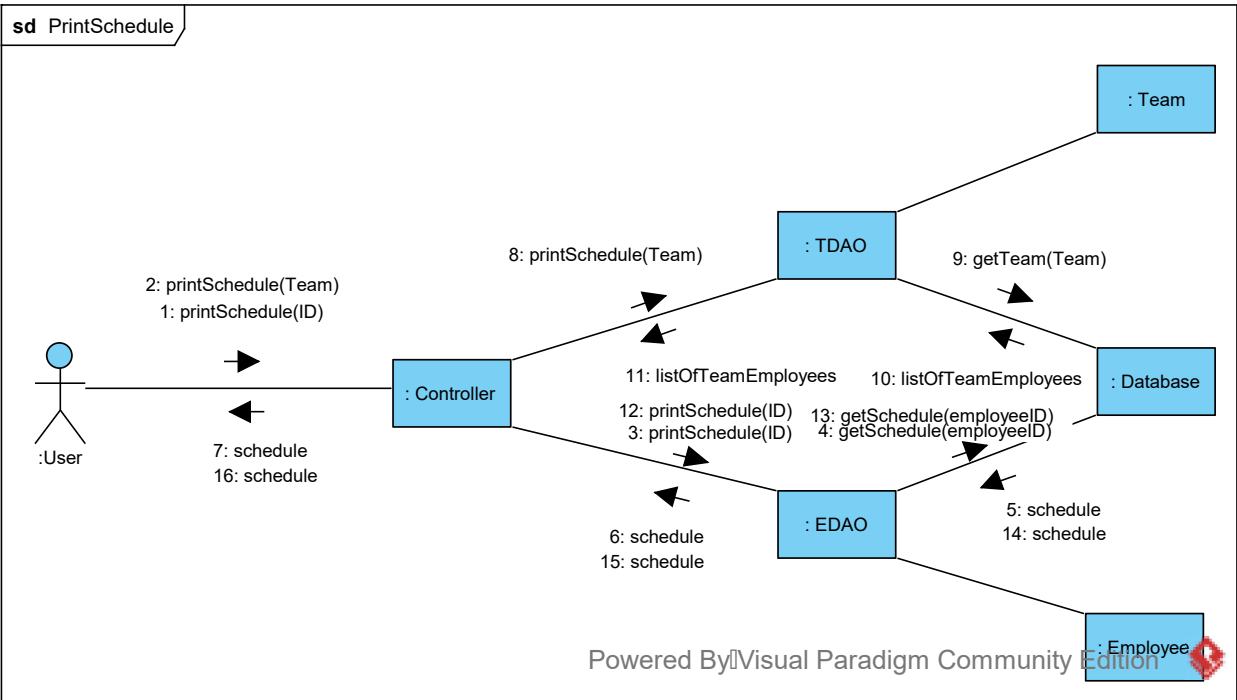


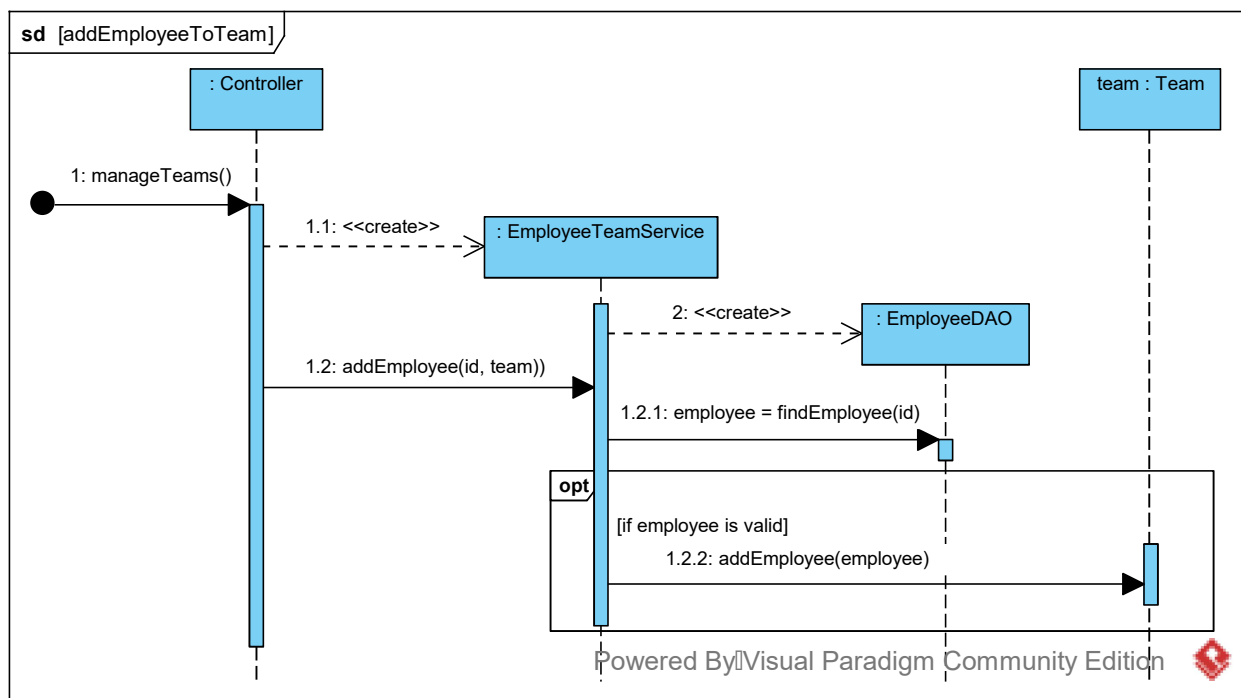
sd [Sequence Diagram2]











September 30, 2022 – October 30, 2022

Period: 1 month ▾

Overview

1 Active pull request

0 Active issues



1

Merged pull request



0

Open pull requests



0

Closed issues



0

New issues

Excluding merges, **5 authors** have pushed **53 commits** to main and **53 commits** to all branches. On main, **57 files** have changed and there have been **656 additions** and **0 deletions**.



Final Times/Commits

Josh - 22 hrs, 21 commits

Nick - 26 hrs, 15 commits

Brad - 25 hrs, 9 commits

Bailey - 21 hrs, 8 commits