

The Jungle Game

Cheshire Coders

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Logical Architecture

Domain

edu.colostate.cs.cs414.chesshireCoders.jungleClient.network

edu.colostate.cs.cs414.chesshireCoders.jungleUtil

edu.colostate.cs.cs414.chesshireCoders.jungleUtil.events

edu.colostate.cs.cs414.chesshireCoders.jungleUtil.game

edu.colostate.cs.cs414.chesshireCoders.jungleUtil.listeners

edu.colostate.cs.cs414.chesshireCoders.jungleUtil.requests

edu.colostate.cs.cs414.chesshireCoders.jungleUtil.responses

edu.colostate.cs.cs414.chesshireCoders.jungleUtil.security

edu.colostate.cs.cs414.chesshireCoders.jungleUtil.types

Technical Services

edu.colostate.cs.cs414.chesshireCoders.jungleServer.service

edu.colostate.cs.cs414.chesshireCoders.jungleServer.service.impl

UI

edu.colostate.cs.cs414.chesshireCoders.jungleClient.ui

Application

edu.colostate.cs.cs414.chesshireCoders.jungleClient.app

edu.colostate.cs.cs414.chesshireCoders.jungleClient.account

edu.colostate.cs.cs414.chesshireCoders.jungleClient.game

edu.colostate.cs.cs414.chesshireCoders.jungleClient.client

edu.colostate.cs.cs414.chesshireCoders.jungleClient.handler

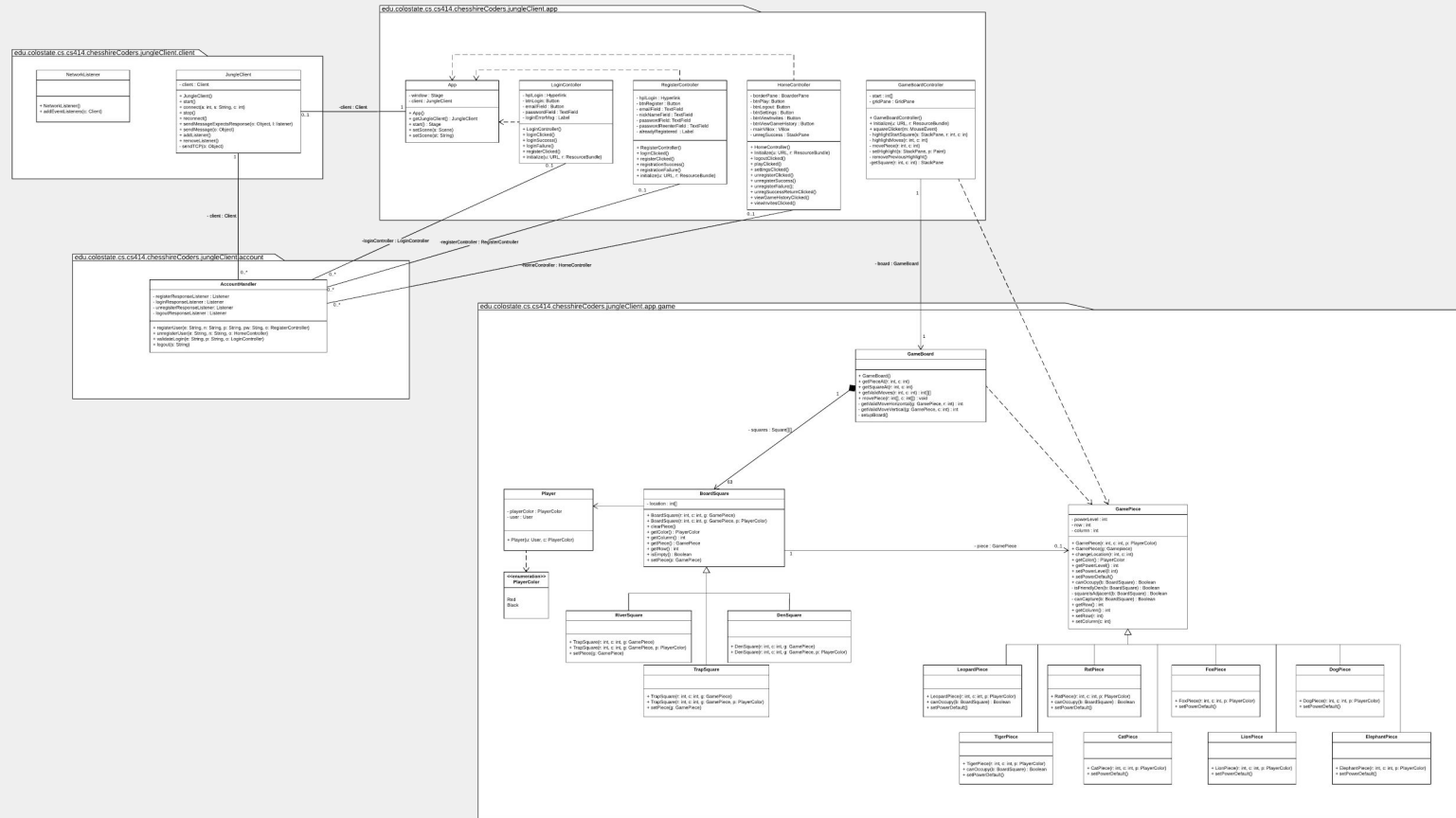
Foundation

edu.colostate.cs.cs414.chesshireCoders.jungleServer.persistence

edu.colostate.cs.cs414.chesshireCoders.jungleServer.persistence.dao

edu.colostate.cs.cs414.chesshireCoders.jungleServer.dao.postgres

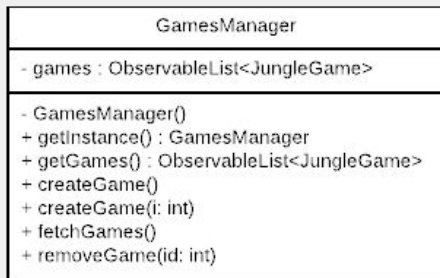
Design Class Diagram: Jungle Client - Before



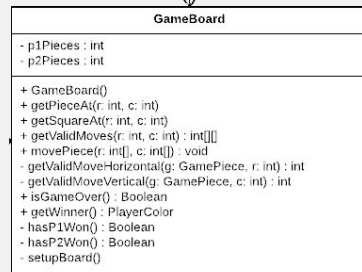
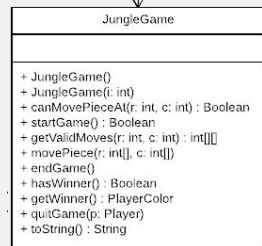
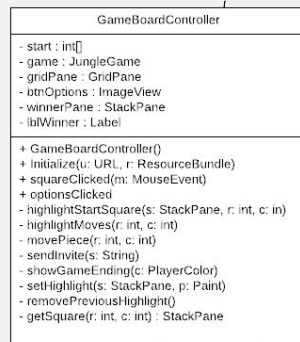
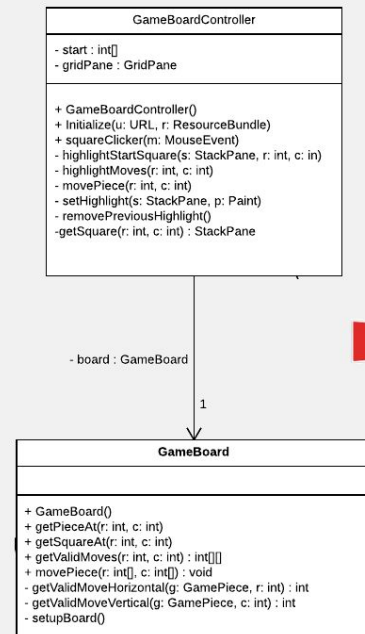
[illegible]

Design Class Diagram: Jungle Game

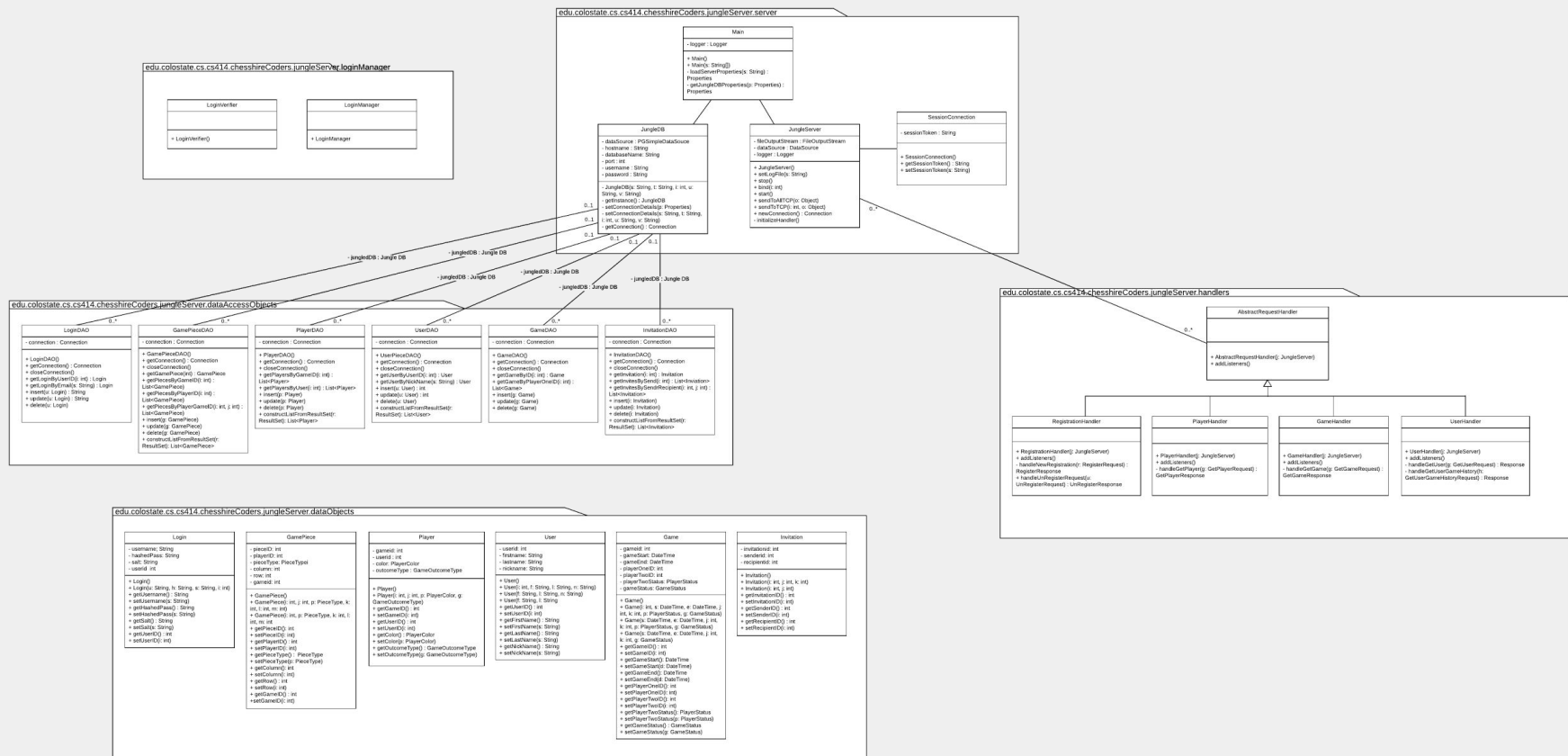
Addition of Singleton Manager Classes



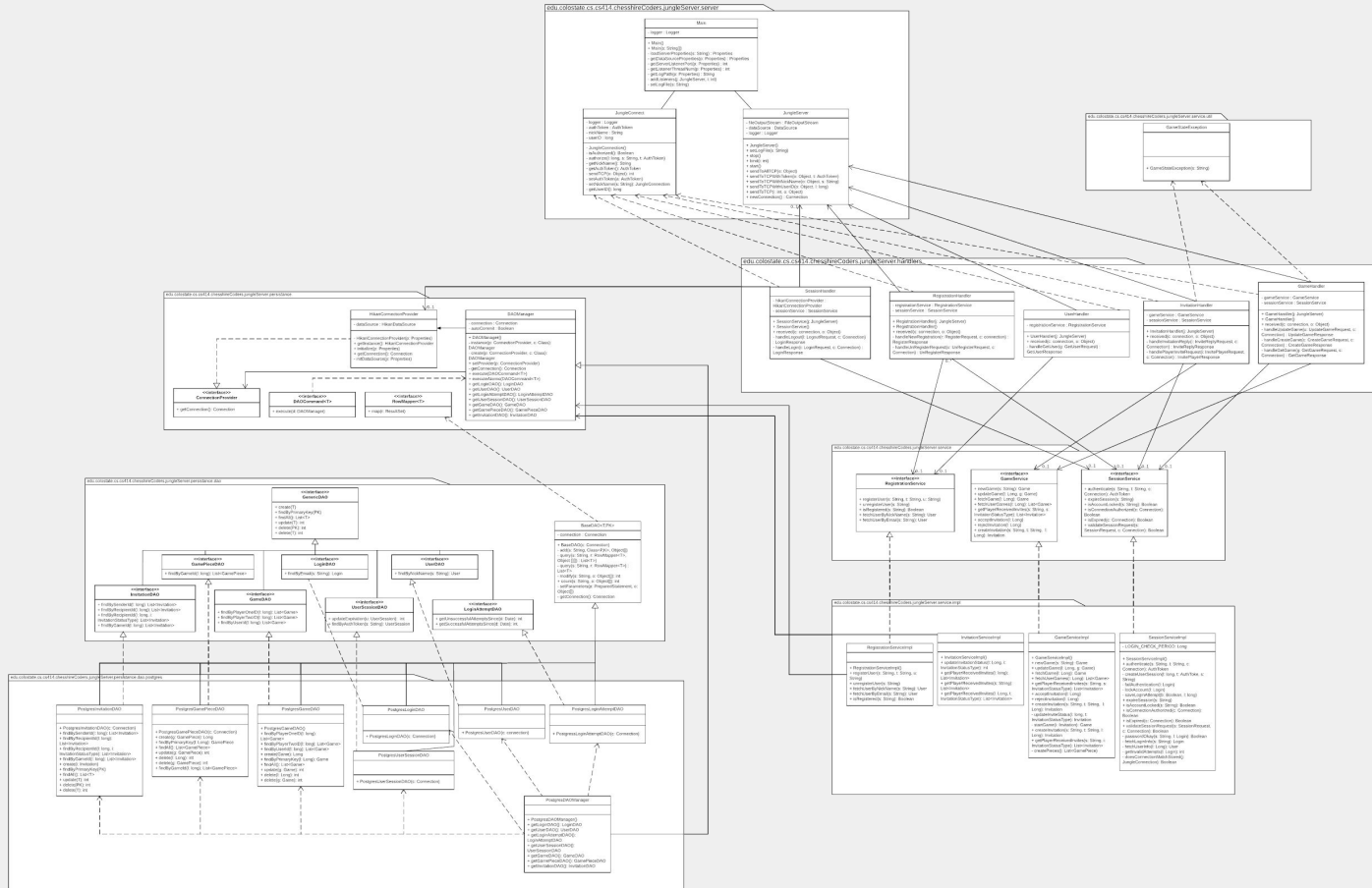
Addition of JungleGame Class



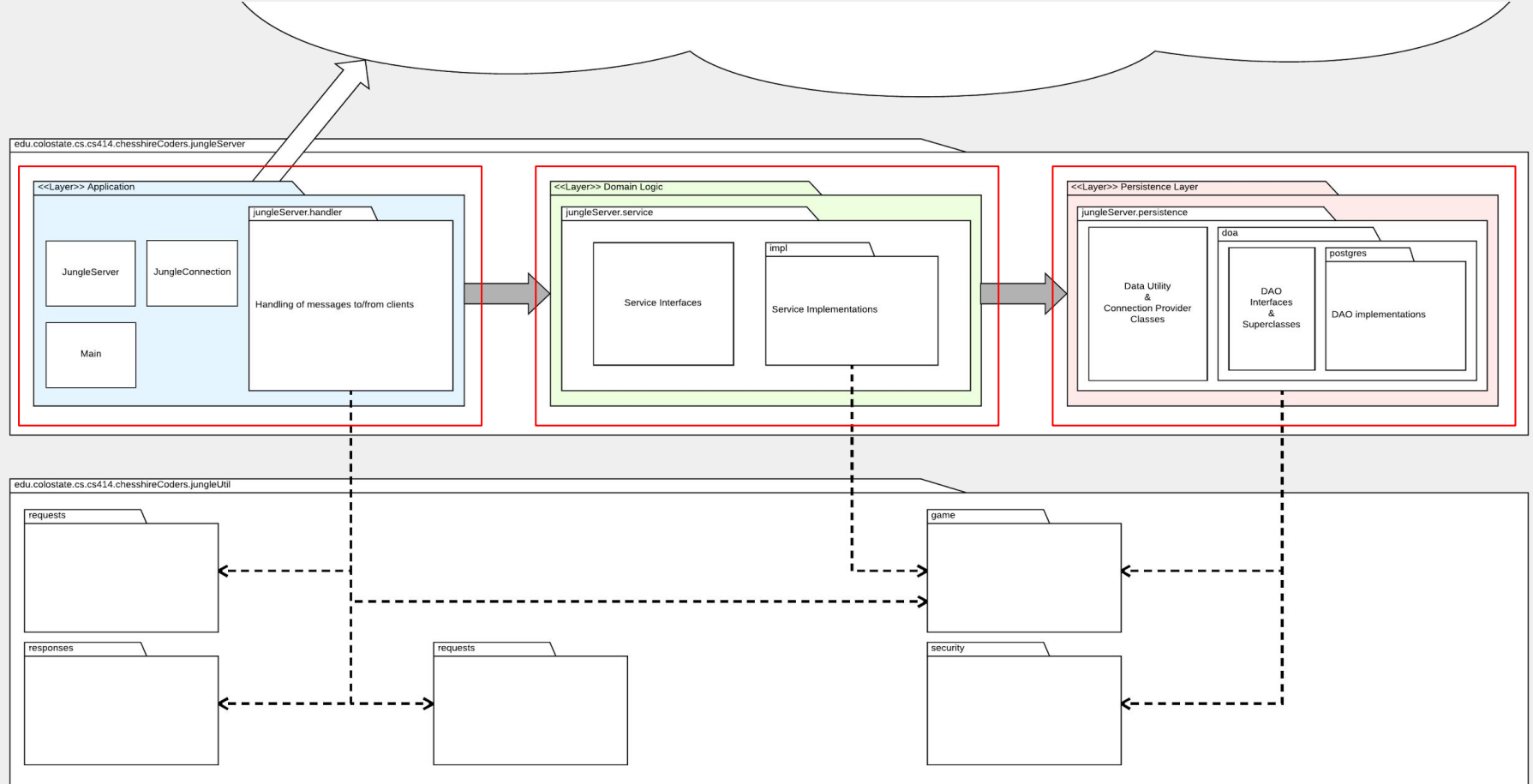
Design Class Diagram: Jungle Network - Before



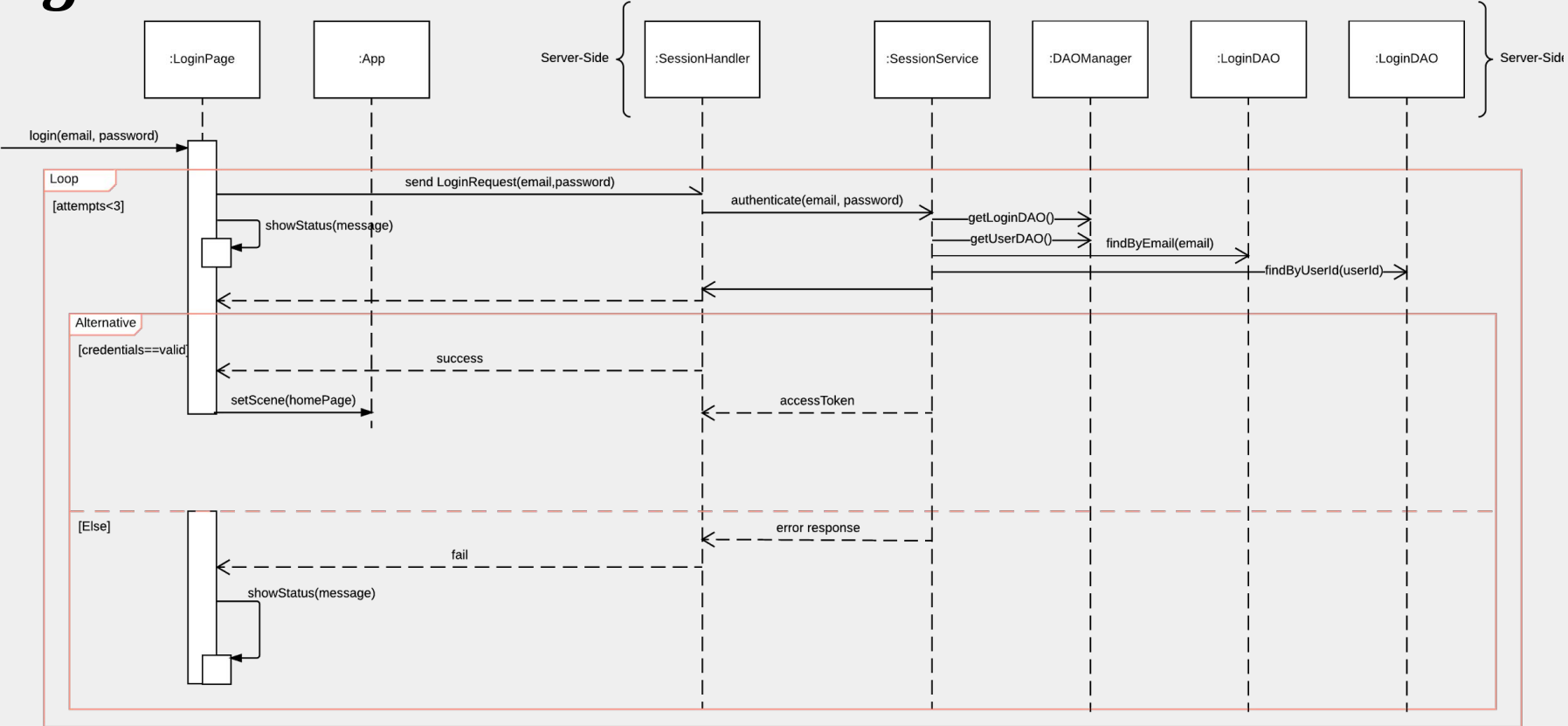
Design Class Diagram: Jungle Server - After



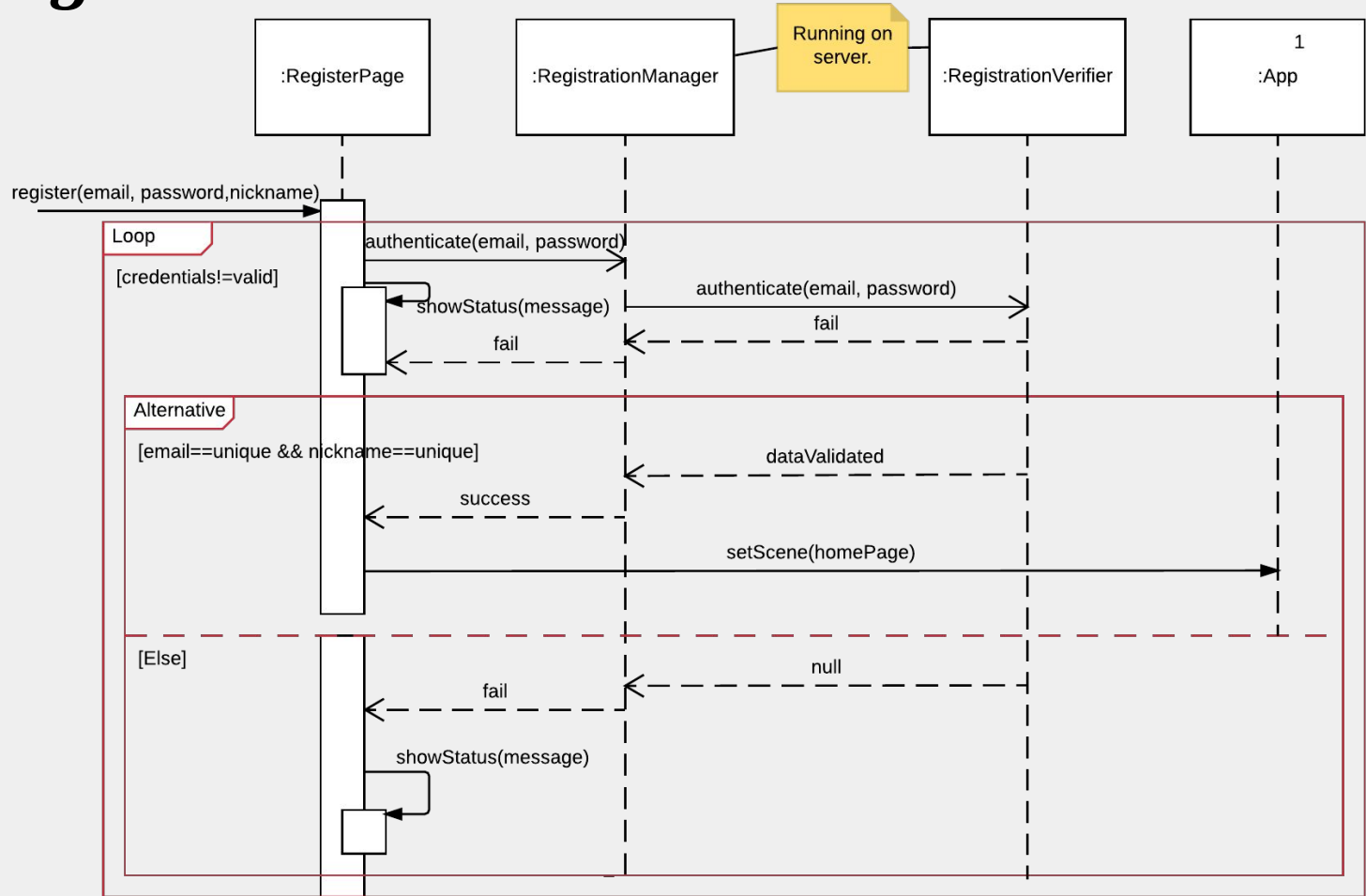
Server Structure & Packages



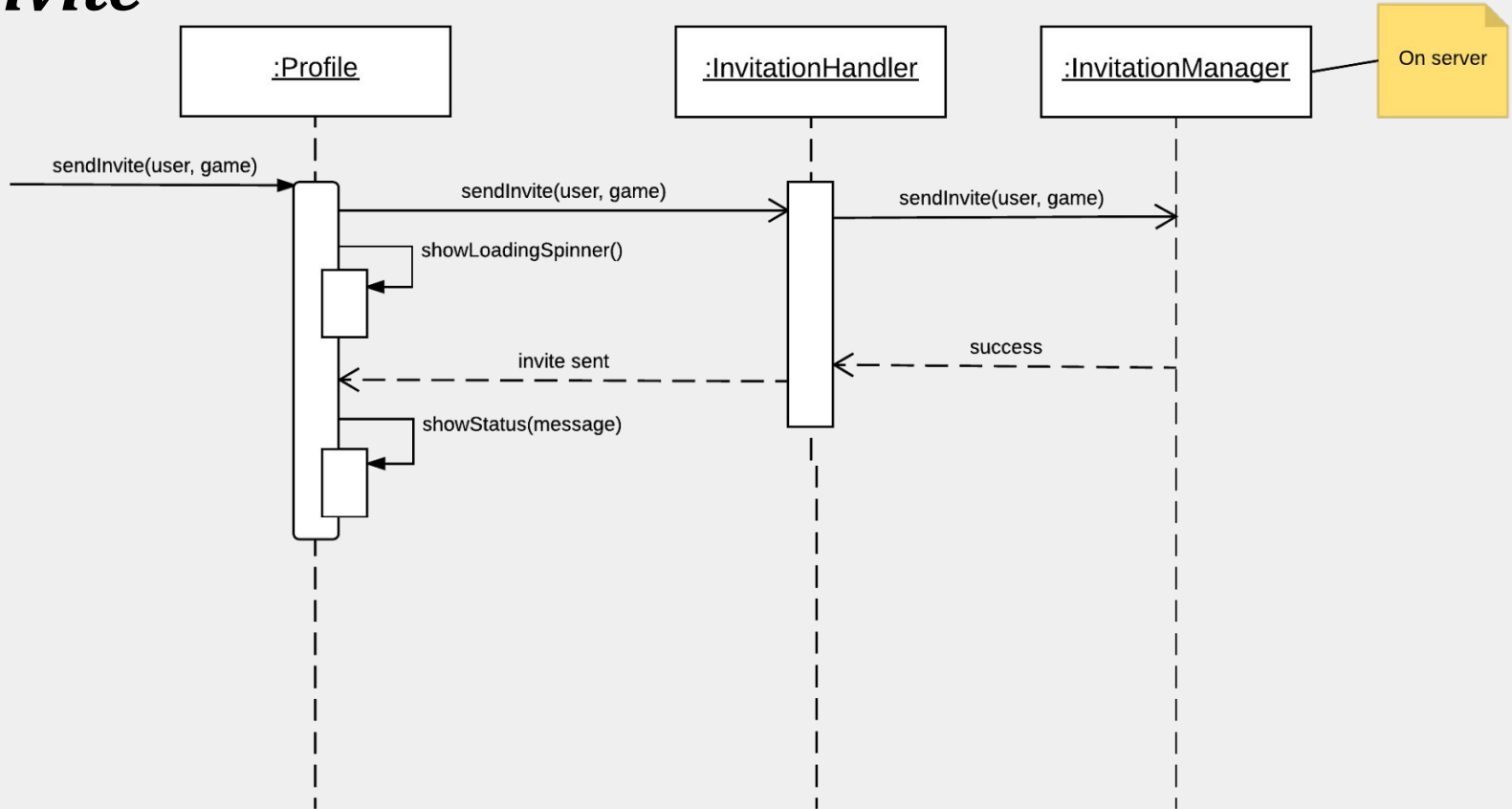
Sequence Diagram: Login



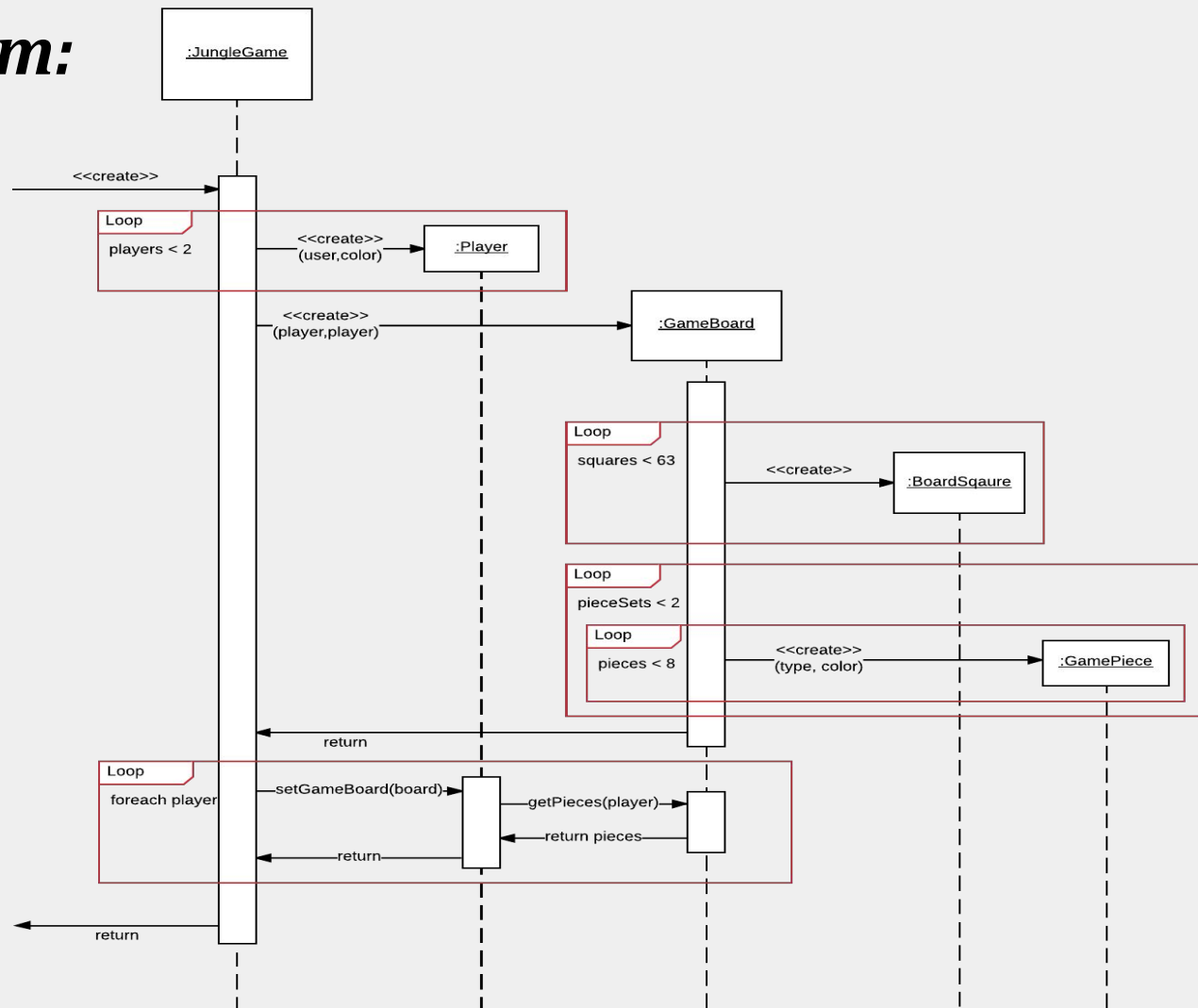
Sequence Diagram: Register



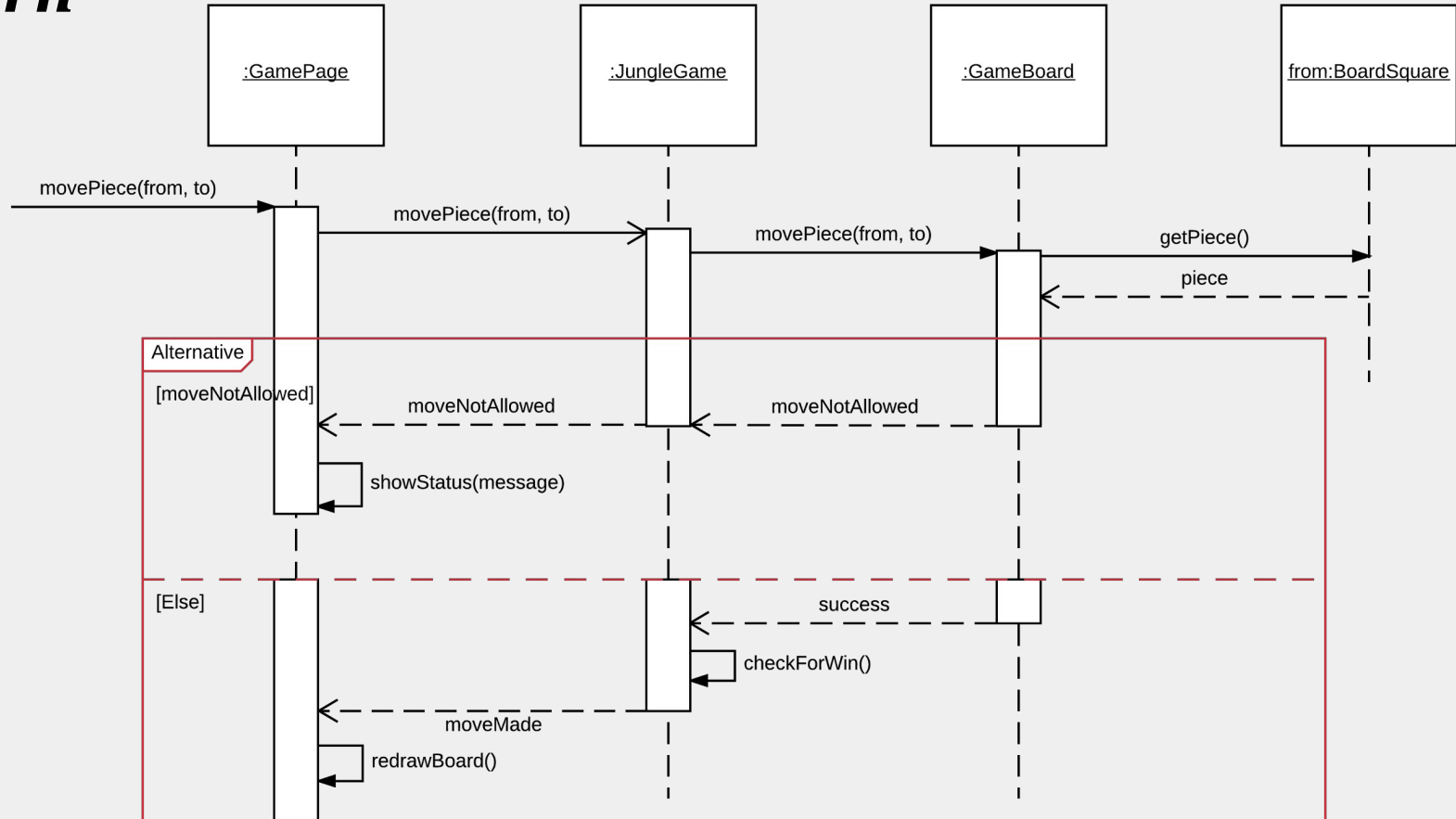
Sequence Diagram: Game Invite



Sequence Diagram: Create Game



Sequence Diagram: Take Turn



Refactoring and Design Pattern List

- Singleton
- Factory Method
- Abstract Factory Method
- Prototype
- Facade
- Decorator

Traceability Link Matrix

	Login	Jungle Game	Game Board	Game Piece	Board Square	Player	User	Invite Manager	Invitation
#1: Register to the system	x						x		x
#2: Create a new game	x	x	x						x
#3: Invite other users to a game	x							x	x
#4: Respond to Game Invitation	x		x			x		x	x
#5: Quit Game	x	x	x			x			
#6: Unregister from System	x						x		
#7: View Player Profile	x					x			
#8: Log in to System	x						x		
#9: Log out of System	x						x		
#10: Move Game Piece	x	x	x	x	x	x			
#11: Switch Game	x	x	x			x			

Demo

***Questions
And
Discussion***