# The Jungle Game

#### **Chesshire Coders**

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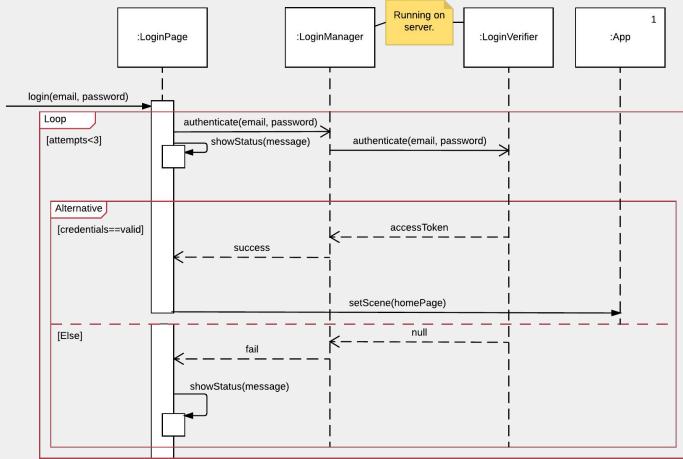
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# Sequence diagrams

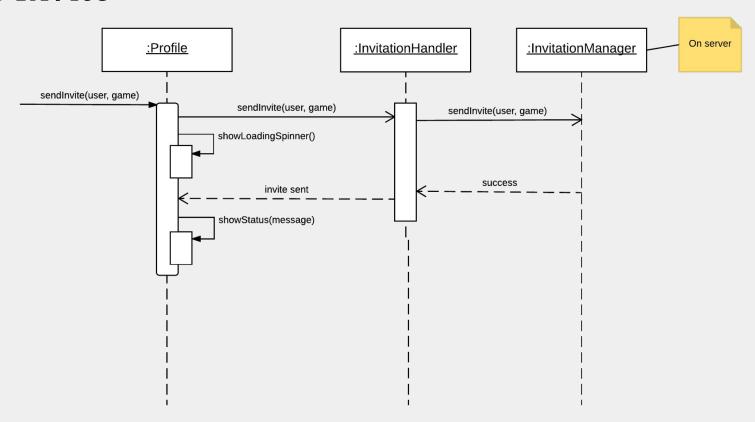
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# Login

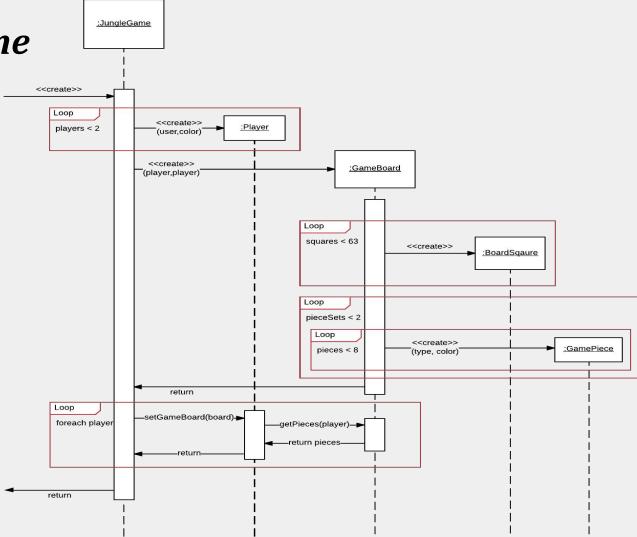


#### Running on Register server. :RegisterPage :RegistrationManager :RegistrationVerifier :App register(email, password,nickname), Loop authenticate(email, password) [credentials!=valid] authenticate(email, password) fail fail Alternative [email==unique && nckname==unique] dataValidated success setScene(homePage) [Else] null fail showStatus(message)

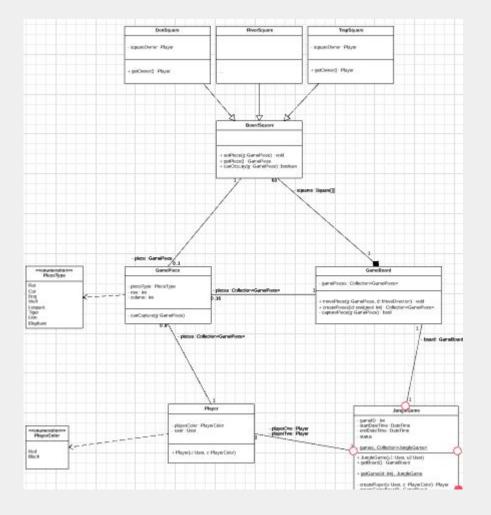
#### Game Invite



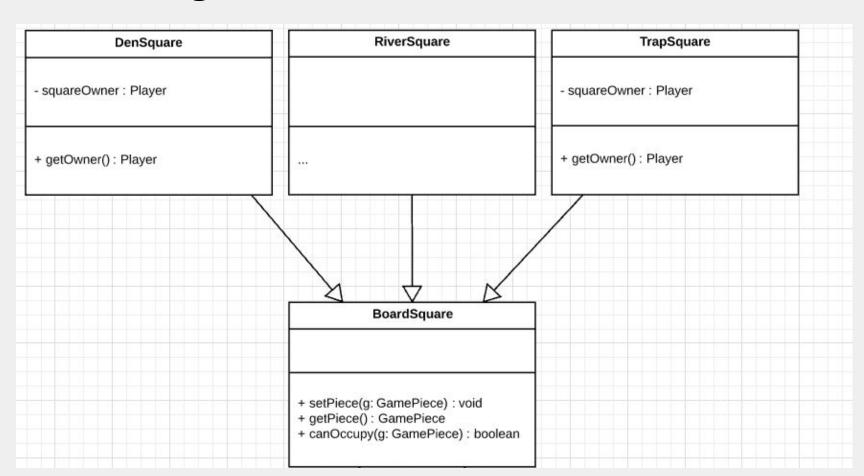
# Create Game

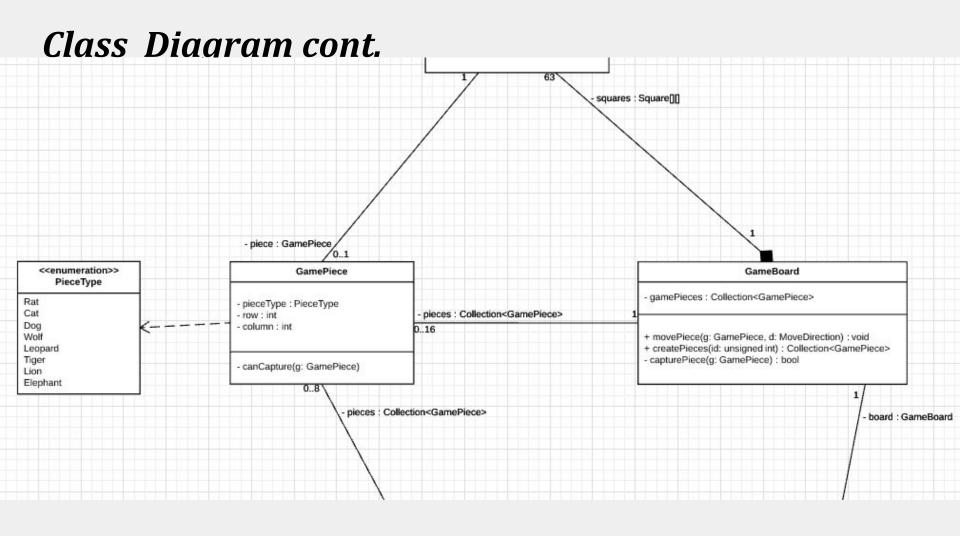


# Class Diagram

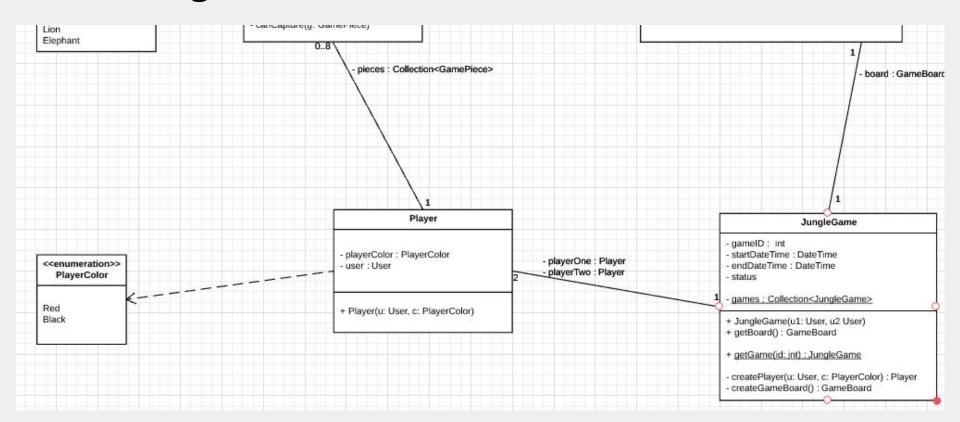


#### Class Diagram





# Class Diagram cont.



#### List of test cases:

#### TestBoardSquare:

testSetLocation bottom right corner testSetLocation column too big testSetLocation column too small testSetLocation row too big testSetLocation row too small testSetPowerLevel zero testSetPowerLevel too small testSetPowerLevel eight testSetPowerLevel too big testCanOccupy river testCanOccupy river rat testCanOccupy\_friendly\_piece testCanOccupy friendly den testCanOccupy square not adjacent row testCanOccupy square not adjacent column testCanOccupy square not adjacent leopard

#### TestGameBoard:

testGetPieceAt normal testGetPieceAt column too big testGetPieceAt column too small testGetPieceAt empty square testGetPieceAt row too big testGetPieceAt row too small testGetSquareAt top left table edge testGetSquareAt bottom right table edge testGetSquareAt column too big testGetSquareAt column too small testGetSquareAt row too big testGetSquareAt row too small testGetValidMoves corner testGetValidMoves leopard testMovePiece

#### TestBoardSquare:

testConstructorWithPlayerColor testClearPiece testIsEmpty testIsEmpty\_not testSetPiece testSetPiece\_null

# Questions And Discussions