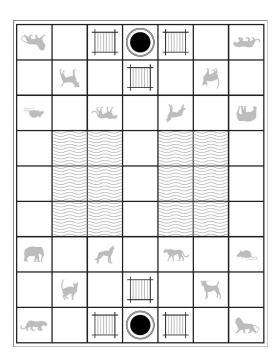
Spaghetti-Coders Jungle Sprint 3

EJ Lee
Sam Stobbelaar
Jeff Bradley
Vlad Stepanuga
John Miller



Jungle Refresher

- 8 animals per player, ranked from 1 to 8: Rat, Cat, Wolf, Dog,
 Panther, Tiger, Lion, Elephant
- Every piece can move one space *horizontally* or *vertically* to an **open land space** or a 'weaker' enemy piece. Pieces can't move into their own den.
- Certain pieces have special moves:
 - Rat can move freely in water
 - Rat can capture Elephant (but not from a water space)
 - Lion and Tiger (Big Cats) can jump over water horizontally or vertically
- When a piece moves onto an enemy trap, it is vulnerable to being captured by any enemy piece
- Winning:
 - Player moves a piece into the opponent's den
 - Player captures all of the opponent's pieces



Processes

- The team utilized mainly Agile methodologies to complete this project, using:
 - Incremental Development
 - o Paired-Programming
 - Agile-style meetings:
 - Sprint Planning Sessions
 - Bi-weekly Standups
 - Sprint Reviews and Retrospectives

Tools















reactstrap



Design Decisions

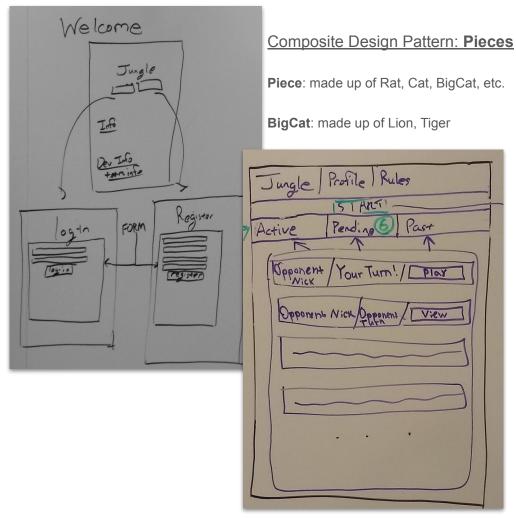
- Welcome Page
- Allow user to either make a new account or use their existing account

Main Page

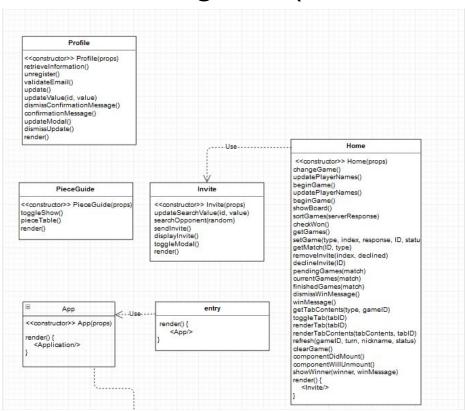
- o Tabs for Home, Profile, & Rules
- Three types of games contained in inner tabs: Active, Pending, & Finished
- o Invite Button: by nickname or random

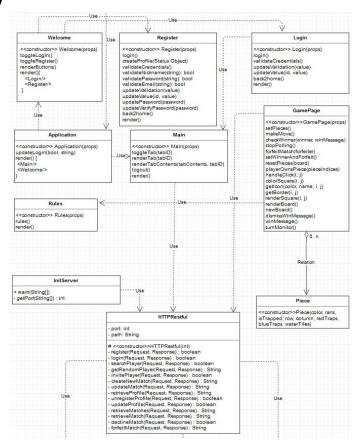
Database

 All games and players stored in SQL database to allow end-to end communication

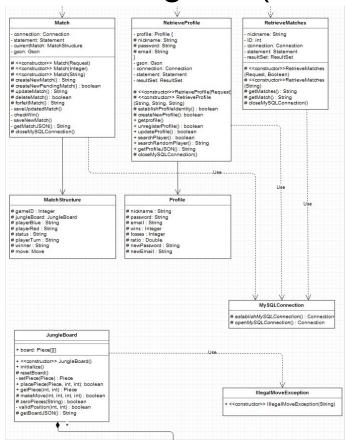


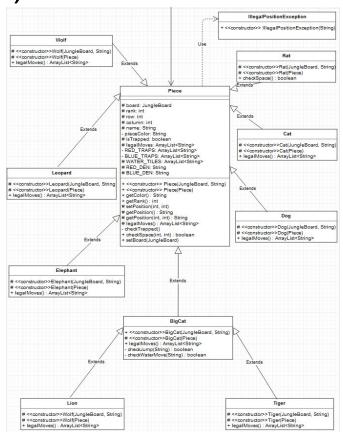
Class Diagram (Client Side)





Class Diagram (Server Side)





Traceability Link Matrix - server

SERVER	InitServer	HTTPRestful	MySQLConnection	RetrieveProfile	RetrieveMatches	JungleBoard	Match	MatchStructure	Move	IllegalMoveException	IllegalPositionException	Piece	BigCat
Register	Х	Х	Х	Х									
Login	Х	Х	X	Х									
Play Jungle	Х	Х	X		X	Х	Х	×	Х	X	X	Х	Х
Invite	Х	Х	X				Х						
Accept Invite	Х	Х											
Notifications	Х	X											
Decline Invite	X	Х											
View Current Games	х	Х	X										
View Games History	Х	Х	Х				Х	Х					
Suspend Game	х	×			X		Х	X	Х				
Resume Active Game	Х	×	Х		X		х	X					
Play Multiple Games	Х	×	Х		х								
View Game Rules	Х	×											
Quit/Forfeit Current Game	Х	X	X		X		Х	X					
View Profile	X	X	X	Х									
Logout	Х	Х											
Unregister	X	Х	X	Х									
View Board	X	X	X		X								

Traceability Link Matrix - client

CLIENT	Welcome	Register	Login	Home	Main	Invite	GamePage	Rules	PieceGuide	Profile
Register	X	Х								
Login	X		Х							
Play Jungle							Х		Х	
Invite						Х				Х
Accept Invite				Х		Х				
Notifications						Х				
Decline Invite				Х		Х				
View Current Games				Х			Х			
View Games History				Х			Х			
Suspend Game				Х						
Resume Active Game				Х			Х			
Play Multiple Games				Х			Х			
View Game Rules					Х			Х	Х	
Quit/Forfeit Current Game										
View Profile					Х					Х
Logout					Х					
Unregister										Х
View Board							Х			

Sprint Retrospective

- Several official scrum meetings were held
 - Sprint planning meeting to divide User-Stories
 - Weekly stand-ups to review our completed tasks
 - Several reviews with the Product Owner to review the completed User-Stories and the website's UI
- Improvements from last Sprint
 - Product Owner was satisfied with the website's design
 - Overall better communication/coordination between team members
 - More paired programming to complete tasks

Demo