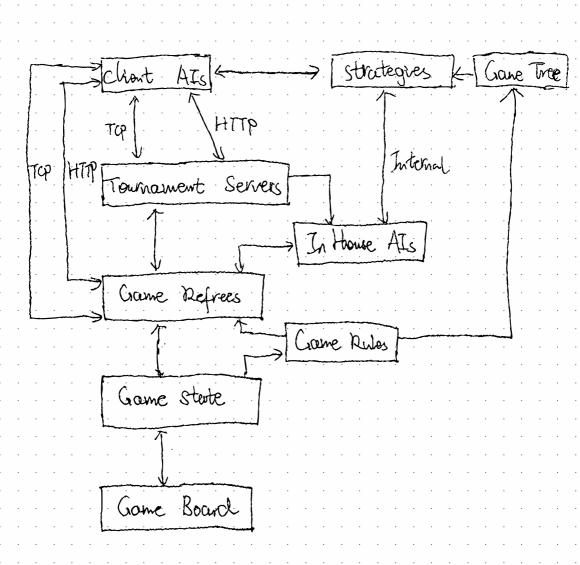
System Component Interaction Diagram



System Class VML Viag rem Chent Sever Proxy + Come: Serier Proxy + Connecti): bod + agent: Player + disconnect) = bool + send (message): bool + recieve () = messayck. TCP Sevier Proxy HTTP Sener Mon + IP = 8tr Obseler + buse_wil: 8tr teori: int + port: int + end point: 6th Playor Chert Proxy Local Playe + Send (message): bool. + strat: Strategy trecient : message Kt HTTP Client Browny TCP Client Proxy Remote Player + Conc: sochet + Con(: + Conc: Clear Proxy + Strategy

- Obseven Interface) + plyser_colors(2) deter) + action_update (St. action) Player (Interfore) +get_actin(): action + tournament_Start() + playing_as(color) + tournament_Yesult (Book) + game_start (Book) Deferee Tournament Manager + gave state: Gare State t game_type: stor + gane-tree: Gane Tree + referens = List [Refere) + observers: List Lobserver] + players: List [Observer]
+ players: List [Player] + Playors: List [Player] + nun-gane(): tuple(list [plyss]) + run_tournament(): (int, int) Canestate (Interface) Garnetree + Steve: Game State + apply active): bool + Children: Map (action, Governe + Current_player): Stor + got_children(): Map (actr. Caute) t game_over(): bool + ger_curler_still): Goestole + remove_player(): Gaurstote t apply-actin (actin): book + game winners (): List[stir] tupply-funchi(funch): Map (lich, X) + seralized (): Map () + Valid-actions(): List (Actus)

Gane 8t	tere 1
Multi Agent GaneState	Singlehger Gare State
+ turn-queue: Queue(str)	+ board: Board
+ board = Board	+ Scores = int
+ Scores: Map (str,)	300103
Board	
	7
+ valid from Positin (str): List [Posn])
+ rewhalore_ Positions (from Poon) = List	ot[Youn] N
(+ Senalize(): Map()	
Fish Board Chers Board	Marble Solitare Board