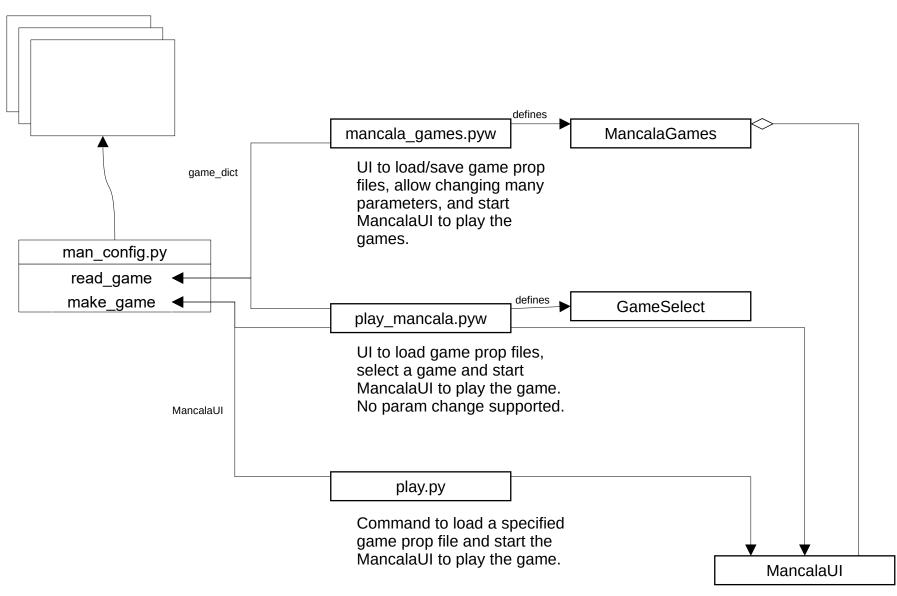
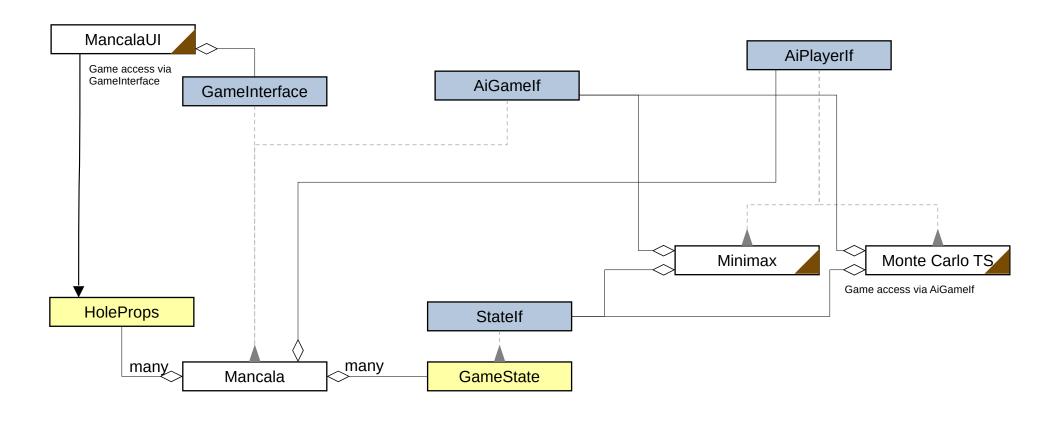
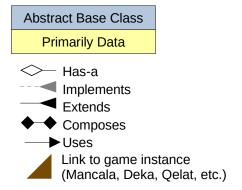
## Mancala Games

#### Game Property Files

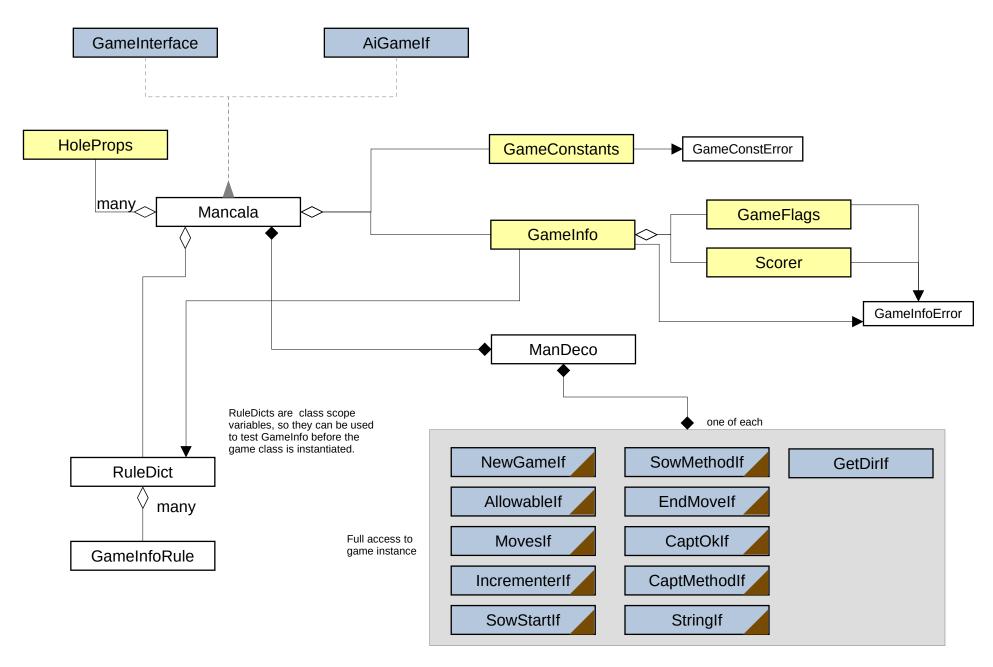


# Mancala UI & AI Classes

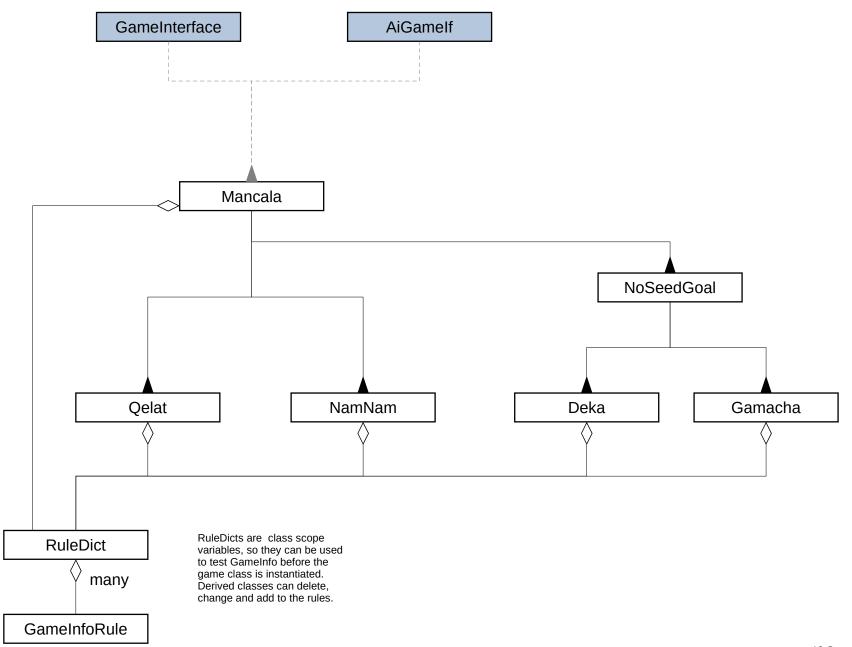




# Mancala Classes



# Mancala Game Classes



# **Decorator Usage**

# Mancala Move Steps

Mancala Methods (mancala.py)		Step Number	Description	Decorator(s)
move		1	Parse move & execute pass	
	do_sow	2	Start Sow (first hole, seeds)	sow_start
		3	Get Direction (CW or CCW)	get_direction
		4	Sow – drop seeds	sower & incr
	capture_seeds	5	Capture Seeds	capt_ok, capturer & incr
	win_conditions	6	Win Condition – is game over	ender

# Decorator Calls (non-move)

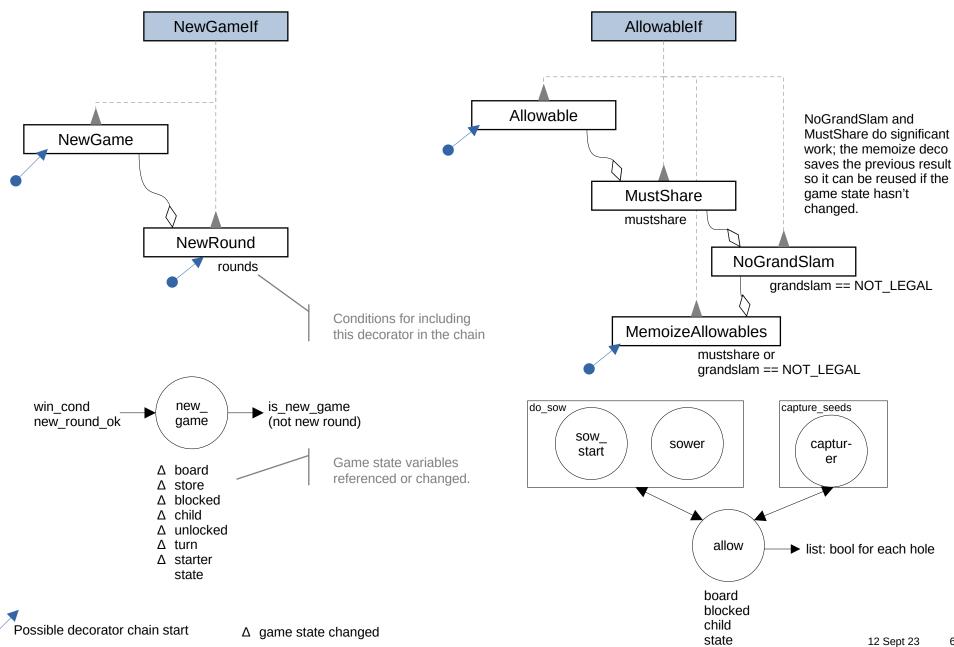
Interface	Method (mancala.py)	Decorator
GameInterface	new_game	new_game
GameInterface	end_game	quitter
GameInterface	get_allowable_holes	allowables
AlGamelf	get_moves	get_moves
not applicable	str	get_string

#### New Game Classes and Deco

#### Allowable Classes and Deco

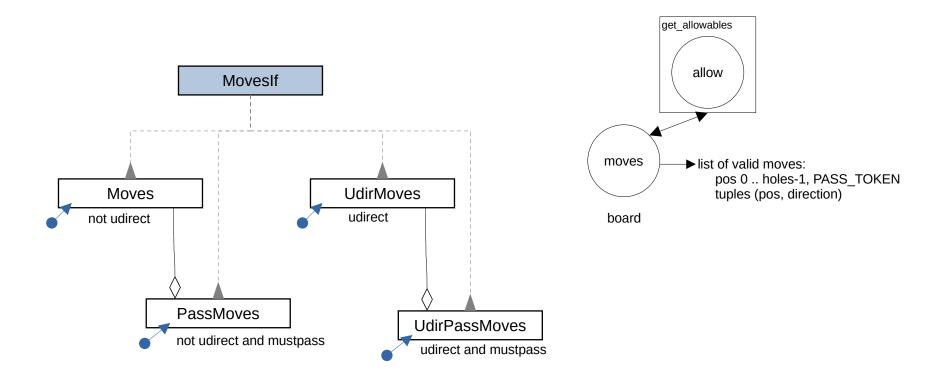
new\_game.py

allowables.py



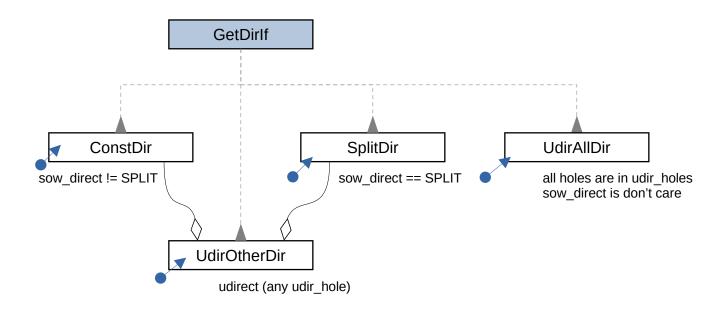
### Get Moves Classes and Deco

get\_moves.py



## Get Direction Classes and Deco

get direction.py





#### Incrementer Classes and Deco

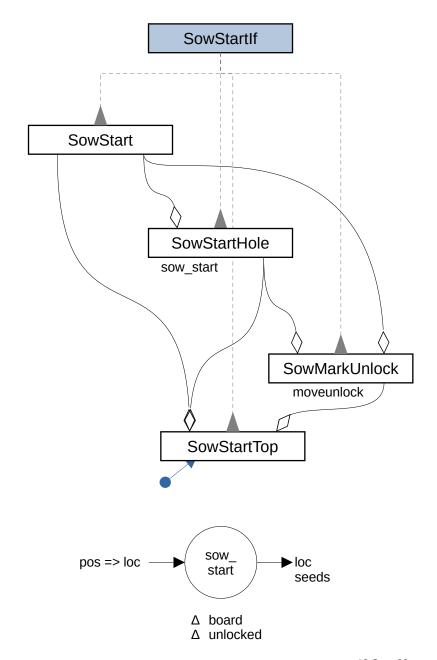
incrementer.py

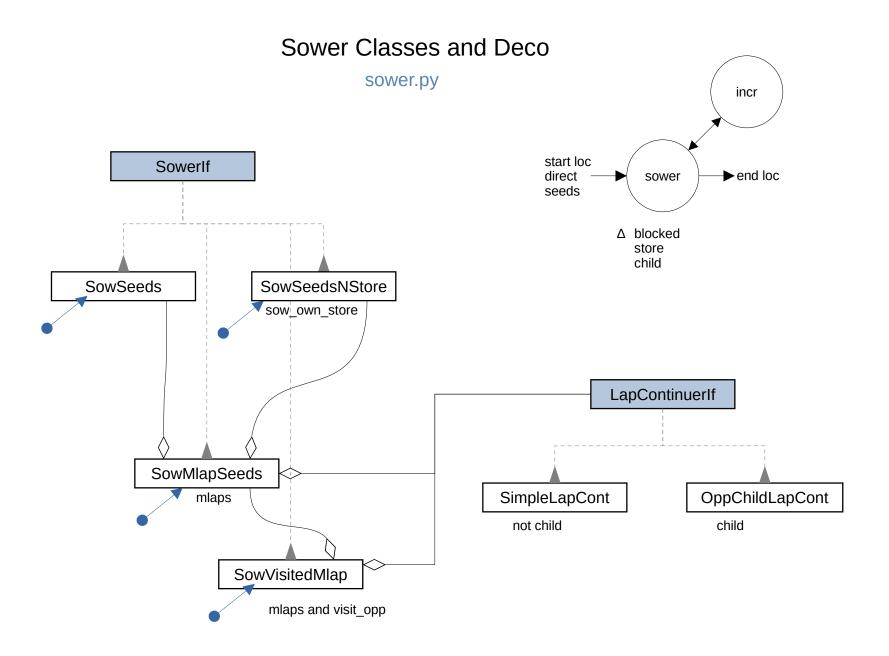
# IncrementerIf Increment IncPastStart skip\_start IncPastBlocks blocks loc direct incr **▶**loc start

blocked

#### Sow Starter Classes and Deco

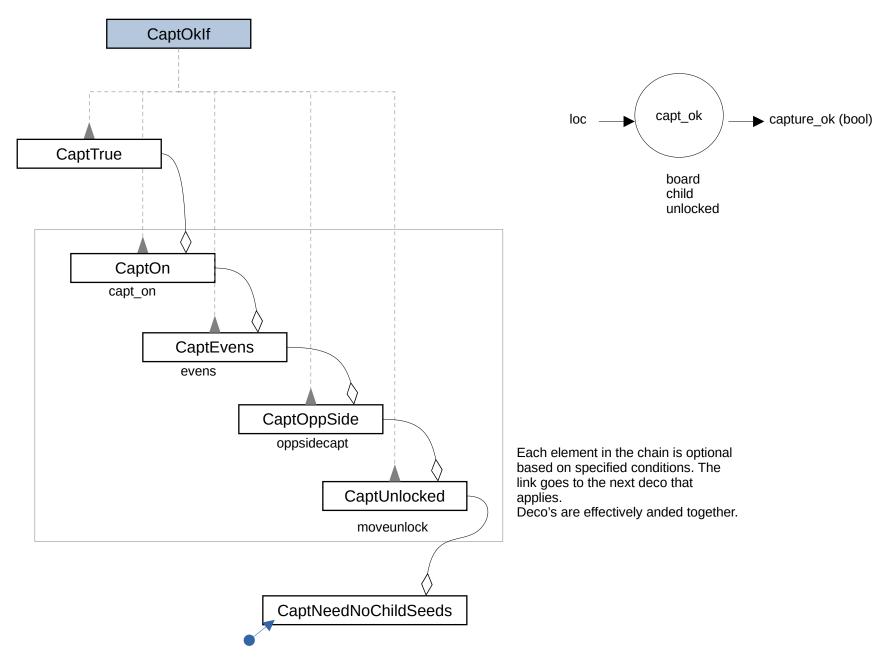
sow\_starter.py



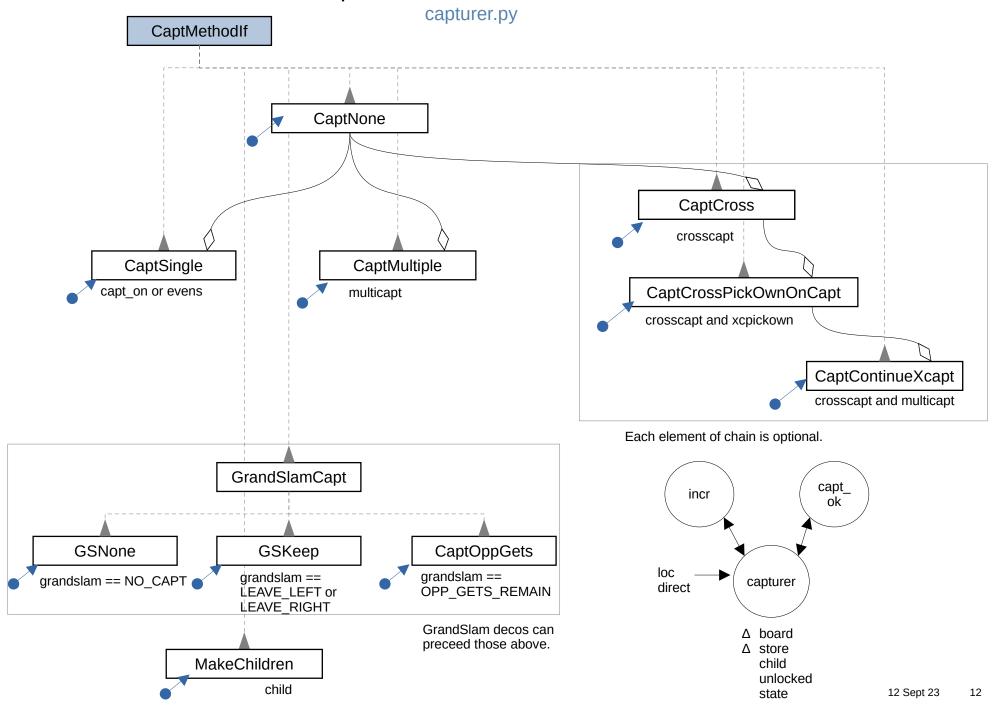


# Capt Ok Classes and Deco

capt\_ok.py

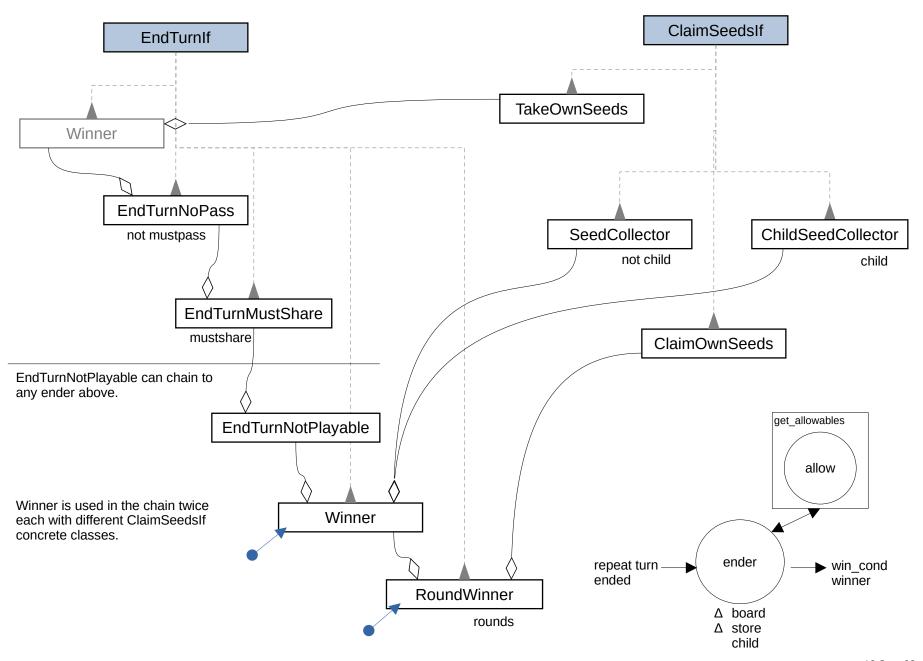


## Capturer Classes and Deco



#### Move Ender Classes and Deco

end\_move.py



# Quitter Classes and Deco

end\_move.py

