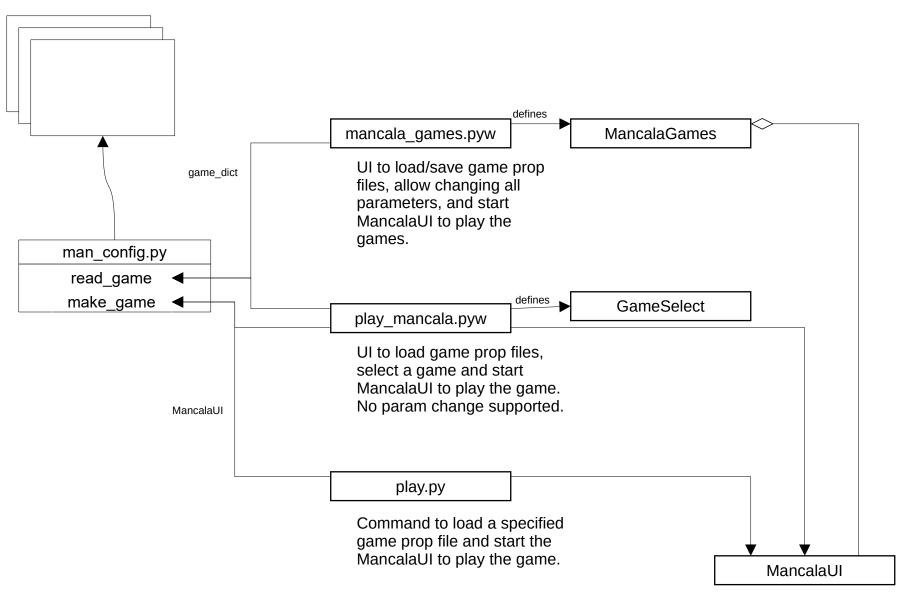
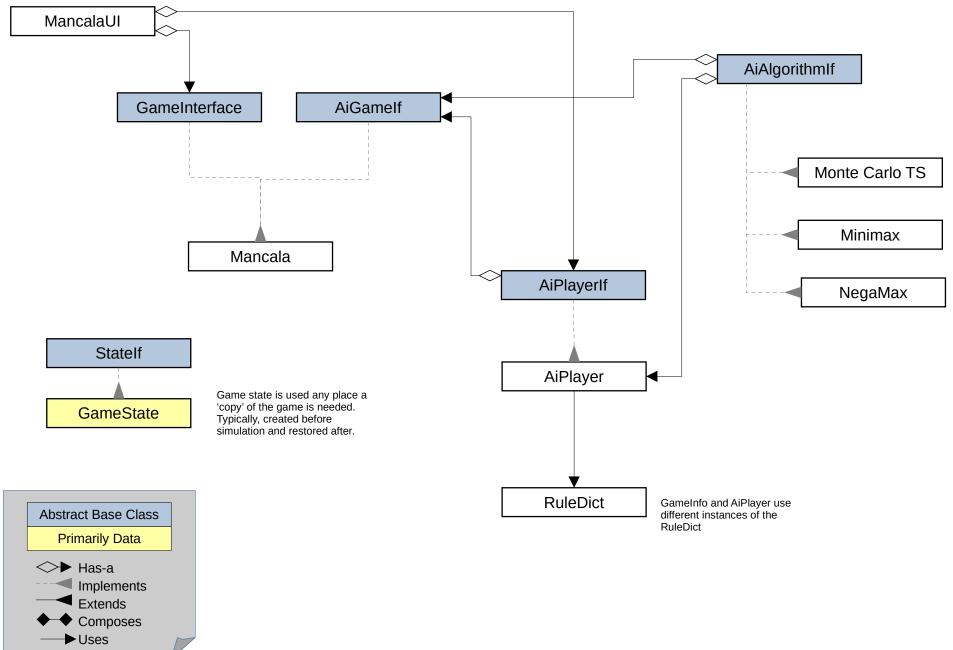
Mancala Games

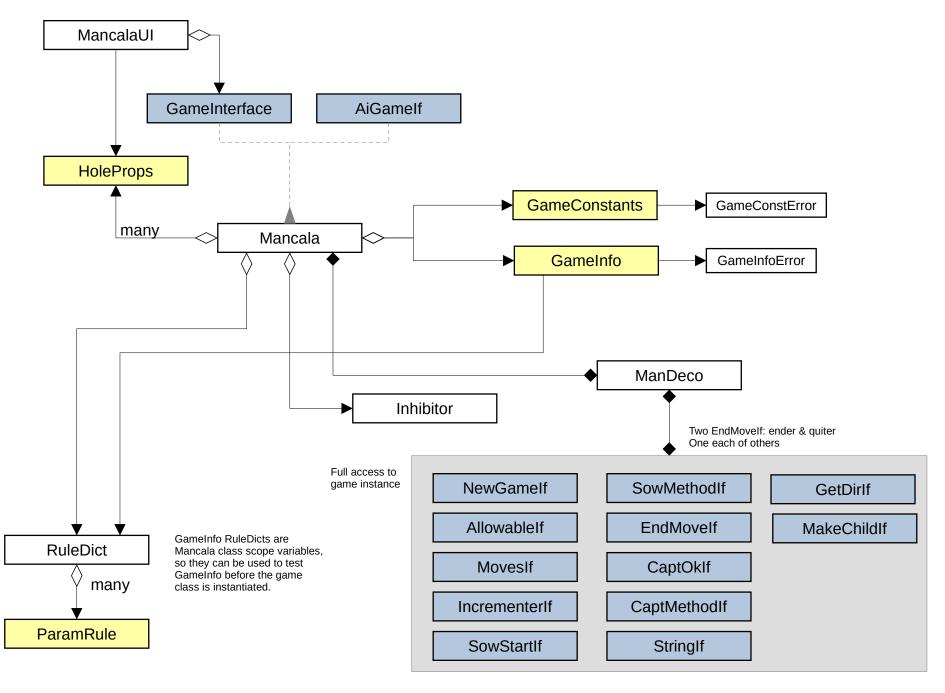
Game Property Files



Mancala UI, Mancala & AI Classes



Mancala Classes



Decorator Usage

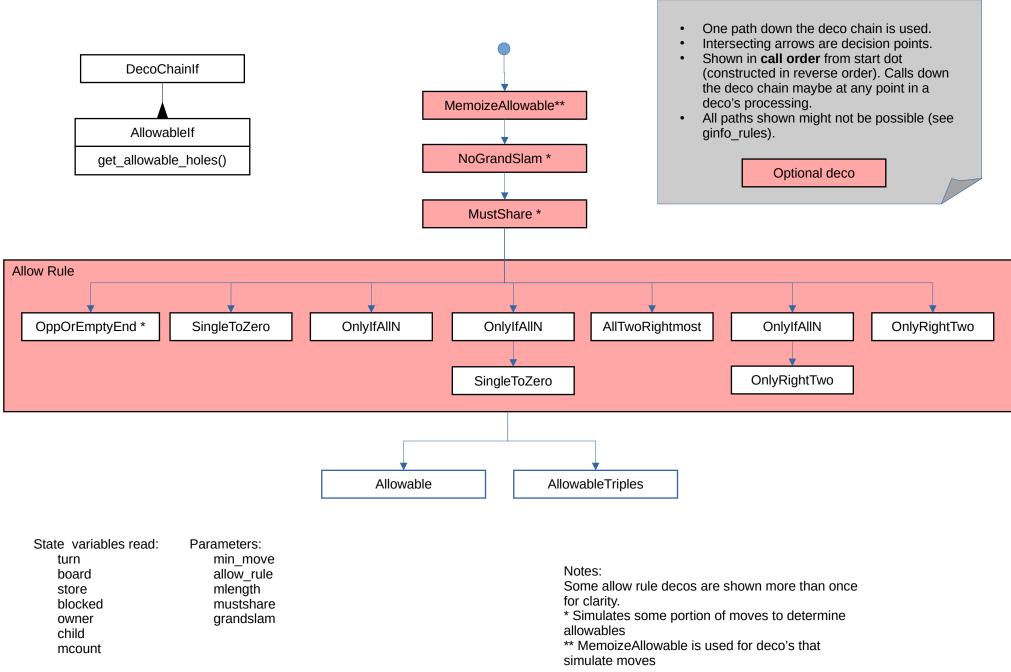
Mancala Move Steps

Mancala Methods (mancala.py)		Description	Decorator(s)
move	do_sow	Start Sow (parse move, first hole, seeds)	sow_start
		Get Direction (CW or CCW)	get_direction
		Sow – drop seeds	sower, capt_ok, incrementer & make_child
	capture_seeds	Capture Seeds	capt_ok, capturer, incrementer & make_child
	win_conditions	Win Condition – is game over	ender

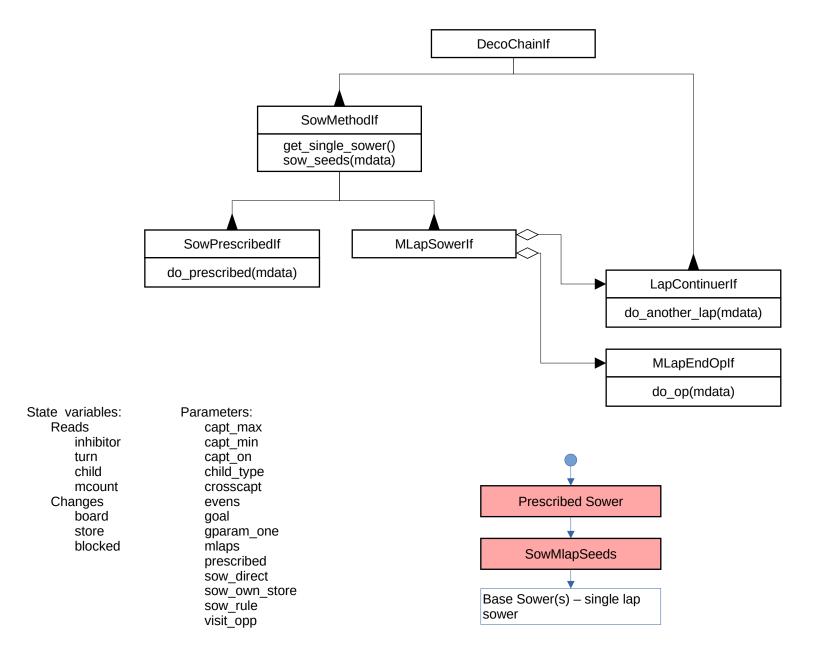
Decorator Calls (non-move)

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

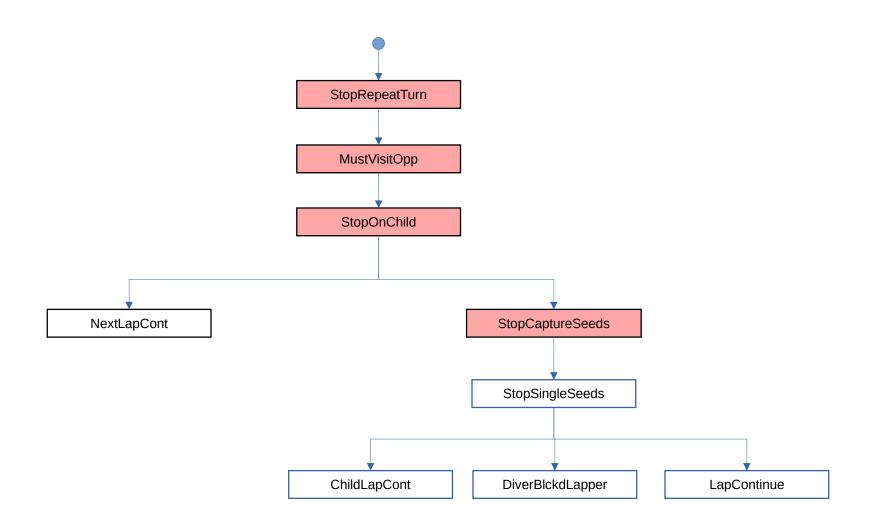
Allowables Decorators and Chain



Sower Decorators



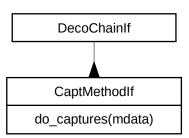
Lapper Continuer Deco Chain



Captuer Decorators

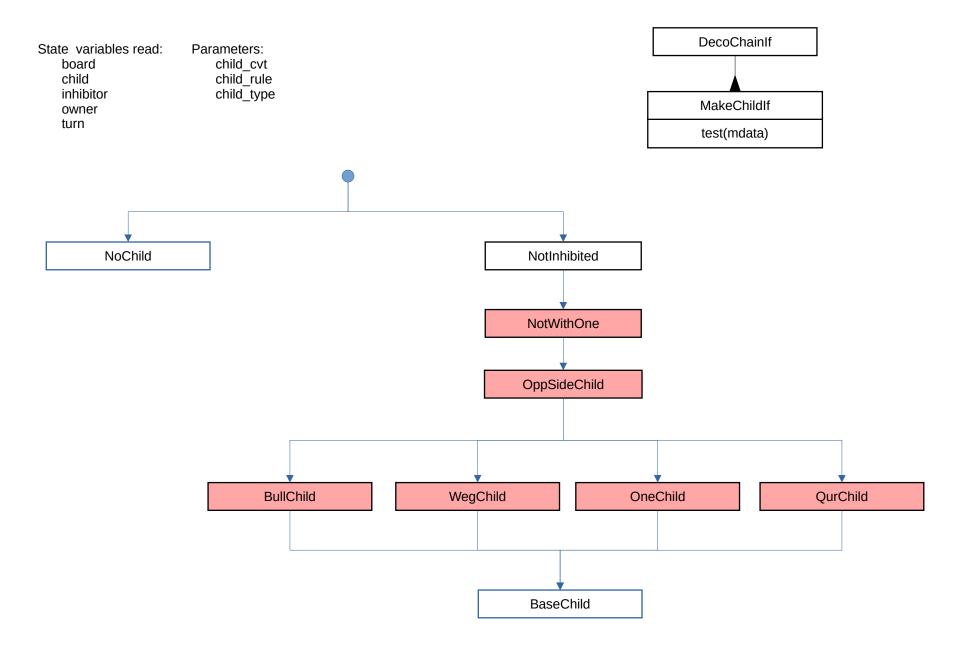
State variables Parameters: Reads capsamedir inhibitor capt_max starter capt min turn capt_next Changes capt on board capt rturn child capttwoout child_cvt store

capttwoout
child_cvt
child_type
crosscapt
evens
grandslam
mlaps
multicapt
nocaptfirst
nosinglecapt
oppsidecapt
pickextra
prescribed
round_fill
xc_sown
xcpickown

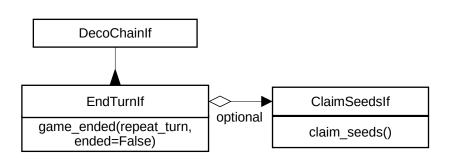


Captuer Deco Chain Notes: RepeatTurn Not all paths are allowed: see ginfo rules. Child and Grand Slam decos cannot NotInhibited occur together. NoSingleSeed Grandslam GrandSlamCapt GSOppGets **GSNone GSKeep** Picker **PickCross** PickOppTwos PickLastSeeds Child MakeBull MakeQur MakeWegCapt CaptureToWalda MakeChild CaptCrossVisited CaptMultiple CaptTwoOut CaptContinueXCapt CaptSingle CaptOppDirMultiple CaptNext MultiCaptTwoOut CaptCrossPickOwnOnCapt CaptCrossPickOwn CaptCross CaptNone 16 Sept 2024 9

MakeChild Decorator and Chain



Ender & Quiter Decorators and Chains



State variables: Parameters: Reads: capt min child capt next owner capt on turn capttwoout Changes: child cvt board child type store crosscapt evens goal gparam one min move mlaps mustpass mustshare no sides round fill rounds sow_own_store stores

