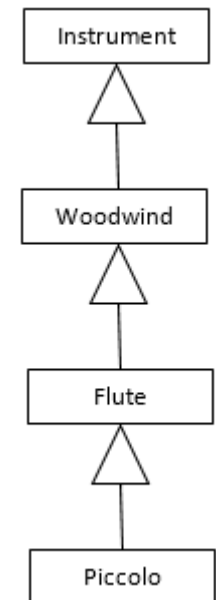


TCOInstrument Class							
			actuator	reed	mouth piece	strings	range
STRINGS	Violin		bow			catgut	G3 - A7
	Viola		bow			catgut	C3 - E6
	Cello		bow			catgut	C2 - C6
	Bass		bow			wire	C2 - C5
WOODWIND	Flute		mouth				C4 - D7
		Piccolo	mouth				D4 - C7
		C Flute	mouth				C4 - D7
		G Flute	mouth				C4 - C7
	Oboe		mouth	yes	double reed		Bb3 - A6
		Cor Anglais	mouth	yes	double reed		Bb3 - E6
	Bassoon		mouth	yes	double reed		Bb1 - Eb5
		Contrabassoon	mouth	yes	double reed		Bb1 - Bb4
	Clarinet		mouth	yes	rubber		E3 - C7
		Bass Clarinet	mouth	yes	rubber		C3 - C5
		E Flat Clarinet	mouth	yes	rubber		Eb3 - C7
		Contrabass Clarinet	mouth	yes	resin		C2 - C4
	Saxophone		mouth	yes	wood		Bb3 - G6
		Soprano Saxophone	mouth	yes	wood		Bb5 - G7
		Tenor Saxophone	mouth	yes	wood		Bb4 - G6
		Baritone Saxophone	mouth	yes	wood		Bb2 - G5
BRASS	Horn		mouth		plated brass		F#2 - C6
	Trumpet		mouth		brass		F#3 - D6
		Cornet	mouth		brass		Bb
		Bugle	mouth		brass		Bb
	Trombone		mouth		brass		E2 - F5
		Bass Trombone	mouth		brass		Bb1 - Bb4
	Tuba		mouth		brass		D1 - F4
PERCUSSION	Timpani		mallet				Bb2
	Xylophone		mallet				F3 - C7
	Snare Drum		sticks				G - Bb
	Triangle		beater				indefinite
	Harp		fingers			nylon	Cb1 - F#7
KEYBOARDS	Piano		fingers			steel	A0 - C8
	Celesta		fingers			steel	C3 - C7
	Harpsichord		fingers			plectra	F1 - F6



A reasonable inheritance heirarchy?

Create a class called TCOInstrument for the instruments in The Cleveland Orchestra. Thoughtfully extend TCOInstrument as depicted in this table.

Note that each TCOInstrument class “has a” collection of Musicians as a data member. See the CSV file TCOMusicians.csv for the musicians in TCO.