

Program Requirements

All programs must use:

- Java swing
- Do animation
- A combination of keyboard and mouse input
- Use File IO
- Talk over a network (Socket IO)
- Submitted and updated on GitHub on a regular basis

Specific Requirements

Specifically, the program must have:

- Exactly 1280 by 720 pixels ✓
- Not able to resize the frame ✓
- Must have some form of chat functionality
- Must have one or more data files that contain the data of the game (objects of the game)
- Must have a networking protocol (distinguish between gameplay)
- Use menus, buttons, or text fields
- One window only

Game Requirements

- Data held in data files (eg. .csv files: name, price, rent, rent with one house, rent with two houses, rent with three houses, rent with hotel, mortgage, picture file name)
- **IMPORTANT:** make your own pictures

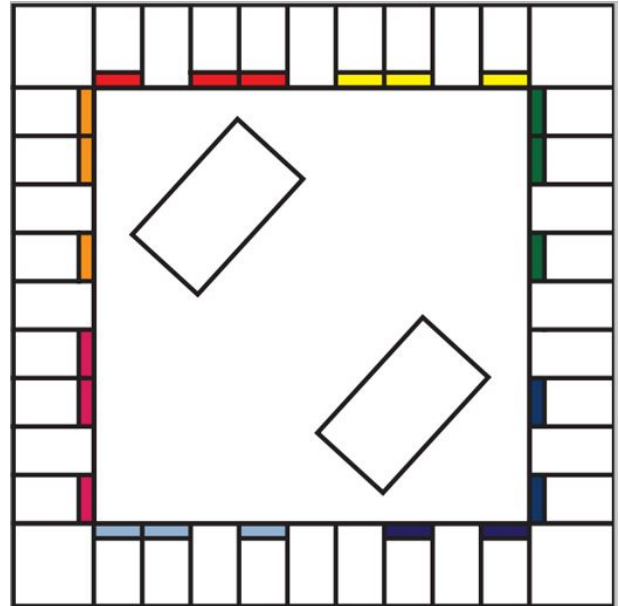
Monopoly CPT Planning

Requirements Document

- For separate data files, each property has a CSV file with name, price, rent, rent w/ one house, rent w/ two houses, rent w/ three houses, rent w/ hotel, mortgage, picture name
- Create own graphics

Ideas and Main Concepts

- A person rolls around the dice (random).
- St. Augustine inspired board
- **Community Chest and Chance board**
 - Sample Cards
 - **Community Chest:** Helped Athletic Council with the Terry Fox Run collect \$50
 - **Chance:**
 - Bad: Not wearing black shoes, pay \$25
 - Good: Won Spectrum's raffle draw collect \$25
- **Jail:** In order to get out you must roll a double if you don't within three turns pay \$50
- **Free parking spot:** Money is generated from uniform infraction and handing in an assignment late)
- **3 Characters:** Uniform (short sleeve (white), long sleeve, TITIAN (blue sweaters)
- **Properties:** different classrooms/subjects (ex. Cadawas' classroom is the most expensive)
- **Houses:** classroom improvements up to 3
- **Hotel:** decked out the classroom with all upgrades



Template Visual of Monopoly Board

#	Title	Price/Function	#	Title	Price/Function
1	Go Space	Collect \$200	21	(FREE PARKING)	
2	Geography - Chalmers	\$60	22	Indigenous Studies - Pirello	\$220
3	Community Chest	Draw a card from the pile	23	CHANCE	
4	History - Iorio	\$60	24	Writer's Craft - Ratchford	\$220
5	Course Selection	\$80	25	English - Salvino	\$240
6	Ms. Aranha	\$200	26	Pileggi	
7	Vis.I Arts - Fabora	\$100	27	Adv. Functions - Lee	\$260
8	Chance		28	Data - Di Donato	\$260
9	Music - Pezz	\$100	29	Athletic Council	
10	Drama - Devlin-foley	\$120	30	Calculus and Vectors - Burchat	\$280
11	JAIL (principal office)	3 double rolls // pay \$50 to get out	31	GO TO JAIL (PRINCIPAL OFFICE)	
12	Accounting - Adorante	\$140	32	Biology - Coletta	\$300
13	Student Council	\$150 (roll both dice if you own 1 multiply by 4, if you own both multiply by 10)	33	Chemistry - Freda	\$300
14	Marketing - Brizzi	\$140	34	Community Chest	
15	Bus. Leadership Giantonio	\$160	35	Physics - Ms. Lee	\$320
16	Tucci	\$200	36	Lowe	\$200
17	Religion - Fitzsimmons	\$180	37	Chance	
18	Community Chest		38	Tech Design - Ciampa	\$350
19	World Religion - LeBarbara	\$180	39	Buy new Uniforms	\$75
20	Philosophy - Hoffman	\$200	40	Computer Science - Cadawas	\$400

Chance Cards

GOOD	BAD
Won spectrum raffle ticket collect \$25	Late to school pay \$25
Titan of the Month pass GO and collect \$200	Handed in an assignment three days late and received a 0% pay a \$50 fine
Congratulations! You made Honour Roll. Collect \$50	Forgot to wear black shoes to school pay \$25
You won a free Breakfast from HEART collect \$50	Didn't bring money for civvies day pay \$30
Dropped out of music and took History, Advance to Iorio's class	Skipped more than 10 classes pay \$50
Raised money for Terry Fox Run, collect \$100	Cheated on a test and got caught! Pay \$100
Went to the Arts Tour field trip, this card may be kept until needed or sold (free pass)	Caught running in the hallways, pay a \$30 fine
Went to look at artworks done by students. Advance to Fabora's Class.	Broke chemistry lab equipment pay \$50
Changed courses to take Chemistry, move to Freda's class	Lost your math textbook pay \$50
Changed Courses to take Com Sci, Move to Cadawas' Class	Cellphone went off during an exam pay \$30
Got a letter from your teacher. Use this card to get out of the principal's office!	Skipped class pay \$10
Finished your semester! Advance to Go.	Failed to hand in an assignment pay \$15
Went to Ms Lee for Physics, Advance to her class.	Forgot to use pen when writing out a physics lab pay \$30
Helped stacked the chairs after class, Collect \$50 from each player!	Didn't throw out garbage at lunch pay \$30
Walked to Ms Salvino's English class, if passed GO, collect \$200.	Got caught eating lunch in a stairway pay \$20

Community Chest

1	Volunteered as classroom representative, receive \$10 from each player
2	Get out of jail free
3	Take a walk to Ms. Lee's Physics class. If passing GO, collect \$200. You may have the option to buy this property if unowned.
4	Volunteered at Grade 8 night with the science department, collect \$50
5	Helped out as a Muskoka Woods leader, collect \$75
6	Started tutoring a grade nine student in math as a member of St. Augustine Peer Tutoring program, collect \$50
7	Got elected to student council, collect \$25
8	Entered the Waterloo Math Contest and placed in the top 10%, collect \$100
9	Marking error in your favour, collect \$10!
10	Started a new club, collect \$100
11	Participated in the school play and it was a huge success, collect \$30
12	Wore an orange shirt in support of Indigenous residential school survivors, collect \$25
13	Won the grade 10 modern music award, collect \$30
14	Competed at Provincials for DECA and qualified for the International Career Development Conference in Orlando, collect \$80
15	Brought in jeans for Matt 25's jean drive, collect \$30
16	Participated in Eco Team's pumpkin painting contest and won! Collect, \$80
17	Took a picture with santa, collect \$20
18	Visited therapy dogs, collect \$30
19	Went to school the day before March break collect \$30
20	Brought in a dog collar for Animal Rights drive, collect \$15
21	Made a team for Athletic Council's dodgeball buy-in, collect \$30
22	Entered a piece of art for Markham Fair and won first place, collect \$50

23	Your grade collected the most spirit points, collect \$80!
24	Donated money for the Terry Fox run collect \$25
25	You won the Halloween costume contest, collect \$20
26	Completed all 40 hours of community service, collect \$40
27	Congratulations! You have perfect attendance, collect \$30
28	Participated at SPECTRUM's Coffeehouse, collect \$30
29	Got accepted into university, collect \$30
30	Supported a friend in need, collect \$50