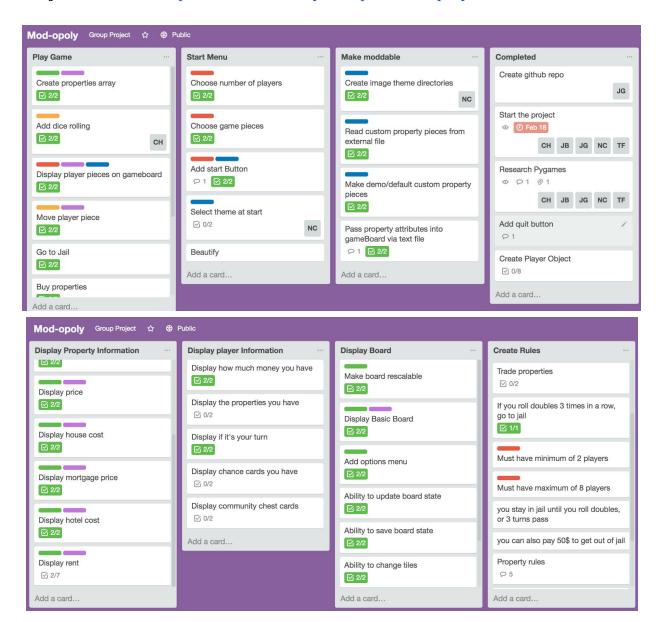**Title:** Mod-opoly
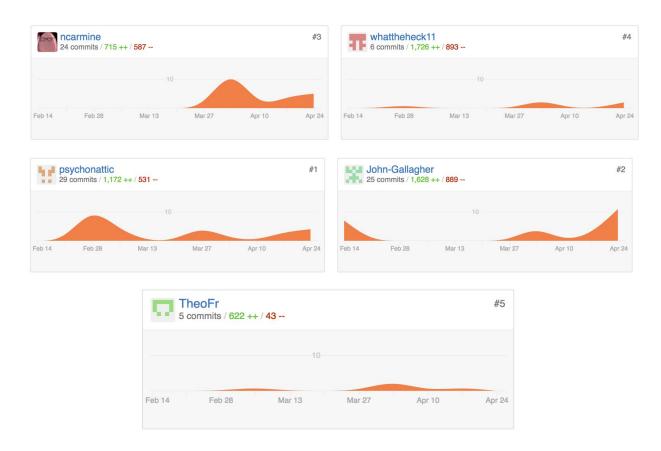**Who:** Nathan Carmine, Chase Heck, Theodore Freeman, John Gallagher, Joel Barkley

Project Tracker: https://trello.com/b/IyxuIwpX/mod-opoly

Mod-opoly — Group Project — Public

Play Game
- Create properties array — 2/2
- Add dice rolling — 2/2 — CH
- Display player pieces on gameboard — 2/2
- Move player piece — 2/2
- Go to Jail — 2/2
- Buy properties
- Add a card…

Start Menu
- Choose number of players — 2/2
- Choose game pieces — 2/2
- Add start Button — 1 — 2/2
- Select theme at start — 0/2 — NC
- Beautify
- Add a card…

Make moddable
- Create image theme directories — 2/2 — NC
- Read custom property pieces from external file — 2/2
- Make demo/default custom property pieces — 2/2
- Pass property attributes into gameBoard via text file — 1 — 2/2
- Add a card…

Completed
- Create github repo — JG
- Start the project — Feb 18 — CH JB JG NC TF
- Research Pygames — 1 — 1 — CH JB JG NC TF
- Add quit button — 1
- Create Player Object — 0/8
- Add a card…

Mod-opoly — Group Project — Public

Display Property Information
- 2/2
- Display price — 2/2
- Display house cost — 2/2
- Display mortgage price — 2/2
- Display hotel cost — 2/2
- Display rent — 2/7
- Add a card…

Display player Information
- Display how much money you have — 2/2
- Display the properties you have — 0/2
- Display if it's your turn — 2/2
- Display chance cards you have — 0/2
- Display community chest cards — 0/2
- Add a card…

Display Board
- Make board rescalable — 2/2
- Display Basic Board — 2/2
- Add options menu — 2/2
- Ability to update board state — 2/2
- Ability to save board state — 2/2
- Ability to change tiles — 2/2
- Add a card…

Create Rules
- Trade properties — 0/2
- If you roll doubles 3 times in a row, go to jail — 1/1
- Must have minimum of 2 players
- Must have maximum of 8 players
- you stay in jail until you roll doubles, or 3 turns pass
- you can also pay 50$ to get out of jail
- Property rules — 5
- Add a card…

VCS: https://github.com/John-Gallagher/GroupProject-CSCI3308

Note: Joel and Theodore did a lot of work pair programming. Look at individual commits for a better representation of contributions to the project.

Deployment:
- Download the git project and extract it.
- In the terminal, navigate to the directory `GroupProject-CSCI3308-master`
- Run the command: `python main.py`
- To run a custom theme, add the theme name after main.py. For example run: `python main.py high-res` for a high res version of the board.

Auto-doc: We used Doxygen for auto-doc generation. Link to auto-doc directory