

**Title:** Mod-opoly

**Who:** Nathan Carmine, Chase Heck, Theodore Freeman, John Gallagher, Joel Barkley

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

The image displays two screenshots of a Trello board titled "Mod-opoly", which is a "Group Project" and "Public".

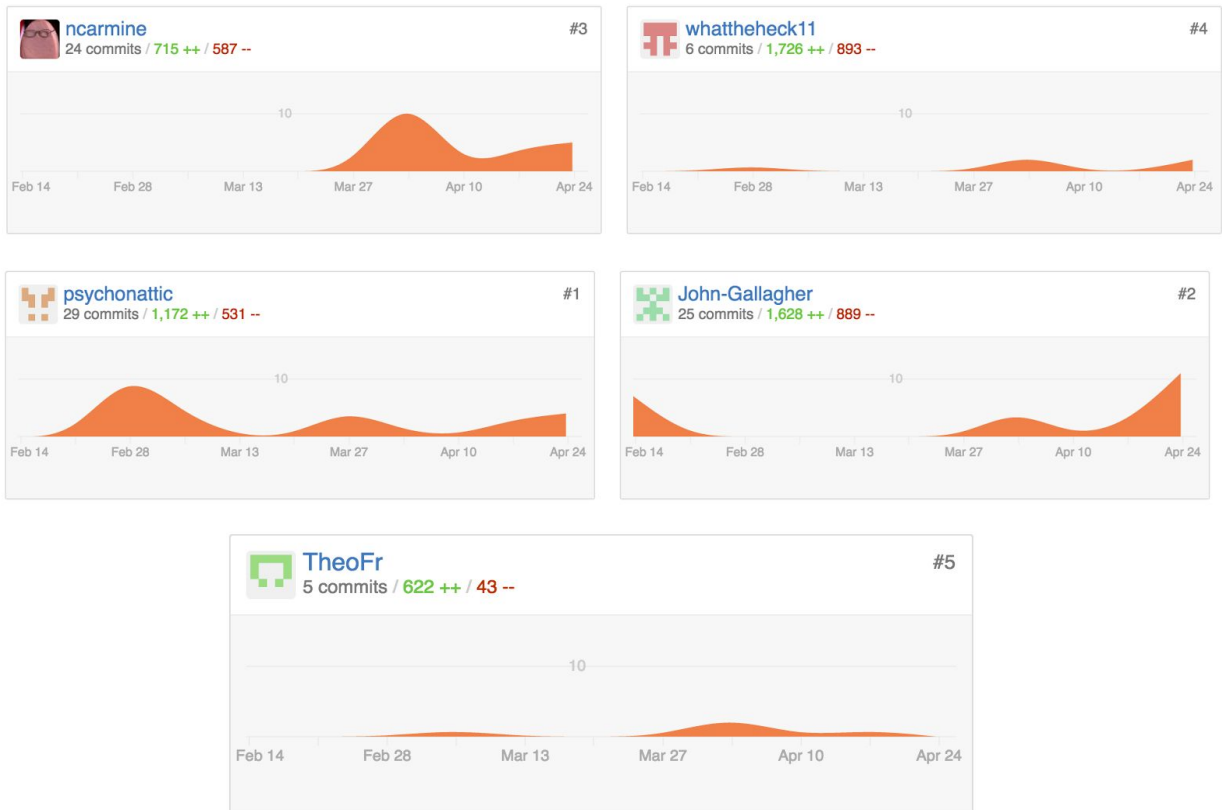
**Top Screenshot:**

- Play Game:** Create properties array (2/2), Add dice rolling (2/2), Display player pieces on gameboard (2/2), Move player piece (2/2), Go to Jail (2/2), Buy properties (2/2).
- Start Menu:** Choose number of players (2/2), Choose game pieces (2/2), Add start Button (2/2), Select theme at start (0/2), Beautify.
- Make moddable:** Create image theme directories (2/2), 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 (2/2).
- Completed:** Create github repo (JG), Start the project (Feb 18, CH, JB, JG, NC, TF), Research Pygames (CH, JB, JG, NC, TF), Add quit button (1), Create Player Object (0/8).

**Bottom Screenshot:**

- Display Property Information:** Display price (2/2), Display house cost (2/2), Display mortgage price (2/2), Display hotel cost (2/2), Display rent (2/7).
- 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).
- 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).
- 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).

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](#)