

Greedom

The King's Estate: A Digital board game on energy

About the game

In present times, India suffers from the ever increasing demand for electricity and water. Existing garbage dumps are coming closer to exceeding their limits as tons of garbage is disposed-off every day. Therefore, families living in the peripheries of big cities are struggling to gain access to what is required for their everyday existence. However, equipped with the modern education and technological knowhow, today's generation has the utmost ability and potential to bring about a change in the society. Considering the aggravating problems with respect to improper waste and water management and energy usage and the facilities provided to this generation, a digital game is developed to (a) create awareness (b) promote use of alternative sources of energy by playing and doing (c) make students think about cost minimization (d) inculcate good habits to learn have a balanced life style and (e) to learn have a basic financial intelligence.

This digital game is developed in the form of Monopoly where players roll two perfect dice to move around with the option of buying and trading properties (Home, Office, Hotel and Resort) and provides various messages on energy efficiency, water and waste management. Players not only gets a chance to collect rent from their opponents, but also upgrade their property to increase its rental and resale value with the goal being to drive them into bankruptcy . Money can also be gained or lost through banks; players can end up in jail if they have a penalty or may have to pay a visit to hospital in case of negligence. The game will have a specific set of rules which will be mentioned. Monopoly has become a part of international popular culture playing in more than 103 countries.

Hope you like this game!

Rules:

- The game can be played by a minimum 1 and maximum 4 players. The game admin can invite his/ her friends (maximum 3) to join for the game by opting various options provided on the screen. If you are playing alone then computer will act as your opponent.
- The game will start once the player clicks on the START button.
- Each player will get INR 10000 in the beginning.
- Dice will be rolled by clicking. The dice can be stopped rolling by clicking it again. If not stopped the dice will stop rolling after 5 seconds.
- On crossing the START at any point of the game, the player gets a bonus of INR 2500. The player will not get any bonus if s/he stops at START icon.
- The status of each player will be displayed under the name of the player.
- The game consists of several kinds of blocks – Property (Home, Office, Hotel and Resort), Market, Hospital, Jail, and various other messaging blocks based on various energy efficiency topics. Each player will get rewarded or penalized on the kind of activity at the message block and may purchase property at a cost. Each property has a specific rental and resale value. These would be displayed as

and when the player lands on the property. If a player lands on the property purchased by other players, s/he has to pay the rent.

- If the player lands on his/her own property, s/he can purchase assets, pay electricity bill for the same. On purchasing the property the player will have the option to upgrade it 3 times, where the level 1 of upgradation includes installation of LED/ CFLs, level 2 involves replacing all electrical gadgets with BEE star label products and level 3 gives the player an opportunity to procure TERI's GRIHA rating for her/ his property.
- In case the player does not have money to pay penalty or rent, s/he can take loan from the bank for the same with a maximum of INR 1500. In case of purchase of property a maximum of 80 percent of property cost can be taken as loan. On each round, an interest of 10 percent would be charged till the player repays the loan amount.
- Game ends when all other players except 1 are declared bankrupt.
- In case the player wants to skip his/ her chance due to any reasons can do so by not clicking the dice icon.
- The player can exit the game whenever s/he wishes to. If wish the player can keep the physical record of their properties and announce winner after series of games.

Few points to remember

1. The rental and resale value of the property should be displayed along with the price of the property.
Do you want to buy this property?
Price - INR
Rental Value- INR
Resale value – INR
2. There should be an exit page. The player should be asked whether they want to quit the game. The exit page should provide the following details of each player
Player 1:
Total available balance -
Assets and property of amount
Similarly for other players
Thus, so far Player XXX is the winner. (This is when the game is not finished and the player decides to exit)
3. The message for selling property should appear as 'Do you want to sell the property'?
Reselling Price- INR xxxxxx.
4. With reference to loan, the amount of loan, interest and other terms and conditions should be displayed.
You are eligible to take a loan of an amount equivalent of a maximum of INR 1500 from the bank at the interest of 10 percent for paying penalty/ rent. In case the player wants to purchase a property an amount equivalent or less than 80 percent of the property amount can be taken as a loan. The player would be charged 10 percent of the loan amount every time s/he crosses the START block till the time the total loan amount is repaid.
Do you want to apply for loan? Yes No