

| Game | |
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| <ul style="list-style-type: none">• run the game• set the number of player• distribute cards to players• control guess and solve• handle murder cards• knows the status of player | <ul style="list-style-type: none">• Board• Player• Player• Player• Card• Player |

| Board | |
|---|--|
| <ul style="list-style-type: none">• aggregates position• knows cards position• knows game status• moves Player | <ul style="list-style-type: none">• Position• Card• Game• Character |

| Player | |
|--|--|
| <ul style="list-style-type: none">• knows cards on hand• status | <ul style="list-style-type: none">• Card |

| | |
|--|---|
| <div>Card</div> <div>Estate,Character,Weapon</div> | |
| <ul style="list-style-type: none">• knows the content of each card | <ul style="list-style-type: none">• Estate, Character, Weapon |

| | |
|--|--|
| <div>Estate</div> <div>Card</div> | |
| <ul style="list-style-type: none">• knows its position | <ul style="list-style-type: none">• position |

| | |
|---|---|
| <div>Character</div> <div>Card</div> | |
| <ul style="list-style-type: none">• knows its position• knows its player | <ul style="list-style-type: none">• Position• Player |

| | |
|---|---|
| <div>Weapon</div> <div>Card</div> | |
| <ul style="list-style-type: none">• knows its position• knows its player | <ul style="list-style-type: none">• Position• Player |

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|---|--|
| <div>Cell</div> <div>Room,Door,Block</div> | |
| <ul style="list-style-type: none">• knows its position• knows the detail of the cell | <ul style="list-style-type: none">• Position• Room, Door, Block |

| | |
|--|---|
| <div>Room</div> <div>Cell</div> | |
| <ul style="list-style-type: none">• knows the position• knows the person inside | <ul style="list-style-type: none">• Position• Person |

| | |
|--|---|
| <div>Door</div> <div>Cell</div> | |
| <ul style="list-style-type: none">• knows the position• knows the accessibility | <ul style="list-style-type: none">• Position• Room |

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|--|--|
| <div>Block</div> <div>Cell</div> | |
| <ul style="list-style-type: none">• knows the position | <ul style="list-style-type: none">• Position |

Position

- knows position

- coordinate