

Player

- name: string
- symbol: char
- momey: int
- total_cup: static int
- cup: int
- place: int
- own_num: int
- Rnum: int
- Gnum: int
- own: int [32]
- die: bool
- lose: bool
- map: Map
- send: bool
- test: bool
- outer: bool
- auc: bool
- DCcount: int
- + setmap(Map &): void
- + gettest(): bool
- + set_die(): void
- + set_lose(): void
- + print_name(): void
- + getname(): string
- + check_havebuilding(int): bool
- + check_lose(): bool
- + check_die(): bool
- + getchar(): char
- + add_money(int): void
- + sub_money(int): void
- + add_cup(): void
- + sub_cup(): void
- + getMoney(): int
- + getCups(): int
- + getAsset(): int
- + mortgage(int): void
- + unmortgage(int): void
- add_building(int): void
- + sub_building(int): void
- + move(int):void
- + getTcup():int
- + getMap(): Map *
- + getLoc(): int
- + setsend(bool): void
- getsend(): bool
- + print_ownbuilding(): void
- + settest(): void
- getDC(): int
- + setDC(int): void
- + setplace(int): void
- qetout():bool
- etout(bool): void
- + getauc(): bool
- + setauc(bool): void
- + getownnum(): int
- + getGnum(): int
- +getRnum(): int
- + makeownarr(map<int,int>):

void

Game

- num player: int
- players: Player * [8]
- now_play: int
- + roll(int): int
- + loop(): void
- + get_nowplay(): int
- + start_new(Map &): void
- + load_player(ifstream &, Map &): void
- + getassets(): void
- + getname(): string
- + getname(int): string
- + getchar(): char
- + getchar(int): char
- + getcup(int): int
- + getmoney(int): int
- + getmoney(): int
- + getposition(int): int
- + getDC(int): int
- + setDC(int, int): void
- + add_player(string,char,Map &): void
- + add_player(string,char,int,int,int,Map&): void
- + trade_money(string,string,int,int): void
- + trade_building(string,string,int,int): void
- + next(): void
- + Iswin(): bool
- + print_numplayer(): void
- + getLoc(): int
- + get_numplayer(): int
- + reset_nowplay(): void
- + print_winer(): void
- + mortgage(int): void
- + unmortgage(int): void
- + getnump(): int
- + getnplay(): int
- + makearray(int): map<int, Player *>
- + getplayer(string): Player *
- + setbuilding(string,int): void
- + setlose(): void
- + getnplayer(): Player *
- + start_new(Map &, bool, int): void
- + start_new(Map &, int): void
- + getassets(bool): void
- + add_player(string,char,Map&,bool):void
- + check_havebuilding(int): bool
- + check_havebuilding(int,string): bool

Ownable

- mort: bool
- monopoly: bool
- owner: Player*
- block: string blockmen: Building[4]
- + virtual getowner(): Player *
- + virtual setowner(Player &): void
- + virtual getCost(): int
- + virtual addCost(int): void
- + virtual subCost(int): void
- + virtual getPay(): int
- + virtual setPay(int): void
- + virtual getmort(): bool
- + virtual improve(): void
- + virtual ntimprove(): void
- + virtual Ismonopoly(): bool
- + virtual setmonopoly(bool): void + virtual setunmonopoly(): void
- + virtual getlevel(): int
- + virtual addmem(Building): void
- + virtual getblock(): string
- + virtual getblockcap(): string
- + virtual buy(Player &): void
- + virtual auction(int, int, char, int, int, map<int Player*>, Building*, map<int, int>):void
- + virtual change(Player&): void
- + virtual setload(int): void
- + virtual setblock(string): void

Мар

- board: Building *[40]
- + change(int, Player &): void
- + printname(int): string
- + getowner(int): Player *
- + getname(int): string
- + getCost(int): int
- + getmort(int): bool
- + setOwner(int, Player&): void
- + improve(int): void
- + ntimprove(int): void
- + Ismonopoly(int): bool
- + setmortgage(int): void
- + setunmortgage(int): void
- + getPay(int): int
- + getlevel(int): int
- + getLoc(int): int
- + getblock(int): string
- + getbuilding(int): Building *
- + auction(int, int, char, int, int, map<int Player*>, Building*, map<int, int>):void
- + setload(int, int): void
- + getbanben(bool): void
- + Isownable(int): bool

Abstract Building

- name:string
- loc: int banben: bool
- + virtual getowner(): Player *
- + virtual setowner(Player &) : void
- + virtual getCost(): int
- + virtual addCost(int): void
- + virtual subCost(int): void
- + virtual getPay(): int
- + virtual setPay(int): void
- + virtual getmort(): bool
- + virtual improve(): void
- + virtual ntimprove(): void
- + virtual Ismonopoly(): bool
- + virtual setmonopoly(bool): void
- + virtual setunmonopoly(): void
- + virtual getlevel(): int
- + virtual addmem(Building): void
- + virtual getloc(): int
- + virtual getblock(): string
- + virtual getblockcap(): string
- + virtual buy(Player &): void
- + virtual auction(int, int, char, int, int, map<int Player*>, Building*, map<int, int>):void
- + virtual change(Player&): void
- + virtual setload(int): void
- + virtual getbanban(): bool
- + virtual setbanban(): void
- + virtual setblock(string): void
- + virtual setname(string): void