```
class Board {
Player.h
                                                                           public:
                                                                                  Board();
struct Position {
       int row;
                                                                                  int get rows() const {return 4; }
       int col;
                                                                                  int get cols() const {return 4; }
       bool operator==(const Position &other) {
                                                                                  SquareType get square value(Position pos) const;
              return row == other.row && col == other.col;
                                                                                  void SetSquareValue(Position pos, SquareType value);
};
                                                                                  std::vector<Position> GetMoves(Player *p);
class Player {
                                                                                  bool MovePlayer(Player *p, Position pos);
public:
                                                                                  SquareType GetExitOccupant();
       Player(const std::string name, const bool is human);
       std::string get name() const {return name ; }
                                                                                   friend std::ostream& operator<<(std::ostream& os, const Board
       int get points() const {return points; }
                                                                           &b);
       Position get position() const {return pos ; }
       bool is human() const {return is human ; }
                                                                           private:
                                                                                  SquareType arr [4][4];
       void ChangePoints(const int x);
                                                                                  int rows ;
       void SetPosition(Position pos);
                                                                                  int cols;
       std::string ToRelativePosition(Position other);
                                                                           }; // class Board
       std::string Stringify();
                                                                           class Maze {
                                                                           public:
private:
                                                                                  Maze(); // constructor
       std::string name ;
       int points ;
                                                                                  void NewGame(Player *human, const int enemies);
       Position pos ;
       bool is human ;
                                                                                  void TakeTurn(Player *p);
}; // class Player
                                                                                  Player * GetNextPlayer();
Maze.h
                                                                                  bool IsGameOver();
enum class SquareType { Wall, Exit, Empty, Human, Enemy, Treasure };
                                                                                  std::string GenerateReport();
                                                                                  friend std::ostream& operator<<(std::ostream& os, const Maze
std::string SquareTypeStringify(SquareType sq);
                                                                           &m);
                                                                           private:
                                                                                  Board *board ;
                                                                                  std::vector<Player *> players ;
                                                                                  int turn count ;
                                                                           }; // class Maze
```

- 1) Annotating Player.h and Maze.h:
 - a) Draw a square around the constructors for the Player, Board, and Maze objects.
 - b) Draw a circle around the fields (class attributes) for the Player, Board, and Maze objects.
 - c) Underline any methods that you think should not be public. (Briefly) Explain why you think that they should not be public.

	g and do it well. They should avoid long parame ou think is a good example of being well-desig		methods does your group think are not designed
b) Fields: should be part of the inherent internal state of the object. Their values should be meaningful throughout the object's life, and their state should persist longer than any one method. Which, if any, fields does your group think should not be fields? Why not? What is an example of a field that definitely should be a field? why? c) Fill in the following table. Briefly justify whether or not you think that a class fulfills the given trait.			
Trait	Player	Board	Maze
cohesive (one single abstraction)			
complete (provides a complete interface)			
clear (the interface makes sense)			
convenient (makes things simpler in the long run)			
consistent (names, parameters, ordering, behavior should be consistent)			

2) Critiquing the design of the "maze" game: