Public: virtual void render() virtual bool passThrough() virtual bool pickUp() virtual bool edible() MazeWall moveableItem bool mHorizontal int x bool mSecretPassage int y MazeWall(bool horz) int attack virtual void render() int health virtual bool passThrough() moveableItem() void setPassage(bool p) int getX() void setX(int x) int getY() void setY(int y) Shield, Sword, Grape, Apple, CandyCane void moveLeft(Maze* maze) void moveRight(Maze* maze) Public: void moveUp(Maze* maze) void render() void moveDown(Maze* maze) bool passThrough() virtual void updatePosition(Maze*) bool pickUp() virtual int getAttackValue() virtual int getHealth() void setAttack(int num) Character vector<MazeItem*> inventory int numItemsEaten int armor Boss Character() Public: ~Character() Boss() int getArmor() virtual void render() virtual void render() virtual bool passThrough() void addItemToInventory(MazeItem* item) int getX() void renderInventory() void setX(int x) void renderHealth() int getY() int getHealth() void attack(moveableItem* mazeItem, Maze* Maze) void setY(int y) void attack(moveableItem* mazeItem, Maze* Maze) int getHealth() Ghost int movement; Ghost(int movement) virtual void render() virtual bool passThrough() virtual void updatePosition(Maze*)

Mazeltem

int getHealth()

void attack(moveableItem* Hero, Maze* Maze)

Maze

int mazeHeight;
int mazeWidth;
vector<moveableItem*>
void heroDidMove()
MazeItem* constructItemForChar()

MazeItem*** maze
Ghost* ghosts
Character* hero
Boss* boss
Maze(string* initialMaze, int numLines)
~Maze()
bool canmove(int x,int y)
void render()
void updateMovableItemPositions()
void removeItem(moveableItem* Item)