### BattleShip - Scott Parker - CSC 17A - 42636 Project 2 - June 1, 2017

## Class::Game private: Map player; //Player map data const int cols=10: const int rows=10: string lstShot; bool playing; bool shot; public: Game(); virtual ~Game(); string getLast(); //return lstShot void setPlay(char); //set status of playing... void mapClr(); //Reset entire game state to empty void okShot(Guess); //check to see if shot is hit or miss virtual void setMap(Guess, char); //Update map after a valid shot void setShip(int, int, int, char); //Place ships on map char getShip(int, int) const; //display map data for coordinates char getGues(int, int) const; //display map data for coordinates short getTurn() const; //Display total number of guesses short getHits() const; //Display number of hits bool gameOn() const; //return status of playing... if true game in progress, false to exit bool getShot() const; //return value of shot // Friends friend ostream & operator << (ostream &, const Game &);

# private: int targRow=11; int targCol=11; public: Guess(); void setRow(int); //set the row value manually void setCol(int); //set the column value manually int getRow(); //return the row guess int getCol(); //Return the column guess // Friends friend ostream &operator << (ostream &, const Guess &); friend istream &operator >> (istream &, Guess &);

## short hits; short guesses; char guess[10][10]={}; char ship[10][10]={};

char inAlpha()
char inAlpha(char low, char high)
char inChar(char inA=\0', char inB=\0', char inC=\0', char inD=\0', char inE=\0')
template <class T>
 T inNum(T type, long long int low, long long int high)
template <class T>
 T inNum(T type)

Class::Weirdo:Game

Weirdo() : Game() {};
void setMap(Guess, char);

## colors.h

Contains ANSI color definitions

























