

Class: ManageAccount

Variables:	string username;	//holds account name
	string email;	//holds email
	string password;	//holds password
	bool logInStatus;	//holds login status
Methods:	void createAccount();	//Creates a user account and checks database //for username and email in use
	bool logIn();	//logs the user in
	bool logOut;	//logs the user out

Class: CreatePin

Variables:	double latitude	//holds latitude value
	double longitude	//holds longitude value
	string name	//holds pin title
	string species	//holds fish species
	double size	//holds fish size
	double temp	//holds ocean temperature
	double depth	//holds ocean depth
Methods:	int CreatePin()	//Initiates create pin request
	int getCoords()	//gets gps data from google
	int getInfo()	//gets information from user
	int storePin()	//stores pin info in database

Class: ViewPin

Variables: //holds all pin data in a struct

```
Struct pin{  
    double latitude    //holds latitude value  
    double longitude   //holds longitude value  
    string name        //holds pin title  
    string species     //holds fish species  
    double size        //holds fish size  
    double temp        //holds ocean temperature  
    double depth       //holds ocean depth  
}  
  
pin pin1              //holds data to be show to user
```

Methods:

```
int ViewPin()          //Initiates view pin request  
void searchPins()      //Query database for matching values  
pin getPin()           //gets pin data from database  
void showPin(pin1)     //displays pin information to user
```

Class: SharePin

Variables: //holds all pin data in a struct

```
Struct pin{  
    double latitude    //holds latitude value  
    double longitude   //holds longitude value  
    string name        //holds pin title  
    string species     //holds fish species  
    double size        //holds fish size  
    double temp        //holds ocean temperature  
    double depth       //holds ocean depth  
}
```

```
string shareName    //holds name of user to share with  
pin sharePin        //holds data to be show to user
```

Methods:

```
int SharePin()        //Initiates share pin request  
string getUsername() //gets username for sharing  
void findPin()        //calls viewPin() from ViewPin class  
void sendPin(sharePin) //sends pin to other user
```