***University of Huddersfield***

*&*

***International study center***

*Portfolio 4*

By

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*Software Design Module*

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**Header Files**

**AuthMgrGui.h**

#include<iostream>

using namespace std;

#ifndef AuthMgrGui\_H

#define AuthMgrGui\_H

class AuthMgrGui{

Manager auth

public:

Display(Session session);

};

#endif

**Details.h**

#include<iostream>

#include<string.h>

using namespace std;

#ifndef DETAIL\_SH

#define DETAILS\_H

class Details{

public:

string UserEmail;

string UserPassword;

string MotherMaidenName;

};

#endif

**Error.h**

#include<iostream>

#include<string.h>

using namespace std;

#ifndef ERROR\_H

#define ERROH\_H

class Error{

int code;

string message;

public:

int getError();

void setError(int code);

string getMessage();

void setMessage(string message);

#endif

**Manager.h**

#include<iostream>

using namespace std;

#ifndef MANAGER\_H

#define MANAGER\_H

class Manager{

AuthMgrGui gui;

Session session;

public:

void login(Details user);

void Register(Details user);

void requestReset(Details user);

void ResetPassword(Details user);

};

#endif

**Session.h**

#include<iostream>

#include<string.h>

#include<fstream>

using namespace std;

class Session

{

Details user;

Status status;

Details validUsers[40];

Error errors;

public:

Status getStatus();

void setStatus(Status status);

void ValidateEmail();

void ValidatePassword();

void ValidateUser();

void setUser(Details user);

void createUser(Details user);

Error getError();

void add(Error);

};

#endif

**Status.h**

#include<iostream>

using namespace std;

class Status{

int code;

string message;

public:

void setStatus(int code);

void setMessage(string status);

int getStatus();

string getMessage();

};

#endif

**Utility.h**

#include<iostream>

using namespace std;

class Utility{

public:

void createHash();

void resetEmail();

void checkHash();

};