

Topic : **Online App Store**

Group no **: MLB 11\_1\_6**

Campus : **Malabe**

Submission Date :

We declare that this is our own work and this Assignment does not incorporate without acknowledgment any material previously submitted by anyone else in SLIIT or any other university/Institute. And we declare that each one of us equally contributed to the completion of this Assignment.

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**EXERCISE 01**

**Requirements**

* Any user can enter to the system. To enter to the system if he registered one, he can enter to the system using email and password and if he enters to the system at first, he should create an account with his details.
* Firstly, the web page is displayed after the customer enter to the system the apps what he needed can be seen and downloaded from here.
* The apps which are law rating a high rating and download app can be identified
* All apps are updated by the developer.
* Customer can complain or comments about the apps
* All the data can be controlled by the system admin adding new information all removing old version.
* Customer can give their feedback admin can replied to them
* If there is an any issue, they can use customer care service
* There many ways to pay for the apps
* Also, many ways to pay for the maintainers.

**Classes**

* Unregister customer
* Registered user
* Rating apps
* Admin
* user
* Manager
* Feed back
* Payment
* Customer care
* Download payment

**CRC CARD**

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| --- | --- | --- |
| **Class Name** | **Unregistered customer** | |
| **Responsibility** | | **Collaborations** |
| Register details | |  |
| Search Apps | |  |
| View Apps  Give feedback | | Download apps  feedback |

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| --- | --- | --- |
| **Class Name** | **Registered customer** | |
| **Responsibility** | | **Collaborations** |
| Login website | |  |
| Search apps | |  |
| View apps  Give feedback  Make inquiry | | Download apps  Feedback  inquiry |

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| --- | --- | --- |
| **Class Name** | **Rating App** | |
| **Responsibility** | | **Collaborations** |
| Store the app | |  |
| Develop the app | |  |
| Display the app | |  |

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| **Class Name** | **Admin** | |
| **Responsibility** | | **Collaborations** |
| Login to system | |  |
| Update/ edit information | | customer |
| Add/Remove app | |  |

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| --- | --- | --- |
| **Class Name** | **User** | |
| **Responsibility** | | **Collaborations** |
| Login to system | |  |
| Search app | |  |
| Give feedback | |  |

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| --- | --- | --- |
| **Class Name** | **Manager** | |
| **Responsibility** | | **Collaborations** |
| Login to system | |  |
| Calculate website | | salary |
| Payment  calculate | | pay |

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| --- | --- | --- |
| **Class Name** | **Payment** | |
| **Responsibility** | | **Collaborations** |
| Store the Payment report | | customer |
| Display payment details | |  |
|  | |  |

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| --- | --- | --- |
| **Class Name** | **Monthly Payment** | |
| **Responsibility** | | **Collaborations** |
| Store the details | | Payment register customer |
| Update details | |  |
| Display details | |  |

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| --- | --- | --- |
| **Class Name** | **Feedback** | |
| **Responsibility** | | **Collaborations** |
| Add user details | |  |
| Add feedback | |  |
| Add feedback | |  |
| Display feedback | |  |

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| --- | --- | --- |
| **Class Name** | **Customer care** | |
| **Responsibility** | | **Collaborations** |
| Store the details | |  |
| Add reason | |  |
| Respect respone | |  |
| Display help | |  |

**Class Diagram**

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| Feedback |
| -FeedbackNo : int  - name : char  - email : char  - feedback email:char |
| +setfeedback()  +displayfeedback():void |

|  |
| --- |
| user |
| -Name : string  - phone number : string  - email : char |
| +setDetails()  +displayDetails |

|  |
| --- |
| Payment |
| #payment ID: int  - P\_Type : char  - P\_amount : double  - |
| +setfeedback()  +displayfeedback():void |

makes

give

inquire

|  |
| --- |
| Registered user |
| -UserID : string  - Email Address : string  - Password: string  - Discount: Float |
| +setDetails()  +getDetails()  +displayDetails  +receiveDiscount() |

|  |
| --- |
| Customer care |
| -DP ID: char[10]  - DP Name:char[20]  - customer name:string  - ContactNo:int |
| +setDetails()  +getDetails()  +displayDetails |

|  |
| --- |
| Unregistered customer |
| -Name : string  - phone number : string  - email Address : string |
| +setDetails()  +getDetails()  +displayDetails |

search

|  |
| --- |
| Rating Apps |
| -RatingAppCode:char[10]  -App Name:char[20]  - Rating app id: |
| +setDetails()  +getDetails()  +displayDetails() |

|  |
| --- |
| Download payment |
| -DP ID: char[10]  - DP Name:char[20]  - customer name:string  - ContactNo:int |
| +setDetails()  +getDetails()  +displayDetails |

|  |
| --- |
| Manager |
| -M ID: int  - M Name:char  - ContactNo:int |
| +setDetails()  +getDetails()  +displayDetails |

|  |
| --- |
| Admin |
| -Admin ID:int  - Admin Name:char  - |
| +Admin()  +Admin(intadminID,CharAdmin)  +Update apps():void  +AddRemoveApp():void |

calculate

pay

**Manager**

#include<iostream>

#include<cstring>

using namespace std;

class Manager{

private:

string name;

int ID;

int contactNo;

public:

void setDetails(string nm,int id,int cn);

void displayDetails()

};

void Manager::setDetails(string nm,int id,int cn){

name = nm;

ID = id;

contactNo = cn;

}

void Manager::displayDetails(){

cout << "Details" << endl << endl;

cout << name << endl;

cout << ID << endl;

cout << contactNo << endl;

}

int main(){

Manager m1;

m1.setDetails("Sanath",266354859,773456745);

m1.displayDetails();

return 0;

}

**Payment**

#include<iostream>

#include<cstring>

using namespace std;

class Payment{

private:

string pType;

int pID;

double amount;

public:

void setDetails(string pt,int id,double am);

void displayDetails();

};

void Payment::setDetails(string pt,int id,double am){

pType = pt;

pID = id;

amount = am;

}

void Payment::displayDetails(){

cout << "Details" << endl << endl;

cout <<pType << endl;

cout << pID << endl;

cout << amount << endl;

}

int main(){

Payment p1;

p1.setDetails("Credit Card",6763875,123000.35);

p1.displayDetails();

return 0;

}

**Customer Care**

#include<iostream>

#include<cstring>

using namespace std;

class customerCare{

private:

string dpName;

int dpID;

int contactNo;

public:

void setDetails(string nm,int id,int cn);

void displayDetails();

};

void customerCare::setDetails(string nm,int id,int cn){

dpName = nm;

dpID = id;

contactNo = cn;

}

void customerCare::displayDetails(){

cout << "Details" << endl << endl;

cout << dpName << endl;

cout << dpID << endl;

cout << contactNo << endl;

}

int main(){

customerCare c1;

c1.setDetails("Ridma",269854859,773451245);

c1.displayDetails();

return 0;

}

**Feedback**

#include<iostream>

using namespace std;

class FeedBack {

private:

int FeedBackNo;

string Name;

string Email;

string FeedBackEmail;

string FeedBackText;

public:

void setfeedback(int feedbackno, string name, string email, string feedbackemail, string feedbacktext);

void displayfeedback();

};

void FeedBack::setfeedback(int feedbackno, string name, string email, string feedbackemail, string feedbacktext)

{

FeedBackNo = feedbackno;

Name = name;

Email = email;

FeedBackEmail = feedbackemail;

FeedBackText = feedbacktext;

}

void FeedBack::displayfeedback(){

cout << "FeedBack No : " << FeedBackNo << endl;

cout << Name << " ( " << Email << " to " << FeedBackEmail << " ) "<< endl << endl;

cout << FeedBackText << endl;

}

int main()

{

FeedBack feedback1;

feedback1.setfeedback(1000001, "Kasun Perera", "kasunperera@gmail.com", "customerfeedback@appstore.com", "Very nice app. Easy to work !!!");

feedback1.displayfeedback();

return 0;

}

**Rating App**

class ratingApps

{

private

char ratingAppcode;

char appname;

int ratingappid;

public

void setratingAppcode(char ra);

void setappname(char n);

void setratingappid(int ra);

char getratingAppcode();

char getappname();

char getratingappid();

}

#include "ratingApp.h"

void ratingApp::setratingAppcode(char ra)

{

ratingAppcode = ra;

}

void ratingApp::setappname(char n)

{

appname = n;

}

void ratingApp::setratingappid(int ri)

{

ratingappid = ri;

}

char ratingApp::getratingAppcode()

{

return ratingAppcode;

}

char ratingApp::getappname()

{

return appname;

}

int ratingApp::getratingappid()

{

return ratingappid;

}

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| --- | --- | --- | --- |
|  | **Student ID** | **Student Name** | **Individual Contribution** |
| 1 | IT21209802 | R.S.A.S.A.Senadheera | * Coding Rating App only |
| 2 | IT21184062 | G.W.P.Madhushanka | * Coding Manager, Payment. * Class Diagram * CRC Cards – Unregistered Customer, Registered Customer, Rating App, Admin, User, Manager, Payment |
| 3 | IT21188640 | W.D.P.G.M.M.Balasooriya | No contribution. |
| 4 | IT21306990 | U.K.Wadigasinghe | * Coding Feedback only |
| **5** | **IT21174476** | **D.M.R.S.Nawaratne** | * **Coding Customer care** * **Requirements** * **CRC Cards - Monthly Payment, Feedback, Customer Care** |