****

**North South University**

Department of Electrical and Computer Engineering

**Lab Project Report**

Semester : NSU Fall 2022

Course Code : CSE 215L

Section : 04

Group Name : B3

Faculty : Dr. Shafin Rahman (SfR1)

Lab Instructor : A. S. M. Sabiqul Hassan

Project Topic : Sports Shop Management System

GitHub Repo Link : <https://github.com/almahfuz777/Sports-Shop-Management>

Submission Date : 31/12/2022

|  |  |
| --- | --- |
| Student Information | GitHub Account Links |
| 2211295042  Muhammad Tahmidur Rahman  muhammad.rahman12@northsouth.edu | https://github.com/tahmidurrahman12 |
| 2212480042  Motasim Abid  motasim.abid@northsouth.edu | https://github.com/MotasimAbid19 |
| 2212356042  Al Mahfuz  [al.mahfuz@northsouth.edu](mailto:al.mahfuz@northsouth.edu) | https://github.com/almahfuz777 |
| 2211968042  Md.Naimur Rahman  naimur.rahman12@northsouth.edu | https://github.com/naimur04 |

# Proposed project features before implementing:

**Customer:**

* Creates New Account for new user
* Proper Login system with Email and Password
* Views different products according to categories
* Selects products and adds to cart
* Add product, change quantity, removes product from cart
* Views list of products and prices during checkout
* Membership system for special discounts.

**Seller:**

* Views the list of sales and Income with customer details.
* View the monthly Income of his shop.

Implemented project features:

**Customer:**

* Creates New Account for new user
* Views different products according to categories
* Selects products and adds to the cart
* Selects products and adds to the to cart
* Views list of products and prices during checkout

**Seller:**

* Views the list of sales and Income with customer details.
* View the monthly Income of his shop.

**So, total of 7/10 features was implemented after the proposal.**

UNIFIED MODELING LANGUAGE (UML) CLASSES DIAGRAM:

|  |
| --- |
| Application |

|  |
| --- |
| Main |

// extends Application class and launches the java FX

|  |
| --- |
| Admin |
| + Login():Boolean  +Registration(regname: String,regPass: String): boolean |

|  |
| --- |
| CartController |
| -stage: Stage  -scene: Scene  -root : parent  -carItemName: TextField |
| getCartText(event: MouseEvent): void  goBackToMenu(event: ActionEvent): void  submitCart(event: ActionEvent): void |

|  |
| --- |
| CricketController |
| -stage : Stage  -scene : Scene  -root : Parent |
| goBackToProductMenu(event: ActionEvent): void  buyBall(event : ActionEvent): void  buyBat(event : ActionEvent): void  buyPad(event : ActionEvent): void |

|  |
| --- |
| DataFile |
| +USERLOGIN: File  +USERNAME : File  +INCOME : File  +TEMPFILE : File  +CustomerNo : int  +CustomerBill: int  +CustomerName: String  +CustomerPass: String |

|  |
| --- |
| FootballController |
| -stage: Stage  -scene: Scene  -root : Parent |
| BALL1(event: ActionEvent):void  BALL2(event: ActionEvent):void  BALL3(event: ActionEvent):void  GoBackToProductMenu(event: ActionEvent):void |

|  |
| --- |
| JerseyController |
| -stage: Stage  -scene: Scene  -root : Parent |
| JerseyGoBack(event: ActionEvent): void  buyArgJersey(event:ActionEvent): void  buyBDJersey(event:ActionEvent): void  buyBarcaJersey(event:ActionEvent): void  buyIndJersey(event:ActionEvent): void  buyPakJersey(event:ActionEvent): void buyPsgJersey(event:ActionEvent): void    LoginController |
| -errotTextField:Label  -LoginUserPass:PasswordField  -LogInBtn:Button  -logUserName: TextField  -SignBtn : Button  -signUserName: TextField  -signUserPass:PassworldField  -errorLabel:Label  -stage:Stage  -scene:Scene  -root:Parent |
| +switchToSignUp(event:ActionEvent): void  +switchToSignIn(event:ActionEvent): void  +LogInButtons(event:ActionEvent): void  +signUpButton(event:ActionEvent): void |

|  |
| --- |
| MenuController |
| -stage: Stage  -scene: Scene  -root : Parent |
| MenuExit(event: ActionEvent): void  +UserCart(event: ActionEvent): void  productsBtn(event:ActionEvent): void  ShopAdsBtn(event:ActionEvent): void  UserInfoBtn(event:ActionEvent): void |

|  |
| --- |
| ProductMenuController |
| -stage: Stage  -scene: Scene  -root : Parent |
| JerseyBtn(event:ActionEvent): void  ProductMenuExit(event:ActionEvent): void  CricketBtn(event: ActionEvent):void  footballBtn(event:ActionEvent):void |

|  |
| --- |
| UserInfoController |
| -stage :Stage  -scene: Scene  -root : Parent  -UsernameLable: Label  -passwordLabel: Label |
| GOBackTOMenu(event:ActionEvent): void  Initialize(<url:URL,resourceBundle>: ResourceBundle):void |