E-Brand Management System

CS162- Final Project Requirement Document



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# Project Description:

The objective of E-Brand Management System would be to improve the proficiency of the Boutique services by handling overall services such as: Handling Customers at Outlet, keeping track of all the clothes or other items made in Industry, No of Workers working there and their registration, Keeping track of Profit and Loss. The admin would be facilitated to keep track of all the Cashiers working in outlets and workers working in Industry

.

In this project there are three modules: -

1.Administrator Module

At the administrator end the admin would be able to add workers on the basis of their bio-data and he can handle stock details and view profit and loss details. Admin can also hire new designers and keep check on their details and work. And if registration of designers gets approved, an email would be sent to a specific person that they are welcomed for work.Admin can also add Manager of Industry and Outlet. Admin would be able to maintain the salary of each person working in industry and outlet. He would be able to do an increment in salaries of his workers on their exceptional work. Everything will be saved in the system for future use.

2.Industrial Module

In industrial Module Manager will keep track of all the clothes based on the categories of stuff of clothes. Manager will also handle the track of suppliers and he can also keep on checking which type of cloth is prepared for specific types of designs. Clothes are being prepared in specific designs and sizes. There will be separate check and balance for Ladies, Kids and Men’s wear and different sizes and styles will be managed according to Casual wear, Formal wear and Traditional wear. Manager will keep a check on the cost of each designer dress and its stuff and all the essentials which the designer needs to get the dress ready.

3. Outlet Module

At this module the customer will come and select their desired clothes and then he will go to the billing point at that intermediate stop. The cashier module will be entertained. Cashier would be able to create a bill according to specific prices of respective clothes. After entering the basic information about clothes, a receipt would be generated for the customer and he can pay. And after the end of the day all the sale details will be provided to the admin so he could figure out profit and losses.Cashier will be able to generate the billing receipt which has all the prices with taxes and how much amount is paid and how much amount is returned to the customer. If there is some ongoing sale in the boutique it will also be managed accordingly. There is also an option of a coupon if a customer has a discount coupon he/she can use it for a specific purpose and get a discounted price.We can also take a number of customers so we can send them a Thank You message on their number. In the outlet there will also be Manager who will manage the stock of the outlet . He will keep a check and balance of all the stock that shows how much stock is left and how much stock is sold . He can also view the profit and loss details to keep a check and balance on the cashier.

At the director's end the administrator would have the option to include laborers with the premise of their profile information and he can deal with stock subtleties and view benefit and misfortune subtleties. Administrators can likewise recruit new fashioners and keep beware of their subtleties and work. Furthermore, if enrollment of planners gets supported, an email would be shipped off to a particular individual that they are invited for work.Admin can likewise add Supervisor of Industry and Outlet. Administrators would have the option to keep up the compensation of every individual working in industry and outlet. He would have the option to do an addition in compensation of his laborers for their remarkable work. All that will be saved in the framework for sometime later.In mechanical Module Administrator will monitor all the garments dependent on the classifications of garments. Supervisor will likewise deal with the track of providers and he can likewise continue checking which kind of fabric is ready for explicit sorts of plans. Garments are being set up in explicit plans and sizes. There will be isolated check and equilibrium for Women, Children and Men's wear and various sizes and styles will be overseen as indicated by Easygoing wear, Formal wear and Conventional wear. Supervisor will keep a beware of the expense of every originator dress and its stuff and every one of the basics which the planner needs to prepare the dressAt this module the client will come and choose their ideal garments and afterward he will go to the charging point at the middle of the stop. The clerk module will be engaged. Clerk would have the option to make a bill as per explicit costs of individual garments. In the wake of entering the fundamental data about garments, a receipt would be created for the client and he can pay. Furthermore, after the day's end all the deal subtleties will be given to the administrator so he could sort out benefits and losses.Cashier will actually want to create the charging receipt which has every one of the costs with assessments and how much sum is paid and how much sum is gotten back to the client. On the off chance that there is some progressing deal in the store it will likewise be overseen as needs be. There is likewise an alternative of a coupon if a client has a rebate coupon he/she can utilize it for a particular reason and get a limited price.We can likewise take various clients so we can send them a Thank You message on their number. In the power source there will likewise be a Director who will deal with the supply of the power source . He will keep a check and equilibrium of the relative multitude of stock that shows how much stock is left and how much stock is sold . He can likewise see the benefit and misfortune subtleties to keep a check and equilibrium on the clerk.

# Project Features:

Following features will be available to the customer of project:-

1. Administrator Module:-

* CRUD Operation on Workers
* CRUD Operation on Designers
* CRUD Operation on Managers
* View Profit and Loss Details
* Increment in Salaries
* Email to Designers

1. Industrial Module:-

* CRUD operation of stock of cloth
* Details of Cost on making of Designer Dress
* Manage Dresses in all categories (Men, Women, Kids)

1. Outlet Module:-

* Manage Stock Details
* Billing of Clothes with and without Discounts
* Generating Bill Receipt
* Updating Admin with all sale details
* Sending Message to Customer

# Technology Stack:

|  |  |
| --- | --- |
| Language(C#/Java) | Java |
| Platform(Web/Desktop) | Desktop |
| Frontend Technology(Simple HTML/Bootstrap/any other library) | GUI |
| IDEs | Netbeans |

# Project Actors:

There will be three actors in this system.

1. Administrator

At the administrator's end, the administrator would be able to add staff based on their bio-data, as well as manage stock and display profit and loss information. Admin may also recruit new designers and monitor their work and information. If a designer's registration is accepted, an email will be sent to a particular individual informing them that they are welcome to work.Admin will be able to keep track of each person's salary in the industry and outlet. He will be able to raise wages and reward his employees for their outstanding performance. All will be stored for future use of the system.

1. Industry Manager

Manager can keep track of all of the clothes depending on the different types of clothing. Managers will also keep track of suppliers, and they will be able to verify which varieties of fabric are available for particular designs.The manager will keep track of the cost of each designer dress and its accessories, as well as all of the other necessities that the designer will need to complete the dress.

1. Outlet Manager

Manager in charge of the outlet's inventory. He will keep track of all the stock, including how much is left and how much has been sold. He should also look at the profit and loss figures to keep an eye on the cashier.

1. Cashier

The cashier will be able to generate a bill based on the costs of the various items. A receipt will be issued for the customer after entering the basic details about the clothing, and he will be able to pay. And at the end of the day, all of the selling information will be sent to the admin so that he can calculate profit and loss. The cashier would be able to print a billing receipt that includes all of the rates, including taxes.

# Use Cases:

All the use cases should be written in the following format. The name of use should be started with a word e.g. Add Student. It should not be a Student/ Student Add. Add Student is separate use case and Edit Student is separate use case:

## Use Case 1:

|  |  |
| --- | --- |
| Use Case ID | U01 |
| Name | e-brand |
| Actor | * Administrator * Industrial * outlet |
| Description | This will be the main page and on it three options in the form of buttons will be shown. The three options will be Administrator module, Industrial module, cashier and outlet module. On entering any one option the next page will open accordingly. |
| Layout in pencil tool |  |
| Validators | This is the main front page so no validations will be here as we are only using buttons. |

## Use Case 2(Administrator):

|  |  |
| --- | --- |
| Use Case ID | U02 |
| Name | login |
| Actor | Administrator |
| Description | On entering the option of administrator the new page will open of login, In this the administrator will put username and password and will login and further things will be accessed to the administrator. Only administrators can use this by entering password and username and in this validations are also used. |
| Layout in pencil tool |  |
| Validators | There are two validators for username and password. |

## Use Case 3(Administrator):

|  |  |
| --- | --- |
| Use Case ID | U03 |
| Name | options |
| Actor | Administrator |
| Description | After logging in to the administrator the new page will open with the following options of workers, managers, designers, view stock details, salary details and emails to the designer. Each will further have more options on entering any one of the given.. |
| Layout in pencil tool |  |
| Validators | There are no validators used bcz only buttons are used for entering option. |

## Use Case 4(Workers):

|  |  |
| --- | --- |
| Use Case ID | U04 |
| Name | options:   * Add * View * Update * Delete * Search * Exit |
| Actor | Worker |
| Description | On entering the tab of workers the options of the workers will be shown. In this administrator will  be given four options of add, update, view and delete. On entering any one the following work will be done. |
| Layout in pencil tool |  |
| Validators | There are no validators used in the options. |

**Use Case 5(ADD):**

|  |  |
| --- | --- |
| Use Case ID | U05 |
| Name | add |
| Actor | Administrator |
| Description | If you want to add any employee for that you will enter the information of that employee. The information will include full name, Phone number, CNIC number and salary and after entering this the employee will be added., |
| Layout in pencil tool |  |
| Validators | There will be validations for name, phone number, CNIC number and salary. |

**Use Case 6(Workers):**

|  |  |
| --- | --- |
| Use Case ID | U06 |
| Name | Edit |
| Actor | worker |
| Description | If you want to edit any employee for that you will enter the name of that employee from the list. The information will include full name, Phone number, CNIC number and salary will be shown and after entering this the employee will be edited. |
| Layout in pencil tool |  |
| Validators | There will be validations for name, phone number, CNIC number and salary. |

**Use Case 7(Workers):**

|  |  |
| --- | --- |
| Use Case ID | U07 |
| Name | view |
| Actor | worker |
| Description | If you want to view any employee for that you will enter the name of that employee from the list. The information will include full name, Phone number, CNIC number and salary will be shown in the table and after entering this the employee will be viewed. |
| Layout in pencil tool |  |
| Validators | There will be validations for name, phone number, CNIC number and salary. |

**Use Case 8(Workers):**

|  |  |
| --- | --- |
| Use Case ID | U08 |
| Name | Search |
| Actor | worker |
| Description | If you want to search any employee for that you will enter the name of that employee from the list. The information will include full name, Phone number, CNIC number and salary, these will be shown in the list and after entering this the employee will be searched from the list. |
| Layout in pencil tool |  |
| Validators | There will be validations for name, phone number, CNIC number and salary. |

**Use Case 9(Workers):**

|  |  |
| --- | --- |
| Use Case ID | U09 |
| Name | Delete |
| Actor | worker |
| Description | If you want to delete any employee for that you will enter the name of that employee from the list. The information will include full name, Phone number, CNIC number and salary, these will be shown in the list and after entering this the employee will be deleted from the list. |
| Layout in pencil tool |  |
| Validators | There will be validations for name, phone number, CNIC number and salary. |

**Use Case 10(workers):**

|  |  |
| --- | --- |
| Use Case ID | U10 |
| Name | Exit |
| Actor | worker |
| Description | If you want to exit this you will press the button of exit and this page will be closed. |
| Layout in pencil tool |  |
| Validators | There will be no validations for this. |

**Use Case 11(Managers):**

|  |  |
| --- | --- |
| Use Case ID | U11 |
| Name | Options |
| Actor | Manager |
| Description | On entering the tab of the manager the options will be shown. In this administrator will  be given four options of add, update, view and delete. On entering manager more options will be shown. The options will consist of add, edit,view, search, delete and exit. . |
| Layout in pencil tool |  |
| Validators | There will be no validations for this. |

**Use Case 12(Managers):**

|  |  |
| --- | --- |
| Use Case ID | U12 |
| Name | add |
| Actor | Manager |
| Description | .If you want to add any employee for that you will enter the information of that employee. The information will include full name, Phone number, CNIC number, email and salary and after entering this the employee will be added |
| Layout in pencil tool |  |
| Validators | There will be validations for name, phone number, CNIC, email and salary. |

**Use Case 13(Managers):**

|  |  |
| --- | --- |
| Use Case ID | U13 |
| Name | edit |
| Actor | Manager |
| Description | If you want to edit any employee for that you will enter the name of that employee from the list. The information will include full name, Phone number, CNIC number and salary will be shown and after entering this the employee will be edited. |
| Layout in pencil tool |  |
| Validators | There will be validations for name, phone number, CNIC, email and salary. |

**Use Case 14(Managers):**

|  |  |
| --- | --- |
| Use Case ID | U14 |
| Name | view |
| Actor | Manager |
| Description | If you want to view any employee for that you will enter the name of that employee from the list. The information will include full name, Phone number, CNIC number and salary will be shown in the table and after entering this the employee will be viewed. |
| Layout in pencil tool |  |
| Validators | There will be validations for name, phone number, CNIC, email and salary. |

**Use Case 15(Managers):**

|  |  |
| --- | --- |
| Use Case ID | U15 |
| Name | Search |
| Actor | Manager |
| Description | If you want to search any employee for that you will enter the name of that employee from the list. The information will include full name, Phone number, CNIC number and salary, these will be shown in the list and after entering this the employee will be searched from the list. |
| Layout in pencil tool |  |
| Validators | There will be validations for name, phone number, CNIC, email and salary. |

**Use Case 16(Managers):**

|  |  |
| --- | --- |
| Use Case ID | U16 |
| Name | Delete |
| Actor | Manager |
| Description | If you want to delete any employee for that you will enter the name of that employee from the list. The information will include full name, Phone number, CNIC number and salary, these will be shown in the list and after entering this the employee will be deleted from the list. |
| Layout in pencil tool |  |
| Validators | There will be validations for name, phone number, CNIC, email and salary. |

**Use Case 17(Managers):**

|  |  |
| --- | --- |
| Use Case ID | U17 |
| Name | Exit |
| Actor | Manager |
| Description | If you want to exit this you will press the button of exit and this page will be closed. |
| Layout in pencil tool |  |
| Validators | There is no validation. |

**Use Case 18(Designers):**

|  |  |
| --- | --- |
| Use Case ID | U18 |
| Name | Options |
| Actor | Designers |
| Description | On entering the designer tab the options will be shown. In this administrator will  be given four options of add, update, view and delete. On entering the designer more options will be shown. The options will consist of add, edit,view, search, delete and exit. . |
| Layout in pencil tool |  |
| Validators | There will be no validations for this. |

**Use Case 19(Designer):**

|  |  |
| --- | --- |
| Use Case ID | U19 |
| Name | add |
| Actor | Designer |
| Description | .If you want to add any designer for that you will enter the information of that employee. The information will include full name, Phone number, CNIC number, email and salary and after entering this the designer will be added |
| Layout in pencil tool |  |
| Validators | There will be validations for name, phone number, CNIC, email and salary. |

**Use Case 20(Designer):**

|  |  |
| --- | --- |
| Use Case ID | U20 |
| Name | edit |
| Actor | Designer |
| Description | If you want to edit any designer for that you will enter the name of that employee from the list. The information will include full name, Phone number, CNIC number and salary will be shown and after entering this the designer will be edited. |
| Layout in pencil tool |  |
| Validators | There will be validations for name, phone number, CNIC, email and salary. |

**Use Case 21(Designer):**

|  |  |
| --- | --- |
| Use Case ID | U21 |
| Name | view |
| Actor | Designer |
| Description | If you want to view any designer for that you will enter the name of that employee from the list. The information will include full name, Phone number, CNIC number and salary will be shown in the table and after entering this the designer will be viewed. |
| Layout in pencil tool |  |
| Validators | There will be validations for name, phone number, CNIC, email and salary. |

**Use Case 22(Designer):**

|  |  |
| --- | --- |
| Use Case ID | U22 |
| Name | Search |
| Actor | Designer |
| Description | If you want to search any designer for that you will enter the name of that employee from the list. The information will include full name, Phone number, CNIC number and salary, these will be shown in the list and after entering this the designer will be searched from the list. |
| Layout in pencil tool |  |
| Validators | There will be validations for name, phone number, CNIC, email and salary. |

**Use Case 23(Designer):**

|  |  |
| --- | --- |
| Use Case ID | U23 |
| Name | Delete |
| Actor | Designer |
| Description | If you want to delete any designer for that you will enter the name of that employee from the list. The information will include full name, Phone number, CNIC number and salary, these will be shown in the list and after entering this the designer will be deleted from the list. |
| Layout in pencil tool |  |
| Validators | There will be validations for name, phone number, CNIC, email and salary. |

**Use Case 24(Designer):**

|  |  |
| --- | --- |
| Use Case ID | U24 |
| Name | Exit |
| Actor | Designer |
| Description | If you want to exit this you will press the button of exit and this page will be closed. |
| Layout in pencil tool |  |
| Validators | There is no validation. |

**Use Case 25(Salary):**

|  |  |
| --- | --- |
| Use Case ID | U25 |
| Name | options |
| Actor | Salary |
| Description | On entering the salary option we will have two options of whether to increment or exit. |
| Layout in pencil tool |  |
| Validators | There is no validation. |

**Use Case 26(Salary):**

|  |  |
| --- | --- |
| Use Case ID | U26 |
| Name | increment |
| Actor | Salary |
| Description | On entering Increment you will be having a page with CNIC number and employees. Plus admin will enter the amount of salary to be incremented and after incrementation the amount of total salary will be shown of each employee in the list given below. . |
| Layout in pencil tool |  |
| Validators | There is validation for CNIC, employees and salary amount. |

**Use Case 27(Salary):**

|  |  |
| --- | --- |
| Use Case ID | U27 |
| Name | Exit |
| Actor | Salary |
| Description | There will be an option of Exit. On pressing that option the page will be closed. |
| Layout in pencil tool |  |
| Validators | There is no validation. |

**Use Case 28(Report):**

|  |  |
| --- | --- |
| Use Case ID | U28 |
| Name | Details report |
| Actor | Administrator |
| Description | There will be an option of Exit. On pressing that option the page will be closed. |
| Layout in pencil tool |  |
| Validators | There is no validation. |

## Use Case 29:

|  |  |
| --- | --- |
| Use Case ID | U29 |
| Name | e-brand |
| Actor | * Administrator * Industrial * outlet |
| Description | This will be the main page and on it three options in the form of buttons will be shown. The three options will be Administrator module, Industrial module, cashier and outlet module. On entering any one option the next page will open accordingly. When we enter the industry, a new page will open. |
| Layout in pencil tool |  |
| Validators | This is the main front page so no validations will be here as we are only using buttons. |

## Use Case 30(Industry):

|  |  |
| --- | --- |
| Use Case ID | U30 |
| Name | * clothing manager * designer * stock manager |
| Actor | industrial management |
| Description | In this after entering industrial management we will be shown with three options. The three options will be clothing manager, designer and stock manager. Users can enter on any one of these. The options are given in buttons. |
| Layout in pencil tool |  |
| Validators | This is the main front page so no validations will be here as we are only using buttons. |

## Use Case 31(login):

|  |  |
| --- | --- |
| Use Case ID | U31 |
| Name | login |
| Actor | clothing manager |
| Description | After entering the clothing manager a new page of login will be opened. In this page there will be written on top welcome as a clothing manager kindly enter credentials and then manager will enter the credentials. The credentials include username and password. After that manager will enter login to enter in the system. |
| Layout in pencil tool |  |
| Validators | there will be validation for username and password. |

## Use Case 32(options):

|  |  |
| --- | --- |
| Use Case ID | U32 |
| Name | options |
| Actor | clothing manager |
| Description | After logging in to the clothing manager the two options will be shown of add and exit. On entering any of the options the function will be performed. Both the options are given in buttons. |
| Layout in pencil tool |  |
| Validators | This is the main front page so no validations will be here as we are only using buttons. |

## Use Case 33(Add):

|  |  |
| --- | --- |
| Use Case ID | U33 |
| Name | add |
| Actor | Clothing manager |
| Description | After logging in when the manager wants to add the cloth he will add the details of the raw cloth. The details will include cloth detail, cloth code, amount of cloth in meter and cost of 1 meter after entering the required information the raw cloth will be added to the list of the clothes available. In the list below after adding clothes the whole list of clothes will be viewed. |
| Layout in pencil tool |  |
| Validators | There are no validations. |

## Use Case 34(View):

|  |  |
| --- | --- |
| Use Case ID | U34 |
| Name | view |
| Actor | Clothing manager |
| Description | After adding the cloth the manager can view the list of all the clothes added and available in the stock. |
| Layout in pencil tool |  |
| Validators | This is no validation. |

## Use Case 35(Exit):

|  |  |
| --- | --- |
| Use Case ID | U35 |
| Name | Exit |
| Actor | Clothing manager |
| Description | If the manager wants to exit the page he will press the exit button and the page will be closed. |
| Layout in pencil tool |  |
| Validators | There is no validation.. |

## Use Case 36(Designer login):

|  |  |
| --- | --- |
| Use Case ID | U36 |
| Name | login |
| Actor | Designer |
| Description | After entering the designer's button , a new page of login will be opened. On this page there will be written on top welcome as a designer kindly enter credentials and then designer will enter the credentials. The credentials include username and password. After that the designer will enter the login to enter in the system. |
| Layout in pencil tool |  |
| Validators | There will be validation of username and password. |

## Use Case 37(options):

|  |  |
| --- | --- |
| Use Case ID | U37 |
| Name | options |
| Actor | designer |
| Description | After logging in to the designer the new page will open which will consist of two options for the designer. The two options will be received cloth and delivered cloth which will be shown in the form of tab of the top on page. |
| Layout in pencil tool |  |
| Validators | There is no validation |

## Use Case 38(received cloth):

|  |  |
| --- | --- |
| Use Case ID | U38 |
| Name | received cloth options |
| Actor | designer |
| Description | After entering on the ta of received cloth the designer will be shown options. The options will be of request through which it will request to the designer to send the amount of clothes that are needed and then the list will be viewed and there will be an option of exit too. |
| Layout in pencil tool |  |
| Validators | There is no validation. |

## Use Case 39(Request):

|  |  |
| --- | --- |
| Use Case ID | U39 |
| Name | request to clothing manager |
| Actor | designer |
| Description | In this if the designer wants to request the cloth to the clothing manager for that the designer will enter the details of cloth which will include the cloth code, amount of cloth for one dress, total dresses that will be prepared and collection that will be in combo box and will include a collection of kids, men and women. |
| Layout in pencil tool |  |
| Validators | .There is no validation. |

## Use Case 40(View):

|  |  |
| --- | --- |
| Use Case ID | U40 |
| Name | view requested list |
| Actor | designer |
| Description | In this the designer after requesting the cloth amount to the clothing manager can view the list of requested clothes in the list given below. |
| Layout in pencil tool |  |
| Validators | There is no validation. |

## Use Case 41(Exit):

|  |  |
| --- | --- |
| Use Case ID | U41 |
| Name | Exit |
| Actor | Designer |
| Description | If the designer wants to leave the page for that the designer will enter on the exit button. After entering the exit button the page will be closed. |
| Layout in pencil tool |  |
| Validators | .There is no validation. |

## Use Case 42(Delivered cloth):

|  |  |
| --- | --- |
| Use Case ID | U42 |
| Name | Options |
| Actor | Designer |
| Description | After entering the tab of delivered cloth the page will open with the options. The options will be to send the stock to the stock manager, the designer can view the details of the stock to be delivered and the designer can exit the page. All options are given in the form of tabs. |
| Layout in pencil tool |  |
| Validators | There is no validation. |

## Use Case 43(Send):

|  |  |
| --- | --- |
| Use Case ID | U43 |
| Name | send |
| Actor | designer |
| Description | If the designer wants to send the stock which is ready to be delivered then for sending the stock the designer has to enter the details. The details will include cloth code, dress code and the total cost. After entering the information the designer can send the stock to the stock manager. |
| Layout in pencil tool |  |
| Validators | .There is no validation. |

## Use Case 44(View):

|  |  |
| --- | --- |
| Use Case ID | U44 |
| Name | view |
| Actor | designer |
| Description | If the designer wants to see the stock which he will send to the stock manager he can view that. For viewing he will press on the view button and then the list will be viewed below. |
| Layout in pencil tool |  |
| Validators | .There is no validation. |

## Use Case 45(Exit):

|  |  |
| --- | --- |
| Use Case ID | U45 |
| Name | Exit |
| Actor | designer |
| Description | If the designer wants to exit the page for that the designer will enter the exit button. When the designer will enter the exit button the page will be left. |
| Layout in pencil tool |  |
| Validators | There is no validation. |

## Use Case 46(Stock Manager):

|  |  |
| --- | --- |
| Use Case ID | U46 |
| Name | login |
| Actor | stock manager |
| Description | After entering the button of the stock manager a new page of login will be opened. On this page there will be written on top welcome as a stock manager kindly enter credentials and then stock manager will enter the credentials. The credentials include username and password. After that stock manager will enter login to enter in the system |
| Layout in pencil tool |  |
| Validators | There will be validation of username and password. |

## Use Case 47(Exit):

|  |  |
| --- | --- |
| Use Case ID | U47 |
| Name | Exit |
| Actor | Stock manager |
| Description | If the manager wants to exit and go to the main page it will enter the exit button. This exit button is mainly for someone who opens this mistakenly. |
| Layout in pencil tool |  |
| Validators | There is validation for name and password. |

## Use Case 48(options):

|  |  |
| --- | --- |
| Use Case ID | U48 |
| Name | options |
| Actor | stock manager |
| Description | when the user login to the system a page opens with the options of dress details and stock details. Both options are in the tab. |
| Layout in pencil tool |  |
| Validators | There is no validation. |

## Use Case 49(Dress details):

|  |  |
| --- | --- |
| Use Case ID | U49 |
| Name | dress details |
| Actor | Stock manager |
| Description | When you will open dress details there will be two options of deliver and exit. both are in buttons. |
| Layout in pencil tool |  |
| Validators | There is no validation. |

## Use Case 50(Deliver):

|  |  |
| --- | --- |
| Use Case ID | U50 |
| Name | deliver |
| Actor | Stock manager |
| Description | If the manager wants to deliver the stock to the company for that the manager will enter the dress details. The dress details include dress code. After entering the dress code the ordered will be delivered. |
| Layout in pencil tool |  |
| Validators | There is no validation. |

## Use Case 51(View):

|  |  |
| --- | --- |
| Use Case ID | U51 |
| Name | view |
| Actor | stock manager |
| Description | If the manager wants to view the delivered stock or the stock which is to be delivered that can be viewed. The list will be viewed in the list given below. |
| Layout in pencil tool |  |
| Validators | There is no validation. |

## Use Case 52(Exit):

|  |  |
| --- | --- |
| Use Case ID | U52 |
| Name | exit |
| Actor | stock manager |
| Description | If the manager wants to exit the page for that the manager will click on exit button and after that the page will be closed. |
| Layout in pencil tool |  |
| Validators | There is no validation. |

## Use Case 53(Stock details):

|  |  |
| --- | --- |
| Use Case ID | U53 |
| Name | options |
| Actor | Stock manager |
| Description | when the manager will click on stock details two options will be shown. One will be of view where the manager will view the whole stock and the other will be of exit. |
| Layout in pencil tool |  |
| Validators | .There is no validation. |

## Use Case 54(view):

|  |  |
| --- | --- |
| Use Case ID | U54 |
| Name | view |
| Actor | Stock manager |
| Description | If the manager wants to see the stock for that there will be a list. On the list the cloth information will be given which includes cloth code, total cloth, tatl dresses and collection. |
| Layout in pencil tool |  |
| Validators | .There will be no validation. |

## Use Case 55(Exit):

|  |  |
| --- | --- |
| Use Case ID | U55 |
| Name | exit |
| Actor | Stock manager |
| Description | If the manager wants to exit the page for that there is an exit button. On pressing the exit button the page will be closed. |
| Layout in pencil tool |  |
| Validators | .There is no validation. |

## Use Case 56(main page):

## 

|  |  |
| --- | --- |
| Use Case ID | U29 |
| Name | e-brand |
| Actor | * Administrator * Industrial * outlet |
| Description | This will be the main page and on it three options in the form of buttons will be shown. The three options will be Administrator module, Industrial module, cashier and outlet module. On entering any one option the next page will open accordingly. When we enter the industry, a new page will open. |
| Layout in pencil tool |  |
| Validators | This is the main front page so no validations will be here as we are only using buttons. |

## Use Case 57(outlet):

|  |  |
| --- | --- |
| Use Case ID | U57 |
| Name | options |
| Actor | no actor |
| Description | When a user clicks on an outlet there will be two options, one will be of manager and other will be of cashier. The server can enter from both and can login to the system. |
| Layout in pencil tool |  |
| Validators | .There is no validation. |

## Use Case 58(manager):

|  |  |
| --- | --- |
| Use Case ID | U58 |
| Name | login |
| Actor | manager |
| Description | When the user enters the manager after that the login page of the manager will be opened and there will be written welcome as an outlet manager kindly enter your credentials. Then the user will enter username and password and will login to the system. |
| Layout in pencil tool |  |
| Validators | .There will be validation of name and password. |

## Use Case 59(exit):

|  |  |
| --- | --- |
| Use Case ID | U59 |
| Name | exit |
| Actor | manager |
| Description | If the manager wants to close the page, the user will enter an exit button and the page will be closed. |
| Layout in pencil tool |  |
| Validators | .There will be no validations. |

## Use Case 60(options):

|  |  |
| --- | --- |
| Use Case ID | U60 |
| Name | options |
| Actor | manager |
| Description | When the manager will login to the system a new page will be opened with the options. The options will be of display, view and exit. All options are on button. |
| Layout in pencil tool |  |
| Validators | .There will be no validation |

## Use Case 61(Display):

|  |  |
| --- | --- |
| Use Case ID | U61 |
| Name | display |
| Actor | manager |
| Description | If the manager wants to display the products for that the manager has to enter the details of the project. The details of the project include the dress code which will be displayed and the price of the dress on which that will be sold out. |
| Layout in pencil tool |  |
| Validators | .There is no validation. |

## Use Case 62(view):

|  |  |
| --- | --- |
| Use Case ID | U62 |
| Name | view |
| Actor | manager |
| Description | If the manager wants to view the stock or the price that can be viewed. When the manager will enter on view option all the following things will be viewed: the dress code, the total dresses which means tha total stock, the collection of dresses, the total cost price and the total sale price. |
| Layout in pencil tool |  |
| Validators | .There is no validation. |

## Use Case 63(Exit):

|  |  |
| --- | --- |
| Use Case ID | U63 |
| Name | Exit |
| Actor | manager |
| Description | If the manager wants to leave the page for that the manager will click on the exit button. After clicking on the exit button the page will be closed. |
| Layout in pencil tool |  |
| Validators | There is no validation. |

## Use Case 64(Cashier):

|  |  |
| --- | --- |
| Use Case ID | U64 |
| Name | login |
| Actor | cashier |
| Description | When the user enters the cashier the login page of the cashier will be opened on which there is written welcome as a cashier kindly enter your credentials. Then the user will enter username and password and will be logged in to the system. |
| Layout in pencil tool |  |
| Validators | .There is validation for username and password. |

## Use Case 65(Exit):

|  |  |
| --- | --- |
| Use Case ID | U65 |
| Name | exit |
| Actor | cashier |
| Description | If the user wants to exit the page for that the user can enter on exit button. After entering the exit button this page will be closed. This exit button is mainly for those who enter mistakenly. |
| Layout in pencil tool |  |
| Validators | .There will be validation of username and password. |

## Use Case 66(options):

|  |  |
| --- | --- |
| Use Case ID | U66 |
| Name | options |
| Actor | cashier |
| Description | When the cashier will login to the system there will be options for the cashier which will be add, exit, generate bill and view. |
| Layout in pencil tool |  |
| Validators | .There is no validator. |

## Use Case 67(Add):

|  |  |
| --- | --- |
| Use Case ID | U67 |
| Name | add |
| Actor | cashier |
| Description | The cashier can add dresses to the dresses. To add the dress, the cashier will have to enter the dress code and then after clicking on the add button the dress will be added. The cashier can add dresses like this. |
| Layout in pencil tool |  |
| Validators | .There is no validator. |

## Use Case 68(View):

|  |  |
| --- | --- |
| Use Case ID | U68 |
| Name | view |
| Actor | cashier |
| Description | If the cashier wants to view the list of dresses which are sold or for whom the bill is to be generated, the cashier can also view that. For that the cashier will see the list of dress code, the collection and the sale price which will be in the form of table. |
| Layout in pencil tool |  |
| Validators | .There is no validator. |

## Use Case 69(exit):

|  |  |
| --- | --- |
| Use Case ID | U69 |
| Name | exit |
| Actor | cashier |
| Description | If the cashier wants to exit the page, the cashier will click on the exit button and the page will be closed. |
| Layout in pencil tool |  |
| Validators | .There is no validator. |

## Use Case 70(generate bill):

|  |  |
| --- | --- |
| Use Case ID | U70 |
| Name | generate bill |
| Actor | cashier |
| Description | If the cashier wants to generate the bill then the cashier after adding the dresses can click on the button to generate the bill. After clicking on the button the bill will be generated. |
| Layout in pencil tool |  |
| Validators | .There is no validator. |

# User Interface Details

In this section, fill the table for a summary of which use case will have the required component. Inside each box, write the counts for each component. If a component is not used, write zero.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Use Case Id | TextBox | DropDown | Password Box | Table | Date Field | Buttons | AutoComplete | Radio Button | CheckBox | Menu | Text Area | ProgressBar |
| U01 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| U02 | 3 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 2 | 0 |
| U03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| U04 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 4 | 0 |
| U05 | 1 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 4 | 0 |
| U06 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 4 | 0 |
| U07 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 4 | 0 |
| U08 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 4 | 0 |
| U09 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 4 | 0 |
| U10 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 4 | 0 |
| U11 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 5 | 0 |
| U12 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 5 | 0 |
| U13 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 5 | 0 |
| U14 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 5 | 0 |
| U15 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 5 | 0 |
| U16 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 5 | 0 |
| U17 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 5 | 0 |
| U18 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 5 | 0 |
| U19 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 5 | 0 |
| U20 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 5 | 0 |
| U21 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 5 | 0 |
| U22 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 5 | 0 |
| U23 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 5 | 0 |
| U24 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 5 | 0 |
| U25 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 0 |
| U26 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 0 |
| U27 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 0 |
| U28 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 |
| U29 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 1 | 1 | 2 | 0 |
| U30 | 0 | 1 | 0 | 1 | 1 | 4 | 1 | 0 | 0 | 2 | 2 | 0 |
| U31 | 0 | 1 | 1 | 1 | 1 | 5 | 0 | 1 | 1 | 2 | 5 | 1 |
| U32 | 0 | 1 | 0 | 1 | 1 | 5 | 0 | 1 | 1 | 2 | 5 | 1 |
| U33 | 0 | 1 | 0 | 1 | 1 | 5 | 0 | 0 | 0 | 2 | 5 | 1 |
| U34 | 0 | 1 | 0 | 1 | 1 | 5 | 0 | 0 | 0 | 2 | 5 | 1 |
| U35 | 0 | 1 | 0 | 1 | 1 | 4 | 0 | 0 | 0 | 2 | 5 | 0 |
| U36 | 0 | 1 | 1 | 0 | 1 | 4 | 0 | 0 | 0 | 2 | 4 | 0 |
| U37 | 0 | 0 | 1 | 0 | 1 | 4 | 0 | 0 | 0 | 2 | 4 | 0 |
| U38 | 0 | 0 | 0 | 1 | 1 | 4 | 0 | 0 | 0 | 2 | 4 | 0 |
| U39 | 0 | 0 | 0 | 1 | 1 | 5 | 0 | 0 | 0 | 2 | 4 | 0 |
| U40 | 0 | 0 | 0 | 1 | 1 | 5 | 0 | 0 | 0 | 1 | 4 | 0 |
| U41 | 0 | 0 | 0 | 1 | 0 | 5 | 0 | 0 | 0 | 1 | 4 | 0 |
| U42 | 0 | 0 | 0 | 1 | 0 | 5 | 0 | 0 | 0 | 1 | 3 | 0 |
| U43 | 1 | 0 | 0 | 1 | 0 | 5 | 0 | 0 | 0 | 1 | 3 | 0 |
| U44 | 2 | 1 | 0 | 1 | 0 | 5 | 0 | 0 | 0 | 1 | 3 | 0 |
| U45 | 2 | 1 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 3 | 0 |
| U46 | 2 | 1 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 3 | 0 |
| U47 | 2 | 1 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 1 | 3 | 0 |
| U48 | 4 | 1 | 0 | 1 | 0 | 4 | 0 | 1 | 0 | 1 | 3 | 0 |
| U49 | 4 | 1 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 3 | 0 |
| U50 | 4 | 1 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 3 | 0 |
| U51 | 4 | 1 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 4 | 0 |
| U52 | 4 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 4 | 0 |
| U53 | 4 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 2 | 4 | 0 |
| U54 | 4 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 4 | 0 |
| U55 | 2 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 4 | 0 |
| U56 | 2 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 4 | 0 |
| U57 | 2 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 2 | 4 | 0 |
| U58 | 2 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 2 | 4 | 0 |
| U59 | 2 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 5 | 0 |
| U60 | 2 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 5 | 0 |
| U61 | 2 | 1 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 5 | 0 |
| U62 | 2 | 1 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 5 | 0 |
| U63 | 1 | 1 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 5 | 0 |
| U64 | 1 | 1 | 0 | 1 | 1 | 3 | 0 | 0 | 1 | 0 | 5 | 0 |
| U65 | 1 | 1 | 1 | 1 | 1 | 3 | 0 | 0 | 1 | 0 | 5 | 0 |
| U66 | 1 | 1 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 4 | 0 |
| U67 | 1 | 1 | 1 | 1 | 1 | 3 | 0 | 10 | 0 | 0 | 2 | 0 |
| U68 | 1 | 1 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 2 | 0 |
| U69 | 0 | 1 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 2 | 0 |
| U70 | 0 | 1 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 2 | 0 |

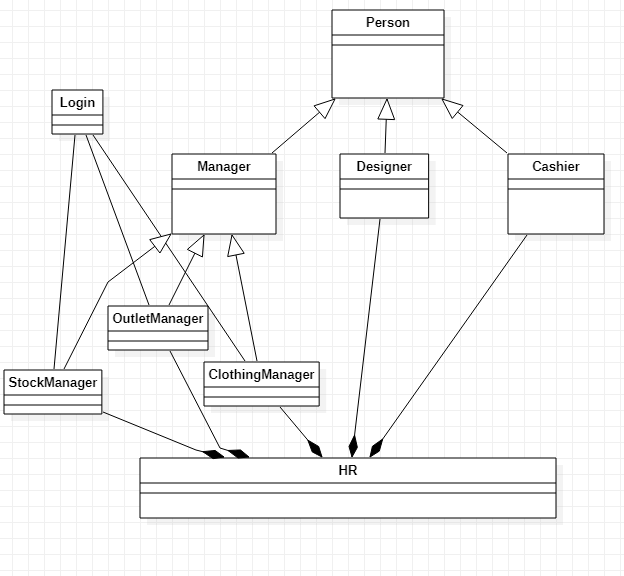
# Classes:

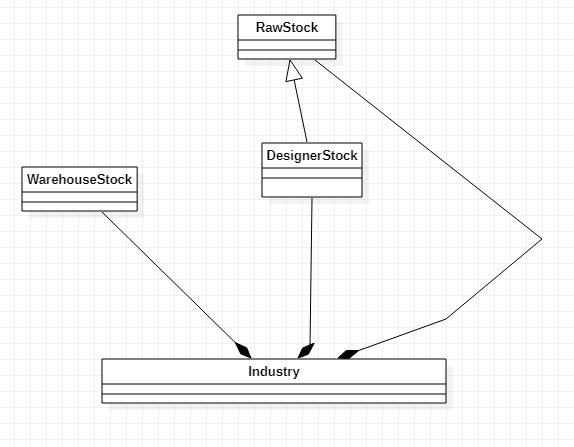
In this section, we do not require a detailed design diagram. But identify the tentative classes with the requirement that you should have at least 10 domain classes and 5 software classes, 3 abstract classes, 2 singleton classes. Fill the following table for details. Note that class name should follow naming conventions

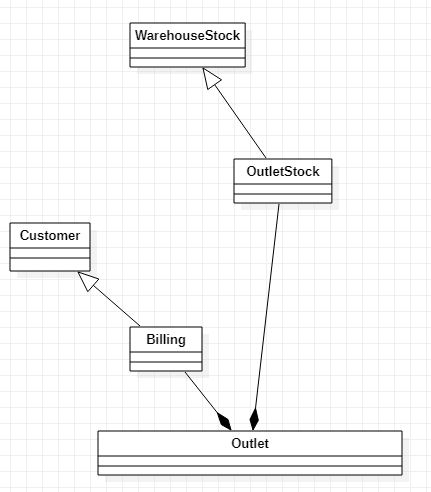
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class Name** | **Software/ Domain** | **Is Abstract (Yes/No)** | **Is Singleton (Yes/No)** | **Is the class will has parameterized constructor(Yes/No)** |
| Person | Domain | Yes | No | No |
| ClothingManager | Domain | No | No | Yes |
| OutletManager | Domain | No | No | Yes |
| StockManager | Domain | No | No | Yes |
| Outlet | Domain | No | No | No |
| Industry | Domain | No | No | No |
| Administrator | Domain | No | No | No |
| Designer | Domain | Yes | No | No |
| Cashier | Domain | No | No | No |
| RawStock | Domain | No | No | No |
| MainScreen | Software | No | No | No |
| Admin | Software | No | No | No |
| Industrial | Software | No | No | No |
| Login | Software | No | No | No |
| Outlet | Software | No | No | No |
| Stock | Domain | No | No | No |
| Manager | Domain | Yes | No | No |
| Drive Industry | Domain | No | Yes | No |
| Drive Outlet | Domain | No | Yes | No |

# Object Oriented Features:

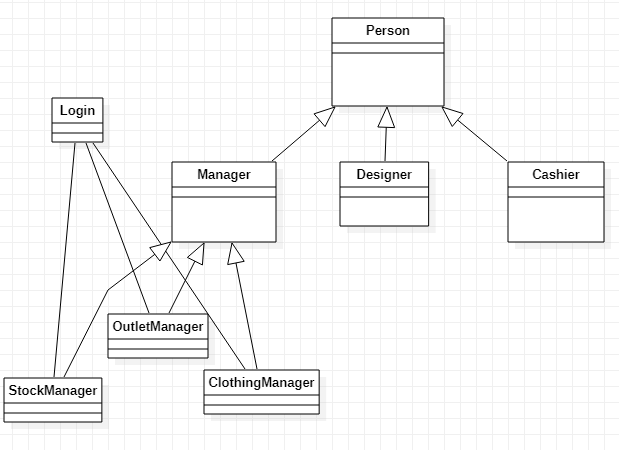
## Composition:

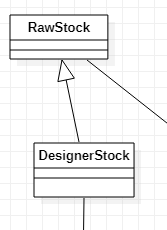




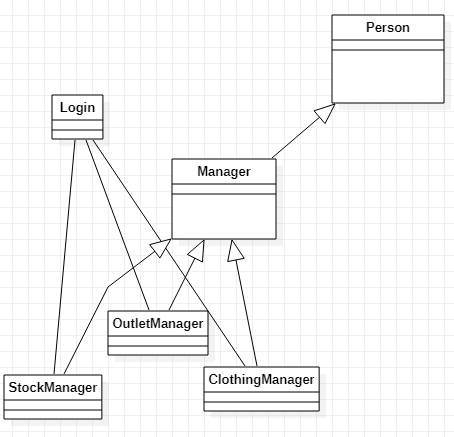


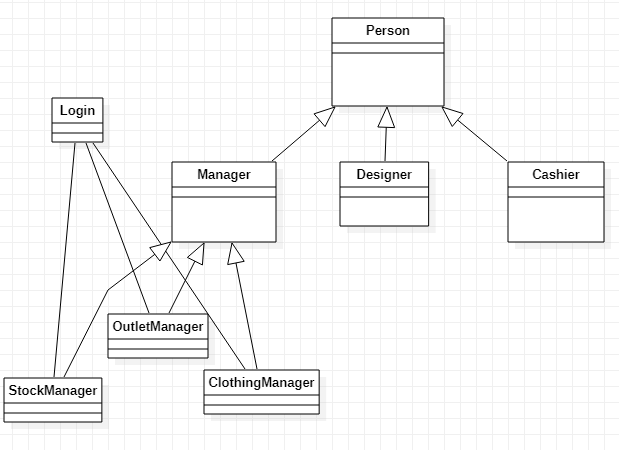
## Inheritance:



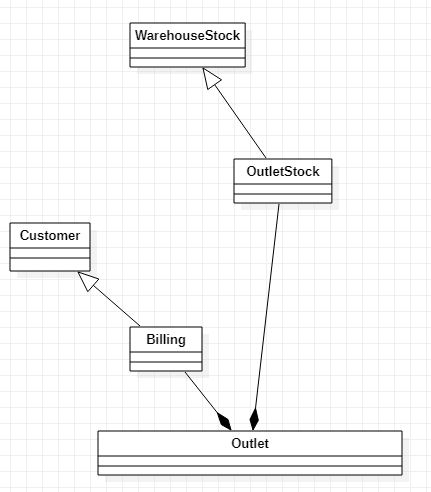


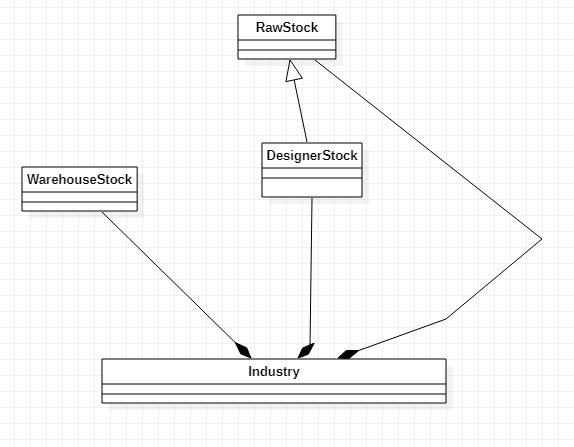
## Multi-Level Inheritance:

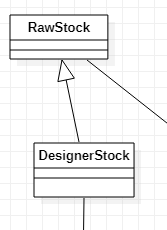




## Polymorphism:







# Collections:

In this section, describe how and where you will use the following collections and why you are forced to use these collections.

ArrayList, LinkedList, Queue, Stack, HashSet and TreeSet

**Array List:**

We will use an array list for storing the following data of the modules in a proper manner . We are forced to use Array List so as to manage the all record of the following character:

* Managers List
* Cashiers List
* Designers List
* Workers List

**Linked List:**

We use Linked List for storing the following data:

* Cloth List
* Dress List

**Queue List:**

We use Queue List for storing the following data in a sequence of FIFO :

* Customer List

# Exceptions:

In this section, identify at a high level which type of exceptions you can face in your code and what are the solutions. Add more rows in the table as per requirements.

|  |  |  |
| --- | --- | --- |
| Type of Exception | Why this exception will occur | How you will handle the exception |
| ArrayIndexOutOfBoundsException | It's thrown when an array has been accessed with an incorrect index. The index can be negative, or it can be greater than or equal to the array's size. | We will handle for loop accurately to handle this exception |
| NullPointerException | When referring to the members of a null object, this exception is thrown. Nothing is represented by null. | We can use try-catch block or if else to handle this exception |
| RuntimeException | Any exception that occurs during runtime is represented by this variable | we will remove all the errors present in our code. |
| StringIndexOutOfBoundsException | It's thrown by String type methods when an index is either negative or larger than the string's length. | String may be used to verify the string's range. Use the length() method to access the characters of the string. |

# Data Storage:

In this section, describe the five files with their format from where you will read or store data. In the case of a database table, write down the names of columns for tables. At least 5 files/ tables are required.

**Files Name:**

Following are the five files with their format from where we will read or store data:

* employee.txt
* cloth.txt
* dress.txt
* profit and lost.pdf
* stock.pdf

# Email Sending:

We are needed to send an email when we add another Manager or Designer in our Industry or Outlet to tell them that they are employed and we will tell their compensation and We are additionally need to send email when we terminate them from work so they become more acquainted with that they are not piece of our work any longer.

Example Email:-

Subject: Your interview with E-Boutique Director, for the Outlet Manager position,

Hi Ali,

Much obliged to you for talking with us about the accessible outlet manager position. We are eager to offer you the position. Your advertising experience and devotion to local area administration will make an extraordinary expansion to our group.

We might want to offer you a beginning compensation of 50,000 Rs each month. Like we talked about in your meeting, we will plan your start date for February 1

Talk soon,

Mahnoor Shad

E-Boutique Director

Phone: 565-555-1234

Email: eboutique@gmail.com

# Project Plan

This section should include the implementation plan and work division among the members. All the estimated dates should be before June 15, 2021

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Id** | **Use Case Name** | **Member Name** | **Estimated Completion Date** |
| U01 | main page | Mahnoor Shad | 5/24/2021 |
| U02 | administrator | Fatima Mujahid | 5/24/2021 |
| U03 | login | Mahnoor Shad | 5/24/2021 |
| U04 | workers(option) | Fatima Mujahid | 5/25/2021 |
| U05 | workers(edit) | Mahnoor Shad | 5/25/2021 |
| U06 | workers(view) | Fatima Mujahid | 5/25/2021 |
| U07 | workers(delete) | Mahnoor Shad | 5/26/2021 |
| U08 | workers(exit) | Fatima Mujahid | 5/26/2021 |
| U09 | worker(search) | Mahnoor Shad | 5/26/2021 |
| U10 | worker(add) | Fatima Mujahid | 5/26/2021 |
| U11 | worker | Mahnoor Shad | 5/27/2021 |
| U12 | manager add | Fatima Mujahid | 5/27/2021 |
| U13 | manager search | Mahnoor Shad | 5/27/2021 |
| U14 | manager edit | Fatima Mujahid | 5/28/2021 |
| U15 | manager view | Mahnoor Shad | 5/28/2021 |
| U16 | manager delete | Fatima Mujahid | 5/28/2021 |
| U17 | manager exit | Mahnoor Shad | 5/29/2021 |
| U18 | designer options | Fatima Mujahid | 5/29/2021 |
| U19 | designer add | Mahnoor Shad | 5/29/2021 |
| U20 | designer edit | Fatima Mujahid | 5/30/2021 |
| U21 | designer view | Mahnoor Shad | 5/30/2021 |
| U22 | designer delete | Fatima Mujahid | 5/30/2021 |
| U23 | designer search | Mahnoor Shad | 5/31/2021 |
| U24 | designer exit | Fatima Mujahid | 5/31/2021 |
| U25 | salary options | Mahnoor Shad | 5/31/2021 |
| U26 | salary increment | Fatima Mujahid | 5/31/2021 |
| U27 | salary exit | Mahnoor Shad | 6/01/2021 |
| U28 | report | Fatima Mujahid | 6/01/2021 |
| U29 | e-brand | Mahnoor Shad | 6/01/2021 |
| U30 | industry options | Fatima Mujahid | 6/02/2021 |
| U31 | clothing manager login | Mahnoor Shad | 6/02/2021 |
| U32 | clothing manager options | Fatima Mujahid | 6/02/2021 |
| U33 | clothing manager add | Mahnoor Shad | 6/03/2021 |
| U34 | clothing manager view | Fatima Mujahid | 6/03/2021 |
| U35 | clothing manager exit | Mahnoor Shad | 6/03/2021 |
| U36 | designer login | Fatima Mujahid | 6/04/2021 |
| U37 | designer options | Mahnoor Shad | 6/04/2021 |
| U38 | designer received cloth | Fatima Mujahid | 6/04/2021 |
| U39 | designer request | Mahnoor Shad | 6/05/2021 |
| U40 | designer view | Fatima Mujahid | 6/05/2021 |
| U41 | designer exit | Mahnoor Shad | 6/05/2021 |
| U42 | delivered cloth | Fatima Mujahid | 6/06/2021 |
| U43 | designer send | Mahnoor Shad | 6/06/2021 |
| U44 | designer view | Fatima Mujahid | 6/06/2021 |
| U45 | designer exit | Mahnoor Shad | 6/07/2021 |
| U46 | stock manager | Fatima Mujahid | 6/07/2021 |
| U47 | stock manager exit | Mahnoor Shad | 6/07/2021 |
| U48 | stock manager options | Fatima Mujahid | 6/08/2021 |
| U49 | dress details | Mahnoor Shad | 6/08/2021 |
| U50 | stock manager deliver | Fatima Mujahid | 6/08/2021 |
| U51 | stock manager view | Mahnoor Shad | 6/09/2021 |
| U52 | stock manager exit | Fatima Mujahid | 6/09/2021 |
| U53 | stock details | Mahnoor Shad | 6/09/2021 |
| U54 | stock manager view | Fatima Mujahid | 6/10/2021 |
| U55 | stock manager exit | Mahnoor Shad | 6/10/2021 |
| U56 | main page | Fatima Mujahid | 6/10/2021 |
| U57 | outlet | Mahnoor Shad | 6/10/2021 |
| U58 | manager login | Fatima Mujahid | 6/11/2021 |
| U59 | manager exit | Mahnoor Shad | 6/11/2021 |
| U60 | manager options | Fatima Mujahid | 6/11/2021 |
| U61 | manager display | Mahnoor Shad | 6/11/2021 |
| U62 | manager view | Fatima Mujahid | 6/12/2021 |
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| U64 | cashier login | Fatima Mujahid | 6/12/2021 |
| U65 | cashier exit | Mahnoor Shad | 6/13/2021 |
| U66 | cashier options | Fatima Mujahid | 6/13/2021 |
| U67 | cashier add | Mahnoor Shad | 6/13/2021 |
| U68 | cashier view | Fatima Mujahid | 6/14/2021 |
| U69 | cashier exit | Mahnoor Shad | 6/14/2021 |
| U70 | generate bill | Fatima Mujahid | 6/15/2021 |