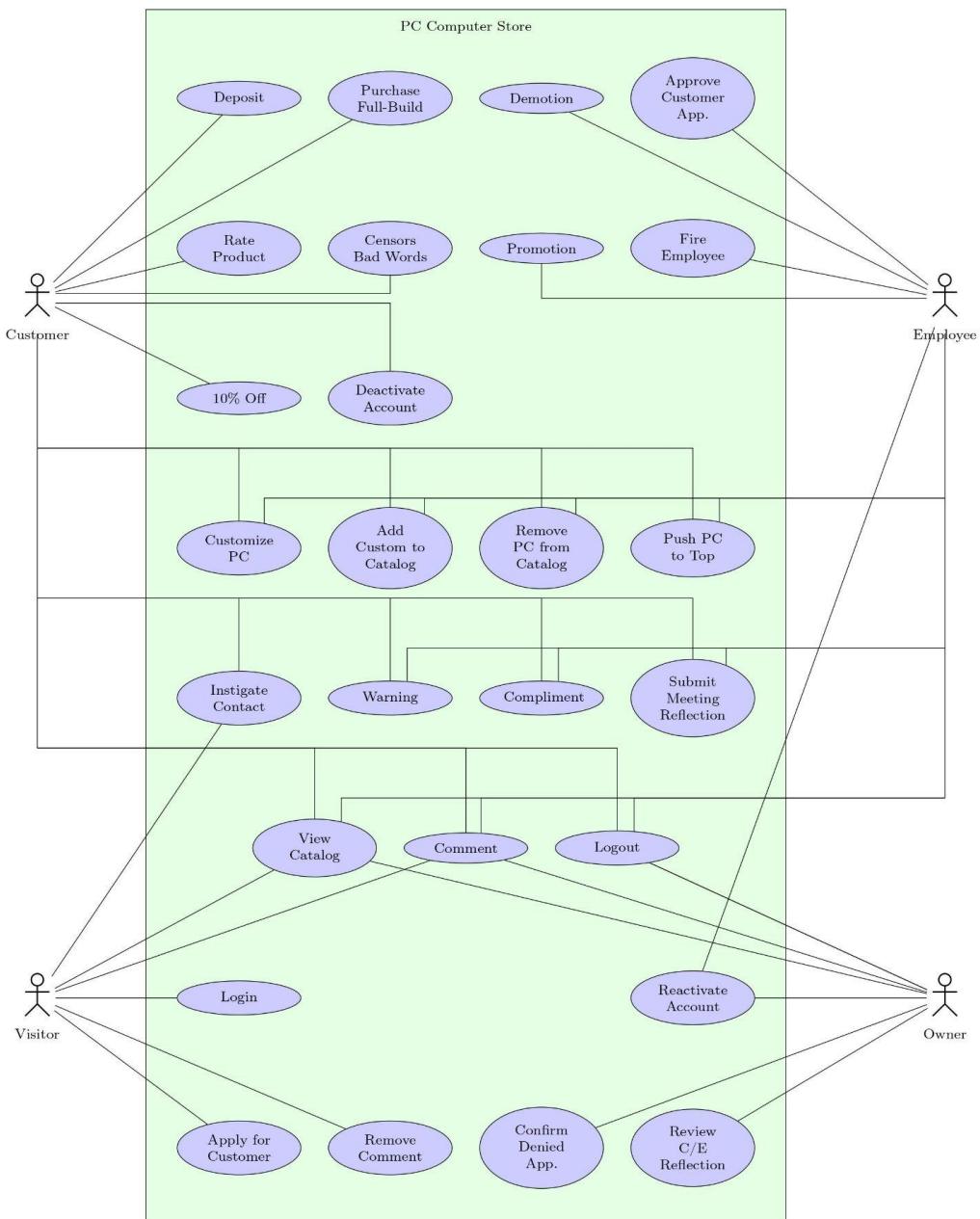


PART 1: OVERVIEW

PART 2: USE CASE DESCRIPTIONS:



USERS:

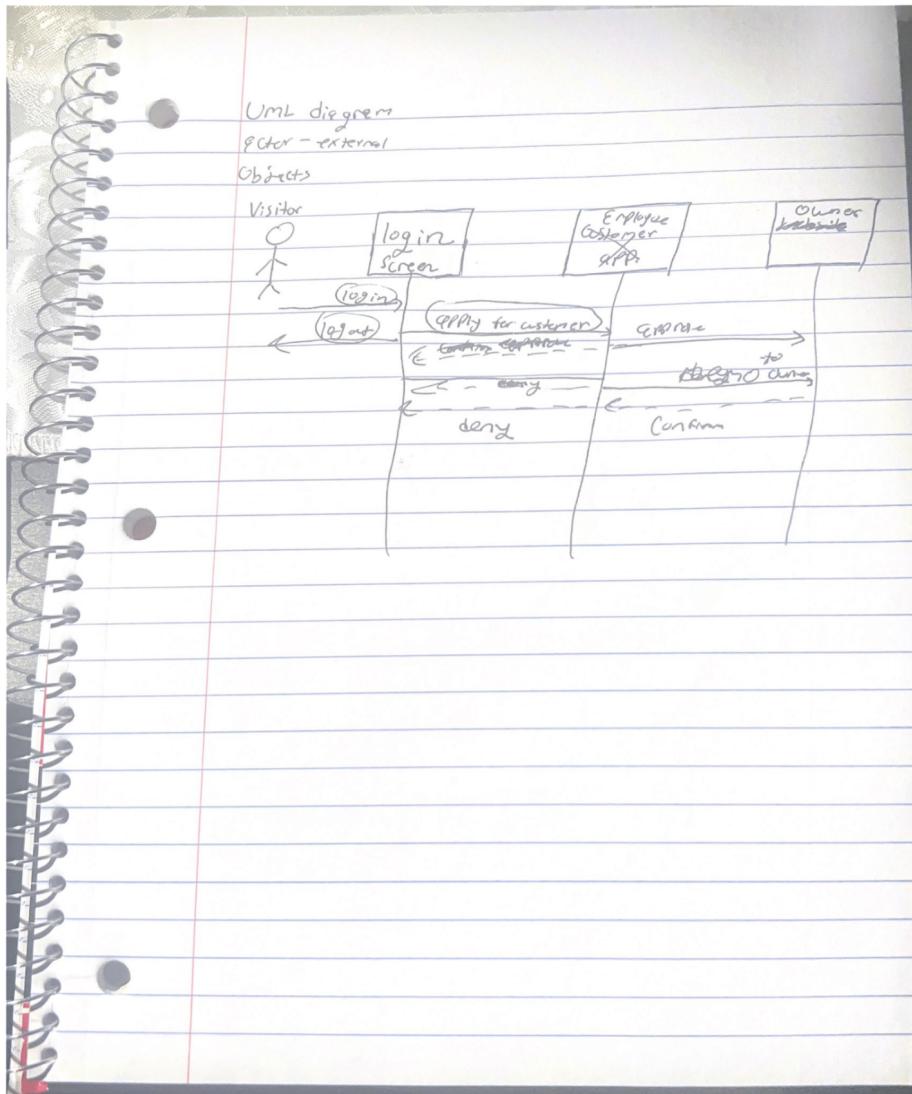
Visitor: By default, the system considers all users as a visitor. Can view the catalog and comment.

Customer: Users that have an account in order to purchase PC from store

Employee: Users who create custom-built PCs to upload to the catalog, as well as answer customer inquiries.

Owner: User who moderates the store.

USE-CASE: (From elementary to hyper specific) [e.g. first listed “log-in -> log-out”]
[Explain scenario aka context “what needs to be going on for this use-case. and group cases that play onto each other.]



Login: Only visitors can login to their account of a different user type. All other users must first logout, thus returning as a visitor user.

Logout: Customers can logout of their account. Will return to the home page as a visitor user. [Scenario: Must first log in before you can log out]

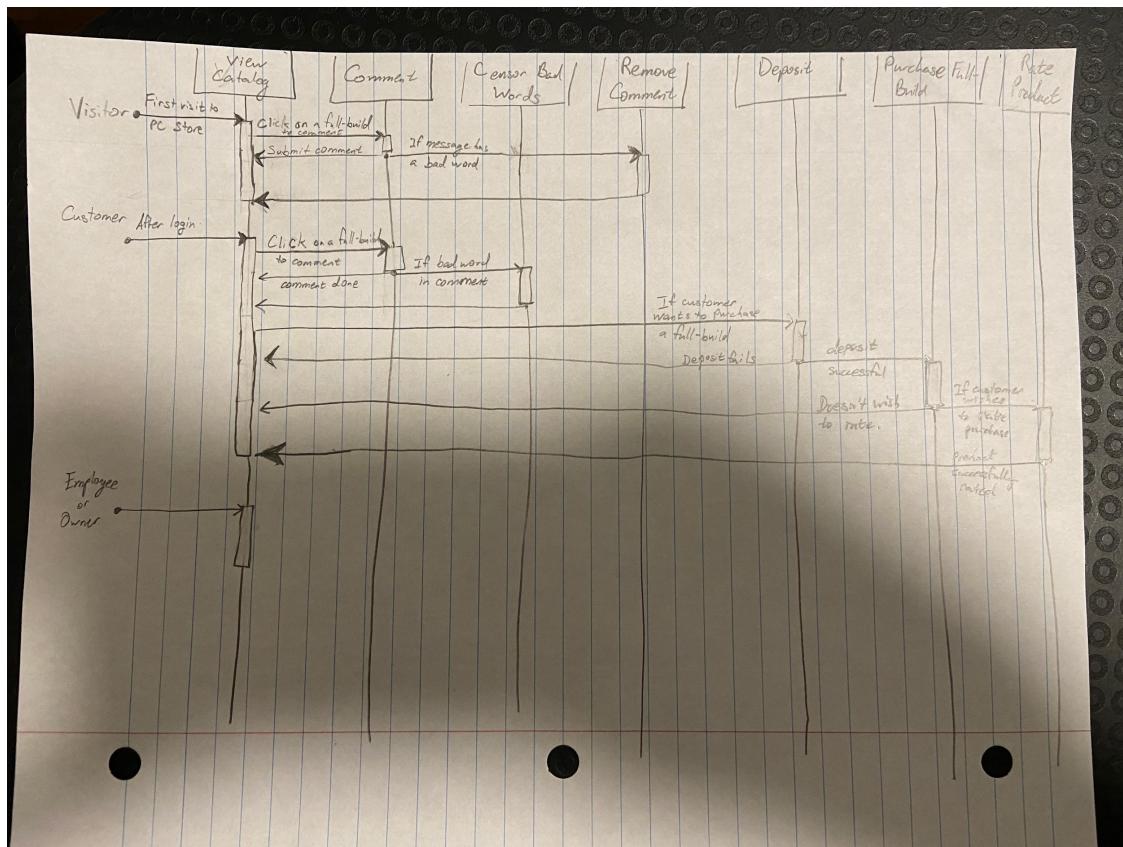
Scenario: When initially visiting the website, the user is not logged into their account. They can click on a button on the navigation bar to then input their username and password for their account. This is the **Login** use-case. Once logged into their respective user type, they can log out to be considered a visitor user by the system. This is the **Logout** use-case.

Apply for Customer: Visitors without a customer account can fill out a form to apply for a customer account.

Approve Customer App.: If an employee believes an application for a new customer account is within reason, they can approve the new account to be enrolled into the system. If the application is denied by the employee, a memo is filled out and sent to an owner user. This leads to the use-case “Confirm Denied App.”.

Confirm Denied App.: After reading the justification in regards to denying a customer application, the Owner user can justify/veto this action.

Scenario: Visitors can apply to be a customer for the site. This is the **Apply for Customer** use-case. Once the application is completed and sent, the Employee has to decide whether the visitor could be a valid customer and be approved or deciding the visitor shouldn't be a customer. This is the **Approve Customer App.** use-case. If the employee decides to deny the application, they would have to justify why and when the Owner reads, the justification could be justified or vetoed. This is the **Confirm Denied App.** use-case.



View Catalog: See all full-build PC's, and their respective price and rating, in the system. Clicking on an item will elaborate on PC specs and associated comments.

Comment: All users are able to post a comment, 280 character limit, regarding an item in the catalog.

Censor Bad Words: System censors words in a comment found on a predetermined list of swears.

Remove Comment: System removes Visitor comment with curse words

Scenario: Customers can view the catalog filled with the full-build PC's. This is the **View Catalog** use-case. For each item of the catalog, customers are able to comment, having a 280 character limit. This is the **Comment** use-case. If the customer types out a bad word, the system automatically sensors the words from a predetermined list. This is the **Censor Bad Words** use-case. After censoring the words, the system can remove the comment entirely. This is the **Remove Comment** use-case.

Deposit: Customers can put funds into their account

Purchase Full-Build: Customers can Purchase Full-Build

Rate Product: After purchase of product, it can be rated from 1 - 5 stars.

Scenario: Customers can add funds into their account for buying PCs. This is the **Deposit** use-case. Once funds are added and Customers have found a PC to their liking, they can purchase the Full-Build PC. This is the **Purchase Full-Build** use-case.

Customize PC: Customers are able to fully customize their PC

Add Custom to Catalog: Customer is prompted if they can upload their custom build to catalog

Scenario: Customers can customize a PC to their liking. This is the **Customize PC** use-case. Once finished customizing their PC, the Customer is then prompted if they want to upload their custom build to the catalog. This is the **Add Custom to Catalog** use-case.

Remove PC from Catalog: If a full-build PC has three 1-stars, and zero 5-stars, the system removes PC from catalog.

Push PC to Top: If a full-build PC has three 5-stars, and zero 1 stars, it will be pushed to the top of the catalog order, and the associated customer/employee account will receive a compliment.

Compliment: System metric to reward positive actions.

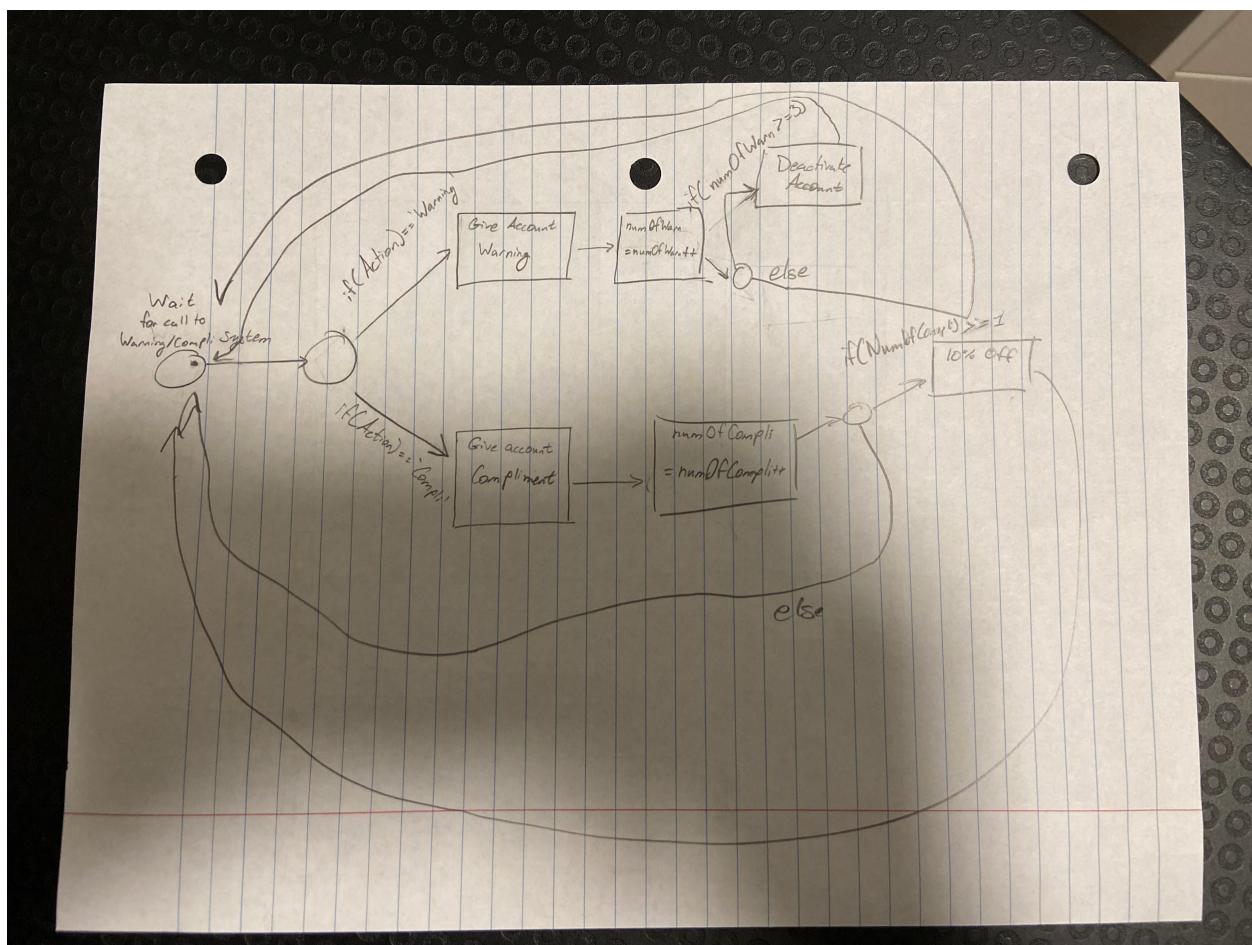
10% Off: If a customer gets three compliments, they will receive 10% off their next purchase.

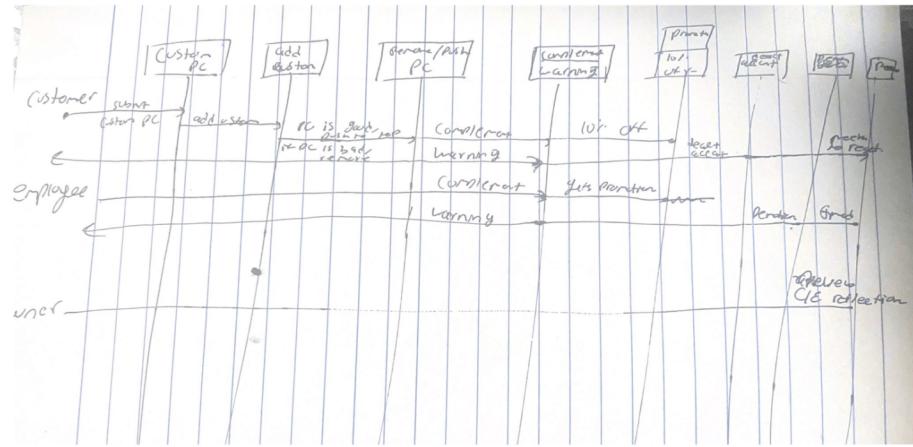
Promotion: If an Employee receives 3 compliments, they receive a promotion.

Scenario: Based on the 1 to 5 star system, if a PC has three 1-star ratings whilst having zero 5-star ratings, the PC gets removed from the catalog. This is the **Remove PC from Catalog** use-case. Conversely, if the PC has three 5-star ratings and zero 1-star ratings, it'll be pushed to top of the catalog and the associated customer/employee account gets a compliment. This is the **Push PC to Top** use-case. The **Compliment** use-case details

that the compliment system is used to reward customers for positive actions. If a customer gets three compliments, they'll receive 10% off their next purchase. This is the **10% Off** use-case. In regards to Employees, once they receive three compliments, they receive a promotion. This is the **Promotion** use-case.

Petri-Net Diagram:





Warning: System metric to punish negative actions.

Deactivate Account: If a customer receives three warnings, their account is deactivated.
Must reach out to an employee to get it reactivated again.

Instigate Contact: The act of a customer reaching out to an employee, whether it's to reactivate their account or to ask an inquiry.

Reactivate Customer Account: Once a customer with a deactivated account reaches out to an employee, and the employee believes the deactivation is unjustified, the employee

can reactivate a customer's account and set the account's associated warning count accordingly.

Demotion: If an Employee receives 3 warnings, they receive a demotion

Fire Employee: If an Employee receives 2 demotions, they are fired.

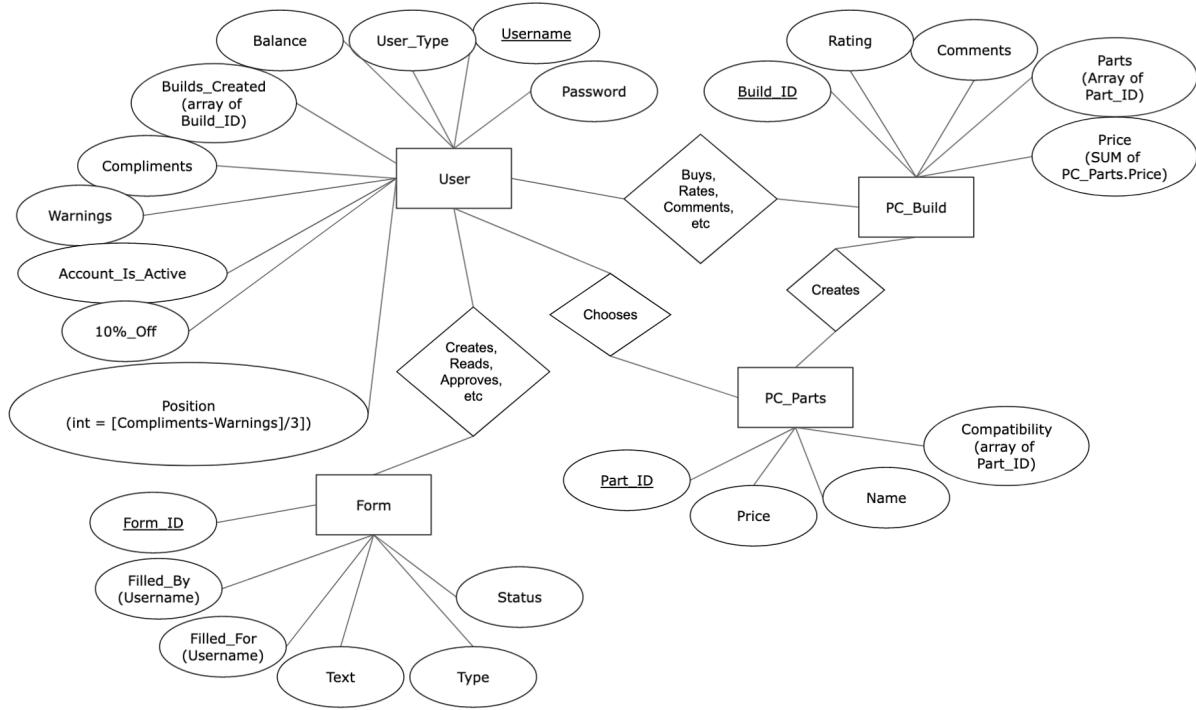
Scenario: Contrary to **Compliment**, the **Warning** system is used to punish negative actions. In the case of Customers, if they get three warnings, their account gets deactivated. This is the **Deactivate Account** use-case. In order to get their account back, the Customer must contact the Employee. This is the **Instigate Contact** use-case. Once the Employee receives the message and believes the deactivation was unjustified they can reactivate the Customer account. This is the **Reactivate Customer Account**. In the case of Employees, if they receive three warnings, they'll receive a demotion. This is the **Demotion** use-case. If the Employee in question gets 2 demotions, they're fired. This is the **Fire Employee** use-case.

Submit Meeting Reflection: After a E/C meeting, both the employee and customer can send a reflection to an owner regarding the other party.

Review C/E Reflection: Owner user approving/vetoing a suggested compliment or warning directed to another user type

Scenario: In the case of an E/C meeting, both the employee and customer can send a reflection to the owner. This is the **Submit Meeting Reflection** use-case. When the owner receives the reflection, they can either approve/veto a suggested compliment or warning. This is the **Review C/E Reflection**.

PART 3: E/R Diagram



PART 5: GUI

GUI

<p><u>HomePage</u> <u>Visitor</u></p> <table border="1"> <tr> <td>Politziya</td><td>Login</td></tr> <tr> <td>[CPU GPU RAM PSU Mobo case str]</td><td></td></tr> <tr> <td>Would you like to sign up?</td><td></td></tr> </table>	Politziya	Login	[CPU GPU RAM PSU Mobo case str]		Would you like to sign up?		<p><u>HomePage</u> <u>Customer</u></p> <table border="1"> <tr> <td>Politziya</td><td>A</td></tr> <tr> <td>[CPU GPU RAM PSU Mobo case source]</td><td></td></tr> <tr> <td>Pc Part Picker</td><td>Pre Built</td></tr> <tr> <td>Ask employee</td><td></td></tr> </table>	Politziya	A	[CPU GPU RAM PSU Mobo case source]		Pc Part Picker	Pre Built	Ask employee													
Politziya	Login																										
[CPU GPU RAM PSU Mobo case str]																											
Would you like to sign up?																											
Politziya	A																										
[CPU GPU RAM PSU Mobo case source]																											
Pc Part Picker	Pre Built																										
Ask employee																											
<p><u>Login</u></p> <table border="1"> <tr> <td>Username or email.</td><td></td></tr> <tr> <td>Pass word</td><td></td></tr> <tr> <td>Login</td><td></td></tr> </table>	Username or email.		Pass word		Login		<p><u>Catalogs</u></p> <table border="1"> <tr> <td>Latest</td><td>[CPU GPU RAM PSU RAM ID]</td></tr> <tr> <td>Budget</td><td>[RAM GPU PSU Mobo Storage RAM ... ID]</td></tr> <tr> <td>Best Rated</td><td>[CPU GPU PSU Storage MOBO ... ID]</td></tr> </table>	Latest	[CPU GPU RAM PSU RAM ID]	Budget	[RAM GPU PSU Mobo Storage RAM ... ID]	Best Rated	[CPU GPU PSU Storage MOBO ... ID]														
Username or email.																											
Pass word																											
Login																											
Latest	[CPU GPU RAM PSU RAM ID]																										
Budget	[RAM GPU PSU Mobo Storage RAM ... ID]																										
Best Rated	[CPU GPU PSU Storage MOBO ... ID]																										
<p><u>Item View</u></p> <table border="1"> <tr> <td>Intel i3 - 9100F</td><td></td></tr> <tr> <td>CPU</td><td></td></tr> <tr> <td>★★★★★</td><td></td></tr> <tr> <td>Specs: nnnn</td><td></td></tr> <tr> <td>Price: \$8</td><td></td></tr> <tr> <td>Comments: nnnn</td><td></td></tr> </table>	Intel i3 - 9100F		CPU		★★★★★		Specs: nnnn		Price: \$8		Comments: nnnn		<p><u>Custom PC Interface</u></p> <table border="1"> <tr> <td>You Selected: [✓]</td><td></td></tr> </table>	You Selected: [✓]		You Selected: [✓]		You Selected: [✓]		You Selected: [✓]		You Selected: [✓]					
Intel i3 - 9100F																											
CPU																											
★★★★★																											
Specs: nnnn																											
Price: \$8																											
Comments: nnnn																											
You Selected: [✓]																											
You Selected: [✓]																											
You Selected: [✓]																											
You Selected: [✓]																											
You Selected: [✓]																											
<p><u>Checkouts</u></p> <table border="1"> <tr> <td>AMD RX 6600</td><td>Delivery:</td></tr> <tr> <td>GPU</td><td>0m</td></tr> <tr> <td>0m</td><td>0m</td></tr> <tr> <td>Delivery Time:</td><td>Order Summary:</td></tr> <tr> <td>nnnn</td><td>Item: nnnn</td></tr> <tr> <td>nnnn</td><td>Tax: nnnn</td></tr> <tr> <td>Total: \$8</td><td></td></tr> </table>	AMD RX 6600	Delivery:	GPU	0m	0m	0m	Delivery Time:	Order Summary:	nnnn	Item: nnnn	nnnn	Tax: nnnn	Total: \$8		<p><u>Contact US</u></p> <table border="1"> <tr> <td>Do you need any help?</td><td></td></tr> <tr> <td>Telephone: nnnn</td><td></td></tr> <tr> <td>Email: nnnn</td><td></td></tr> <tr> <td>Live Customer Service Link!</td><td></td></tr> <tr> <td>https://nnnn</td><td></td></tr> <tr> <td>Please be patient, since others are on line</td><td></td></tr> </table>	Do you need any help?		Telephone: nnnn		Email: nnnn		Live Customer Service Link!		https://nnnn		Please be patient, since others are on line	
AMD RX 6600	Delivery:																										
GPU	0m																										
0m	0m																										
Delivery Time:	Order Summary:																										
nnnn	Item: nnnn																										
nnnn	Tax: nnnn																										
Total: \$8																											
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https://nnnn																											
Please be patient, since others are on line																											

Owner/Employee Inquire Forum

Support

TOPICS	8 ↗ Last Post
~ ~	1 0 2min
~ ~	2 5 10min
~ ~	4 16 1 hrs

PART 6: Github

<https://github.com/georgyccny/Chad-GoodPolitziyaTech>

PART 7: Teamwork memo

@everyone call in 5
we need to speed this

Dad started a call. Today at 11:08 PM

Dad Today at 11:10 PM
@everyone get on

Doffy Today at 10:23 PM

Polizzi Tech

Apple Windows CPU GPU RAM MoBo PSU Cases Storage

Mac Book Air \$ 1,509.00 Click here to see more

Surface Book 2-1 \$ 649.00 Click here to see more

Build your Own PC! Talk to our employees for additional help! Click here to get started!

New Products:

NVIDIA GeForce RTX 2080 AMD Radeon RX 5700 XTX Intel i9-11900K CPU ASRock X790 Extreme 4 GIGABYTE AORUS X790-G Gaming Corsair Vengeance 2x4 GB Samsung 980 Pro NVMe M.2 SSD 2TB

1

Here is the home page @Dad
i hope its good
i wonder what more can i do now

Ifthy Today at 10:29 PM
Oh Allah bro went above and beyond

Doffy Today at 10:47 PM

Sign Up

User Name

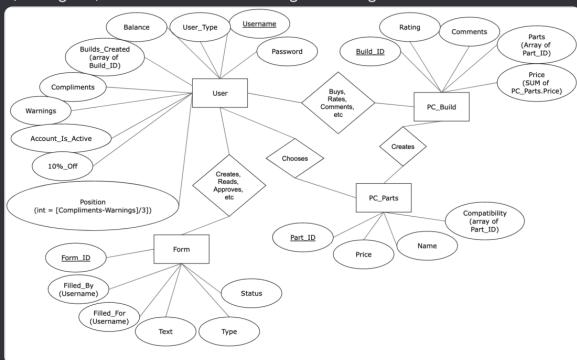
Password

Re-Type your Password



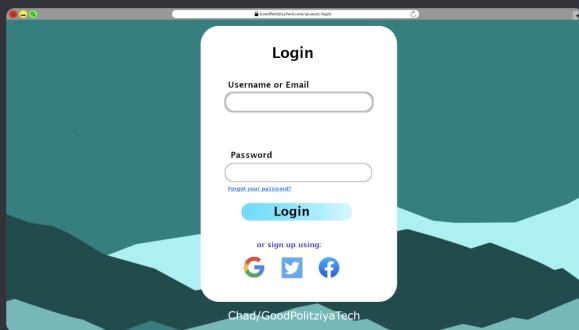
Goga Today at 5:20 PM

E/R Diagram, Let me know if I am missing something



Doffy Today at 6:02 PM

here is my completed GUI login



@Doffy hmm, i'll try to see what i can do lol

Dad Today at 2:29 PM

seriously, a box w scribble for text is all good. u j have to see relation arrows for progression



Doffy Today at 2:29 PM

i'll see what i will do lol

also, for the relation arrows, just look a tthe diagram you made, right>



Dad Today at 2:48 PM

not at all

relations like drawing an arrow from the "home" button on a page that points to the box of the home page gui
it j associates a url link to the box u draw



Doffy Today at 2:54 PM

ah

alrighty

also, when should w ecode



Dad Today at 2:58 PM

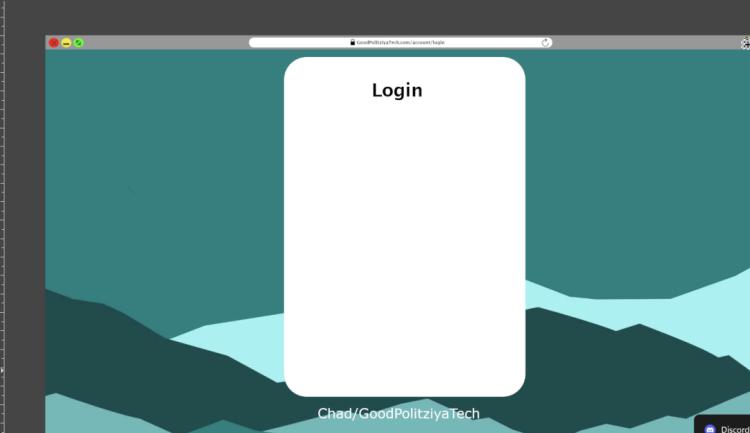
i'm glad u asked

 **Doffy** Today at 2:23 PM
yeah ik
i am doing it

 **Dad** Today at 2:23 PM
bet

 **Doffy** Today at 2:23 PM
just need to finish up the home page
 1
2:23 PM the login page i just need to add in the stuff

 **Dad** Today at 2:23 PM
bet
don't fret abt details

 **Doffy** Today at 2:23 PM

i can work like a demon

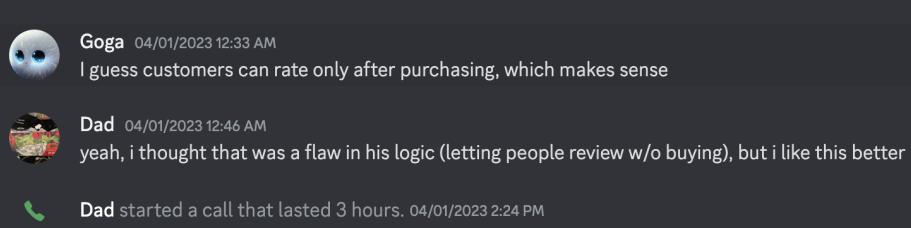
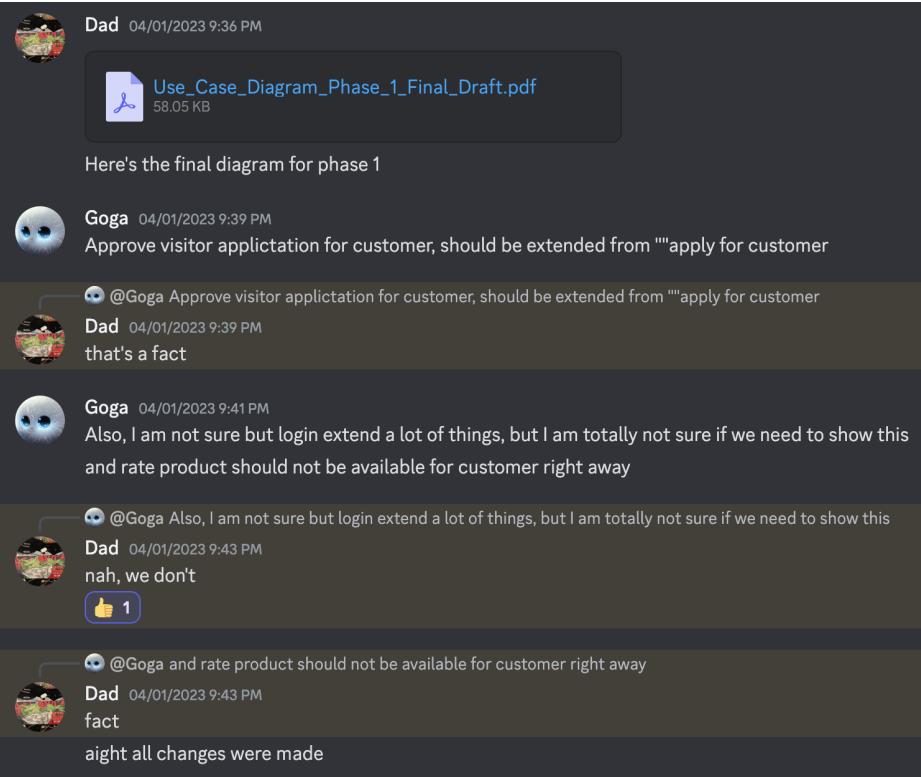
 **Ifthy** 04/23/2023 10:11 PM
https://docs.google.com/document/d/1diBqqZYGJ1lR9m0I0a7nuP_TYqK30bi277VM34CGlxU/edit?usp=sharing

April 23, 2023

Google Docs

Group R Project Phase 2

Chad/GoodPolitziyaTech The Web Store HTML, CSS, Python, MySQL For Version 1.0 Revision History Date Version Description Author 26/03/23 1.0 Phase 1 Georgy, Ifthehar, Imtiaz, Alex, Ra...



 **Goga** 04/01/2023 12:05 AM
also, 10% off should be an extend from compliment, not from push pc
 1
"n employee with 3 compliments will receive a promotion; a customer with 3 compliments will receive a 10% discount on the next purchase."

 **Dad** 04/01/2023 12:09 AM
Also, "if a customer tries purchasing a PC with insufficient funds, then they get a warning"
 1
completely forgot about that case

 **Goga** 04/01/2023 12:26 AM
Also, rate product should extend add custom to catalog or even from view catalog
 @Goga Also, rate product should extend add custom to catalog
Dad 04/01/2023 12:31 AM
i figured to not since only customers and inherited classes can rate products

 @Goga Also, rate product should extend add custom to catalog
Dad 04/01/2023 12:31 AM
extending 'add custom to catalog' implies the customer must add a custom build to rate other products

 @Goga or even from view catalog
Dad 04/01/2023 12:32 AM
and visitors can view the catalog, but not rate them
since they can only comment

 **Goga** 04/01/2023 12:33 AM
"Aftermaking a successful purchase, the customer can rate the (1 worst, 5 best) configuration"
 1

 **Goga** 04/01/2023 12:05 AM
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extending 'add custom to catalog' implies the customer must add a custom build to rate other products

 @Goga or even from view catalog
Dad 04/01/2023 12:32 AM
and visitors can view the catalog, but not rate them
since they can only comment

 @Goga Seems super good, great job @Dad and @fifthy
Dad 04/01/2023 12:03 AM
oh, but u should def go through it and see what we're missing
i keep finding small errors so like, i wouldn't doubt if there's some quick fixes or a case I missed

 **Goga** 04/01/2023 12:03 AM
One thing, when the new account is not approved, employee should send a memo to owner, so should there be a connection?
"A store employee will process the application: either approve or reject, a reject decision should have a memo for the store owner to check in case the rejected applicant protests"
1 like, 1 checkmark

 **feelslikesummer** 03/30/2023 9:34 PM
Alright do we have any design idea. I can use python but need to understand what we need to get done. Like maybe a design or some clue as to how to get started?

 **Dad** 03/30/2023 9:35 PM
do u know how to use python to access information in a database?

 **feelslikesummer** 03/30/2023 9:36 PM
Yes sure I have done it before.

 **Dad** 03/30/2023 9:52 PM
bet, u're gonna most likely be in charge of python changing frontend elements from info u pull from the backend

 **Dad** 03/27/2023 11:48 PM
https://sceweb.uhcl.edu/helm/RationalUnifiedProcess/process/reports/re_ucmsv.htm#Top
what we want to answer with phase 1 report:
1) What are the classes in this system
2) What permissions do they have?
3) What are extended to each class?
4) What are the constraints on each class?
5) What data will be stored for each class?
6) How do the classes interact with each other?
This will be detailed in the use case diagram, which is explained how to be drawn in the url sent above :D

March 28, 2023

 **Doffy** 03/28/2023 7:41 PM
so we gotta make some diagrams for question 2.1

 **Dad** 03/28/2023 7:57 PM
@everyone i j got home so imma finish up the report

 **Dad** started a call that lasted 5 hours. 03/28/2023 9:06 PM

 Dad started a call that lasted 2 hours. 03/27/2023 10:42 PM

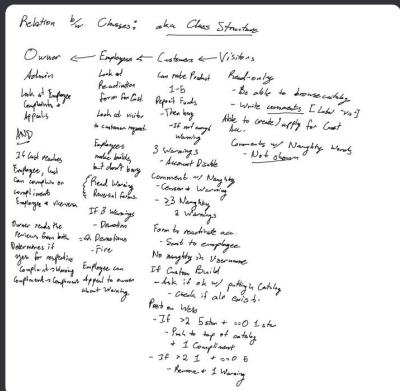
Dad 03/27/2023 10:52 PM
<https://docs.google.com/document/d/1qOgeDO9kO3foGam2Kg3LPYs3Cbbx0isAEMlpaf4NIkU/edit?usp=sharing>

Google Docs

Group R Project Phase 1

The R Group The Web Store HTML, CSS, Python, MySQL For Version 1.0 [Note: The following template is provided for use with the Rational Unified Process. Text enclosed in square brackets and displayed in blue italics (style=InfoBlue) is included to prov...

Dad 03/27/2023 11:25 PM



```
classDiagram
    class Employee {
        -name
        -id
        -role
        -password
        +getEmployee()
        +setEmployee()
        +login()
        +logout()
        +checkRole()
        +checkPassword()
        +checkEmployee()
        +checkLogout()
        +checkCheckRole()
        +checkCheckPassword()
        +checkGetEmployee()
        +checkSetEmployee()
    }
    class Customer {
        -name
        -id
        -role
        -password
        +getCustomer()
        +setCustomer()
        +login()
        +logout()
        +checkRole()
        +checkPassword()
        +checkCustomer()
        +checkLogout()
        +checkCheckRole()
        +checkCheckPassword()
        +checkGetCustomer()
        +checkSetCustomer()
    }
    class Visitor {
        -name
        -id
        -role
        -password
        +getVisitor()
        +setVisitor()
        +login()
        +logout()
        +checkRole()
        +checkPassword()
        +checkVisitor()
        +checkLogout()
        +checkCheckRole()
        +checkCheckPassword()
        +checkGetVisitor()
        +checkSetVisitor()
    }
    Employee <|-- Customer
    Employee <|-- Visitor
    Customer <|-- Visitor
    Employee --> Customer : login()
    Employee --> Visitor : login()
    Customer --> Visitor : login()
    Employee --> Customer : logout()
    Employee --> Visitor : logout()
    Customer --> Visitor : logout()
    Employee --> Customer : checkRole()
    Employee --> Visitor : checkRole()
    Customer --> Visitor : checkRole()
    Employee --> Customer : checkPassword()
    Employee --> Visitor : checkPassword()
    Customer --> Visitor : checkPassword()
    Employee --> Customer : checkEmployee()
    Employee --> Visitor : checkEmployee()
    Customer --> Visitor : checkEmployee()
    Employee --> Customer : checkLogout()
    Employee --> Visitor : checkLogout()
    Customer --> Visitor : checkLogout()
    Employee --> Customer : checkCheckRole()
    Employee --> Visitor : checkCheckRole()
    Customer --> Visitor : checkCheckRole()
    Employee --> Customer : checkCheckPassword()
    Employee --> Visitor : checkCheckPassword()
    Customer --> Visitor : checkCheckPassword()
    Employee --> Customer : checkGetEmployee()
    Employee --> Visitor : checkGetEmployee()
    Customer --> Visitor : checkGetEmployee()
    Employee --> Customer : checkSetEmployee()
    Employee --> Visitor : checkSetEmployee()
    Customer --> Visitor : checkSetEmployee()
```

 Doffy 03/26/2023 5:16 PM
@Dad and @Ifthy , what is our software requirement specification

 Ifthy 03/26/2023 5:18 PM
Idk what system did we develop yet?

Or how would you describe the system we are developing

5:19 PM We could just say a database system

 Doffy 03/26/2023 5:35 PM
well

it is a ltt store type website

 Ifthy 03/26/2023 5:35 PM
We could say that