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Unit Testing

See code

Derived Equivalence

T= Correct Credentials

F= Wrong Credentials

Derived Equivalence Classes For Login

1. Email are correct(valid)
2. Password are correct (valid)
3. Email is less than 5 characters long (invalid)
4. Email syntax is incorrect (invalid)
5. Password is incorrect(invalid)
6. Email is incorrect(invalid)

#	Test Data	Expected Outcome	Classes Covered
1	ola@gmail.com,pass	T	1,2
2	Gmai,pass	F	2,3,4,6
3	ola@gmail.com,wrongpassword	F	1,5
4	Testnot@gmail.com,pass	F	6,2

Derived Equivalence Classes For Register

1. Email Syntax is correct (valid)
2. Email syntax is incorrect(invalid)
3. Password too short(invalid)
4. Password syntax is correct(valid)

#	Test Data	Expected Outcome	Classes Covered
1	ola@gmail.com,pass	T	1,4
2	Gmai,pass	F	2,4

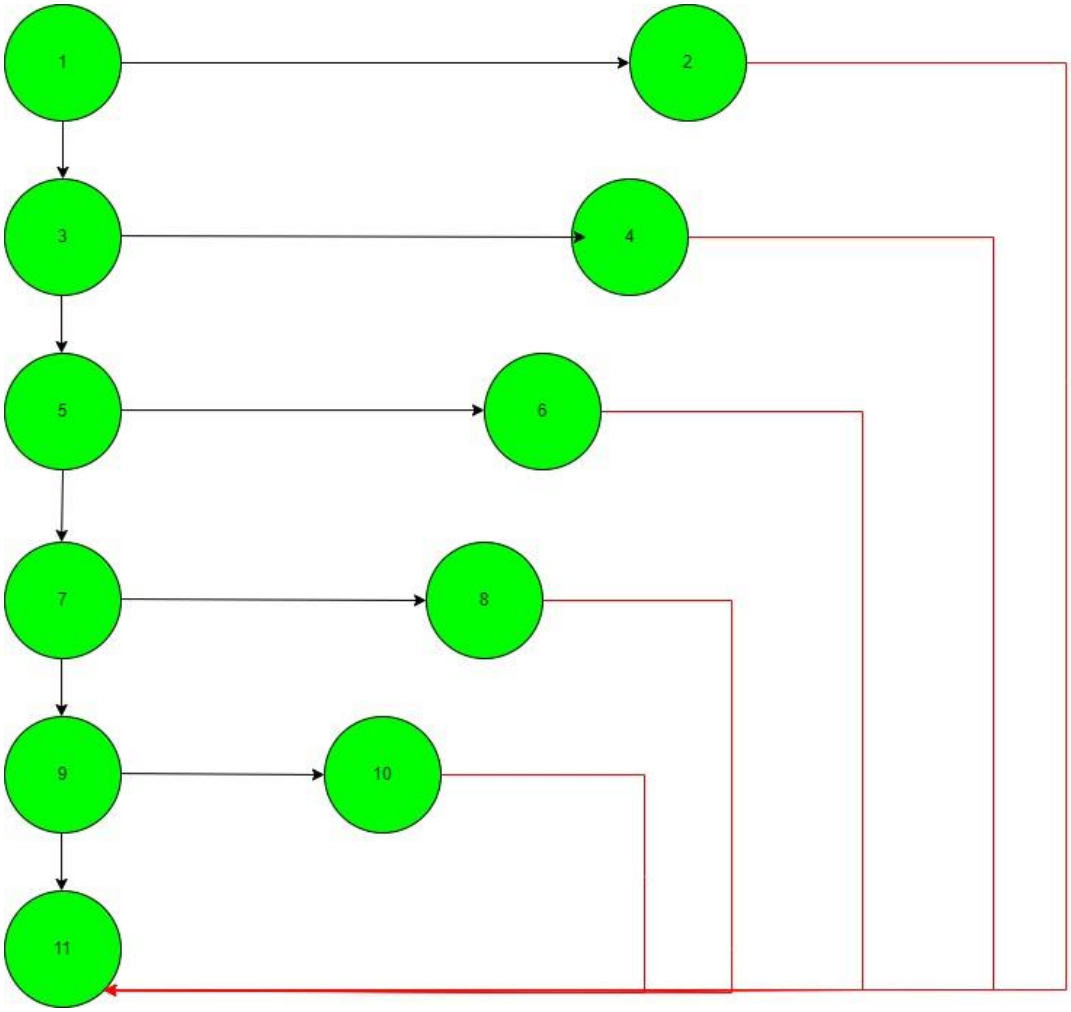
Basis Path

```
        public function calDiscount(String $rarityType):string
        {
-1-             if ($rarityType == 'COMMON')
                    {
```

```
-2-                 $this->setDiscount(0.01);
                    }
-3-                 elseif($rarityType ==  'UNCOMMON')
                {
-4-                  $this->setDiscount(0.10);
                }
-5-                 elseif($rarityType ==  'VERY')
                    {
-6-                  $this->setDiscount(0.5);
                    }
-7-                 elseif($rarityType ==  'ULTRA')
                    {
-8-                      $this->setDiscount(0.75);
                    }
-9-                 else
                    {
 -10-                   $this->setDiscount(0);
                    }

 -11-               Return $rarityType;
   }
```

FLowgraph:



Paths:

Path1: 1-2-11

Path2: 1-3-4-11

Path3: 1-3-5-6-11

Path4: 1-3-5-7-8-11

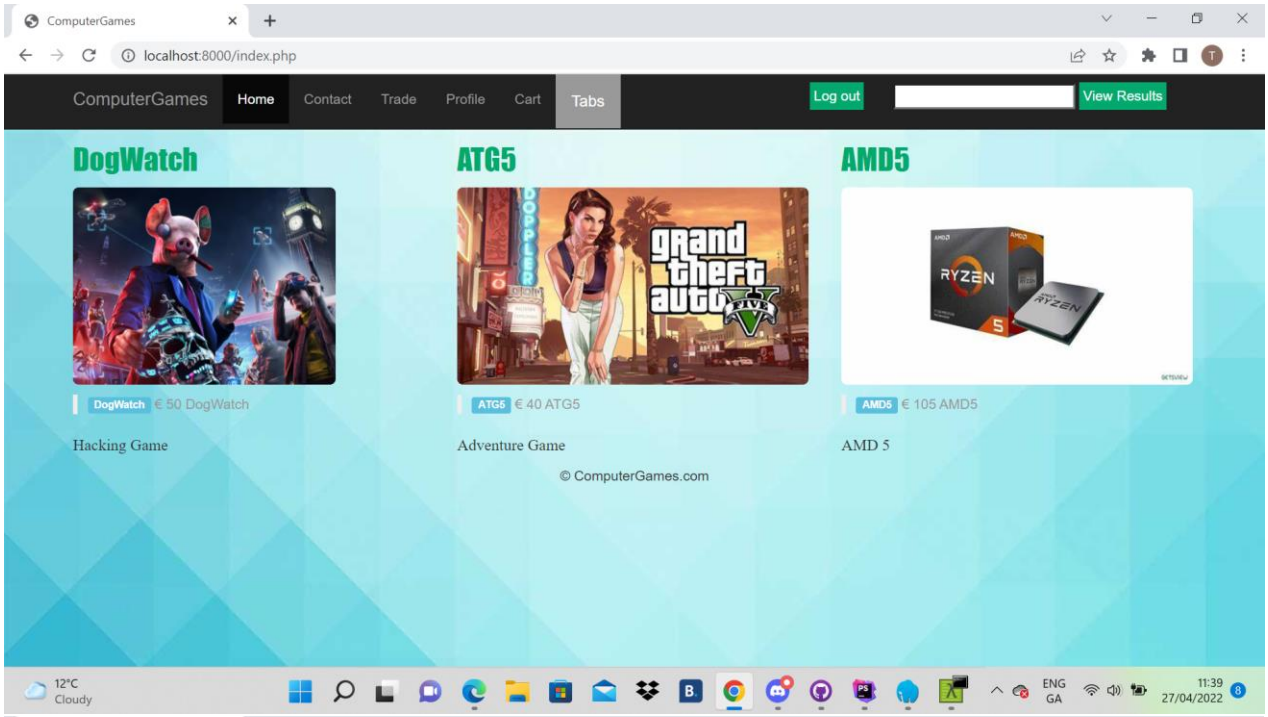
Path5: 1-3-5-7-9-10-11

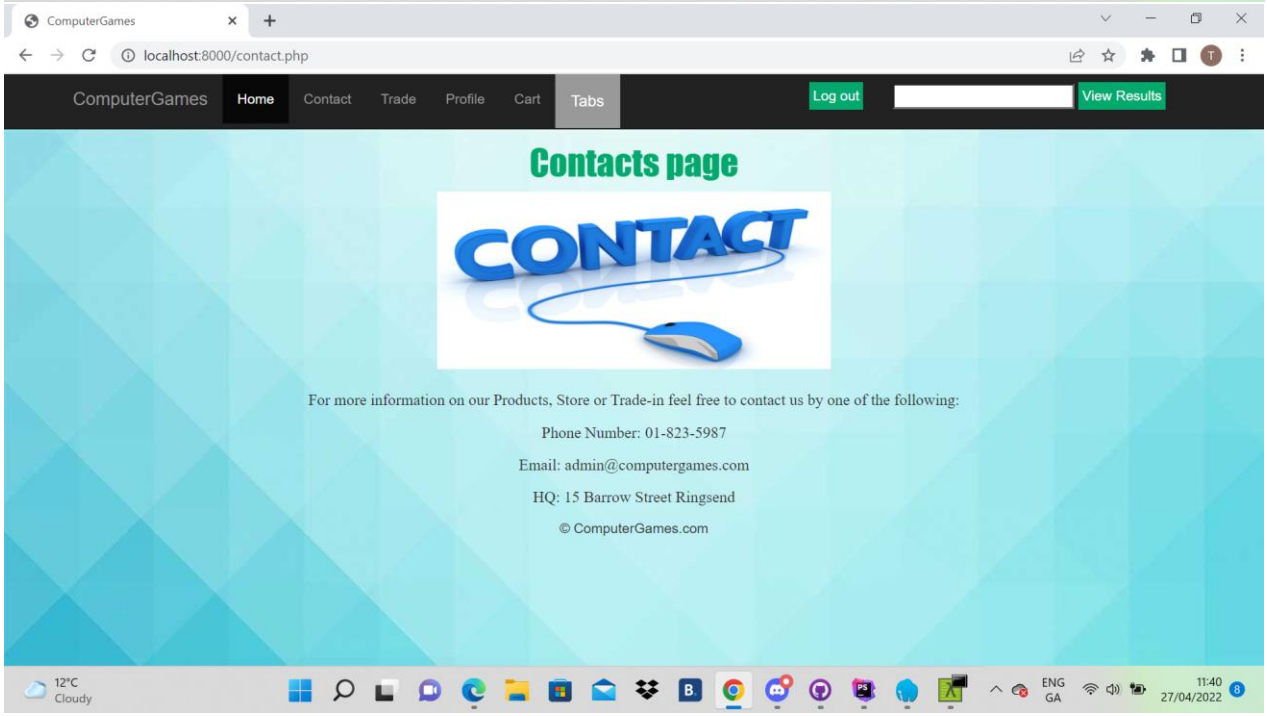
#	Test Data	Expected Outcome	Path
1	Common	0.01	1
2	Uncommon	0.10	2
3	Very	0.50	3
4	Ultra	0.75	4
5	No discount	0.00	5

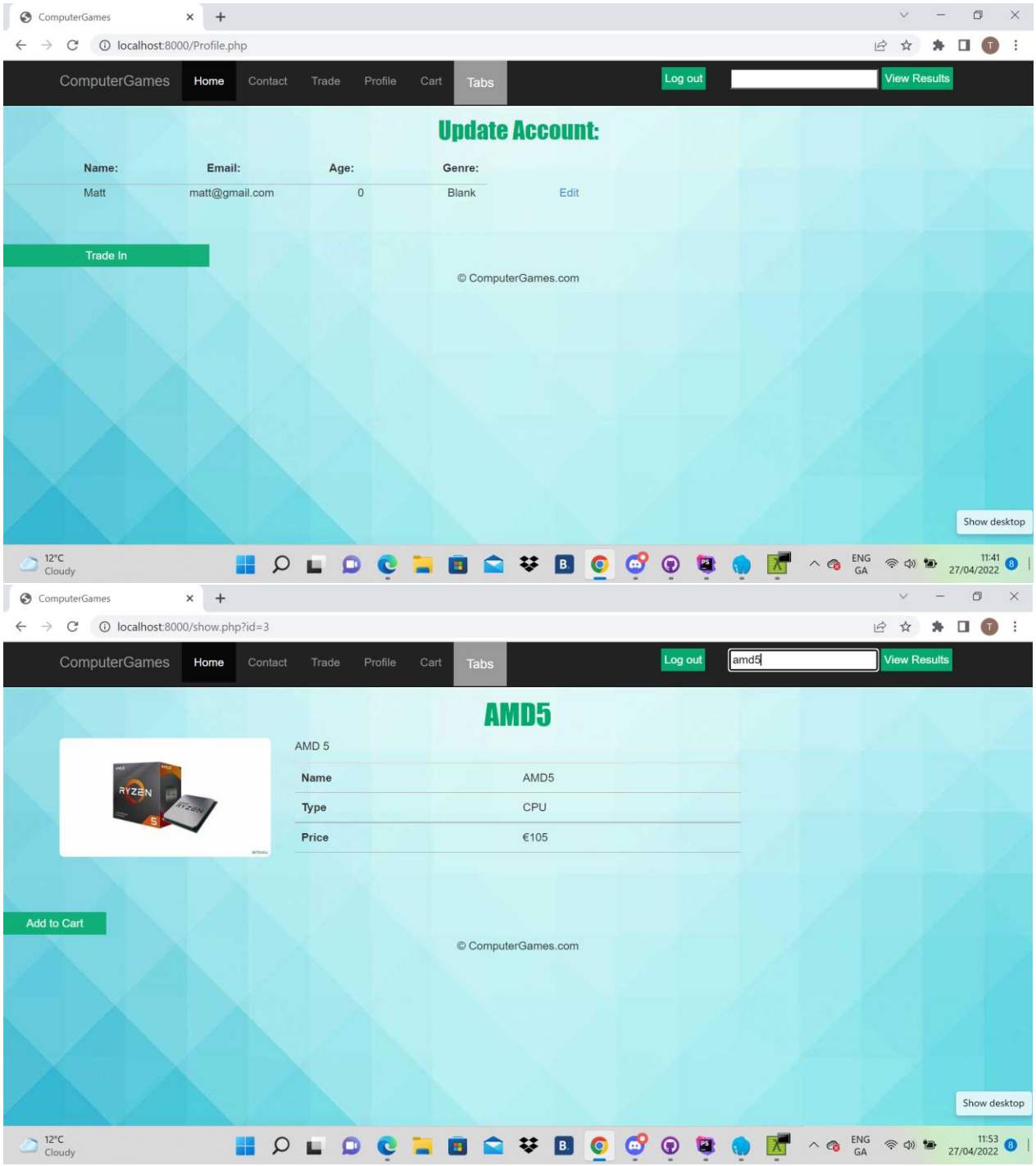
UI Testing

Feedback:

Feedback is evident in the project as everything is just one click away. All the pages are linked at the top of each page in the header to direct users to any page they want to visit, and it also gives users the option to redirect back to previous pages they have just visited. The header is visible at the top of each image shown below. If a user wishes to view a specific product, they can also type into the search bar and with one click it will direct them to the specific product.

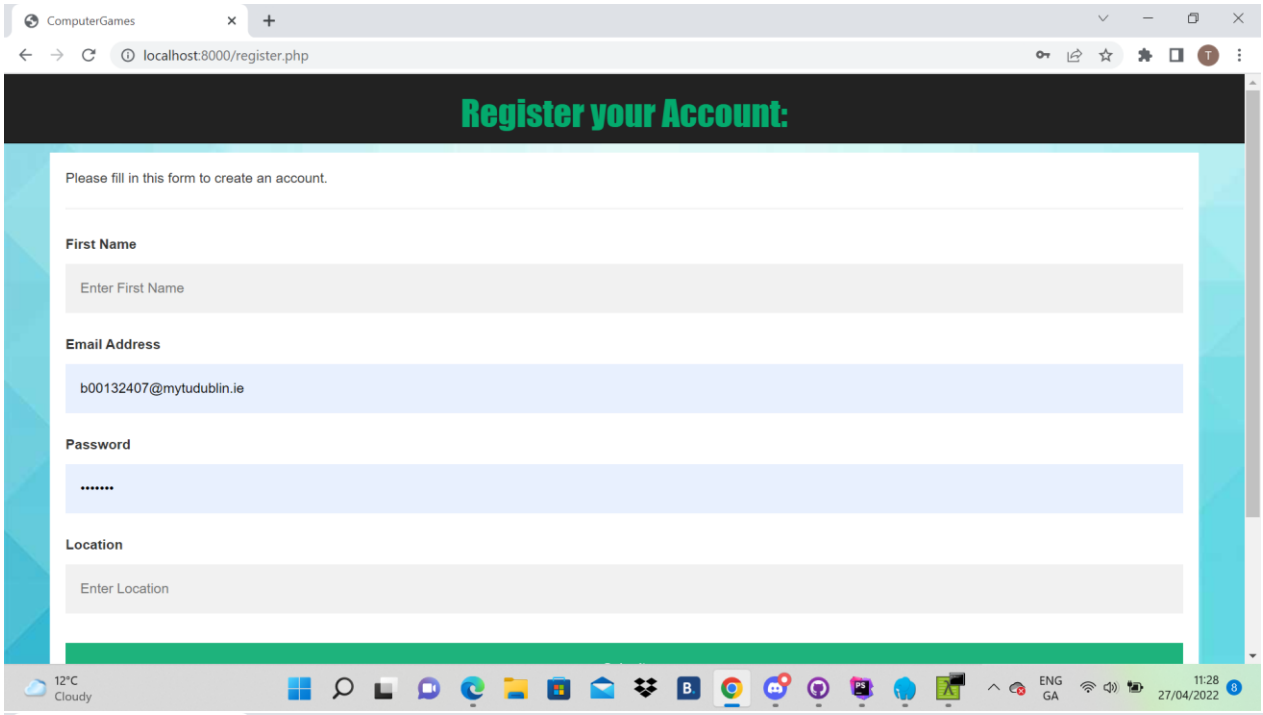


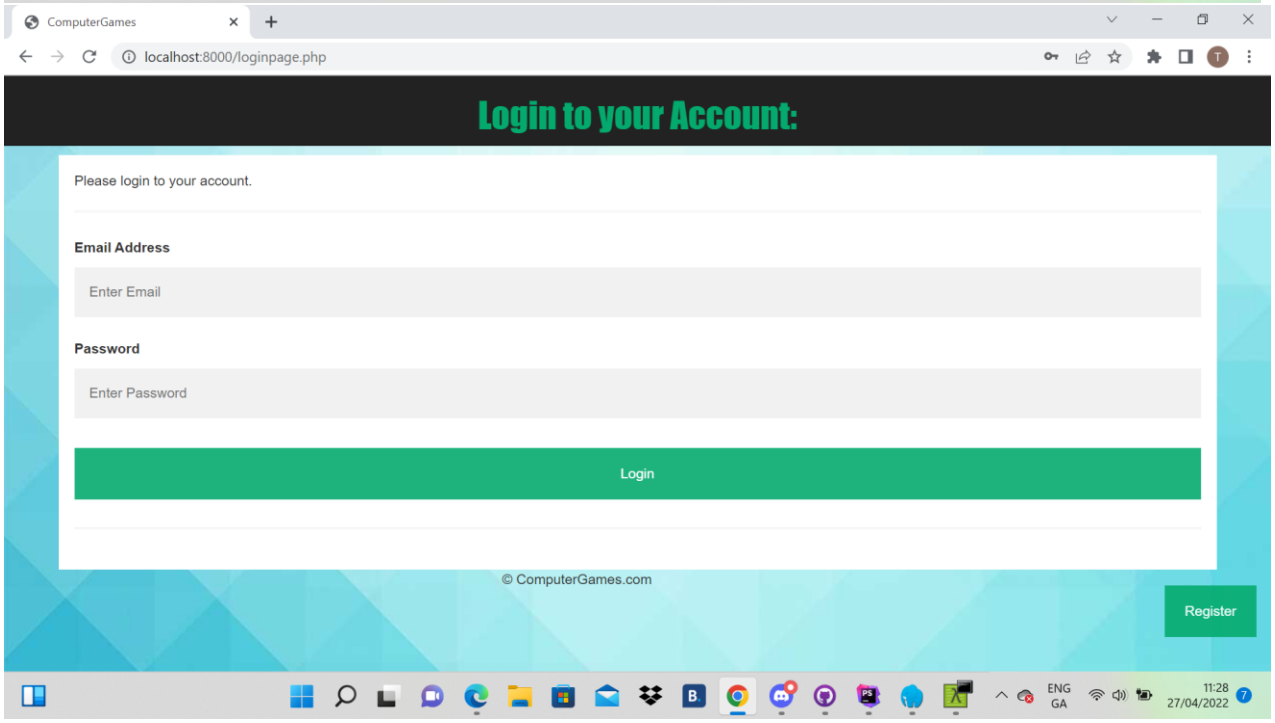


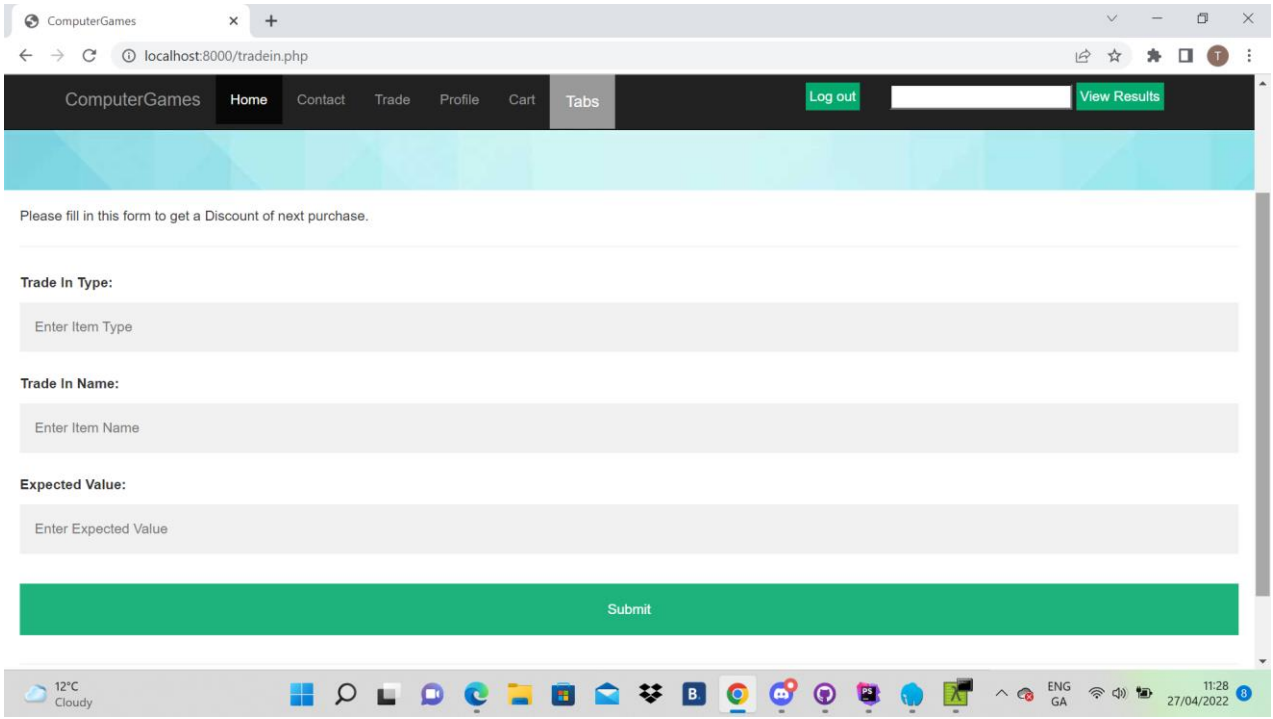


Consistency:

Consistency can be seen between the Register, Login and Trade in pages as they all contain the same design throughout each. All the forms on each page contain similar types of inputs i.e. text inputs. This creates familiarity for the customer as they have seen this style of form before and will have no problems filling it out.

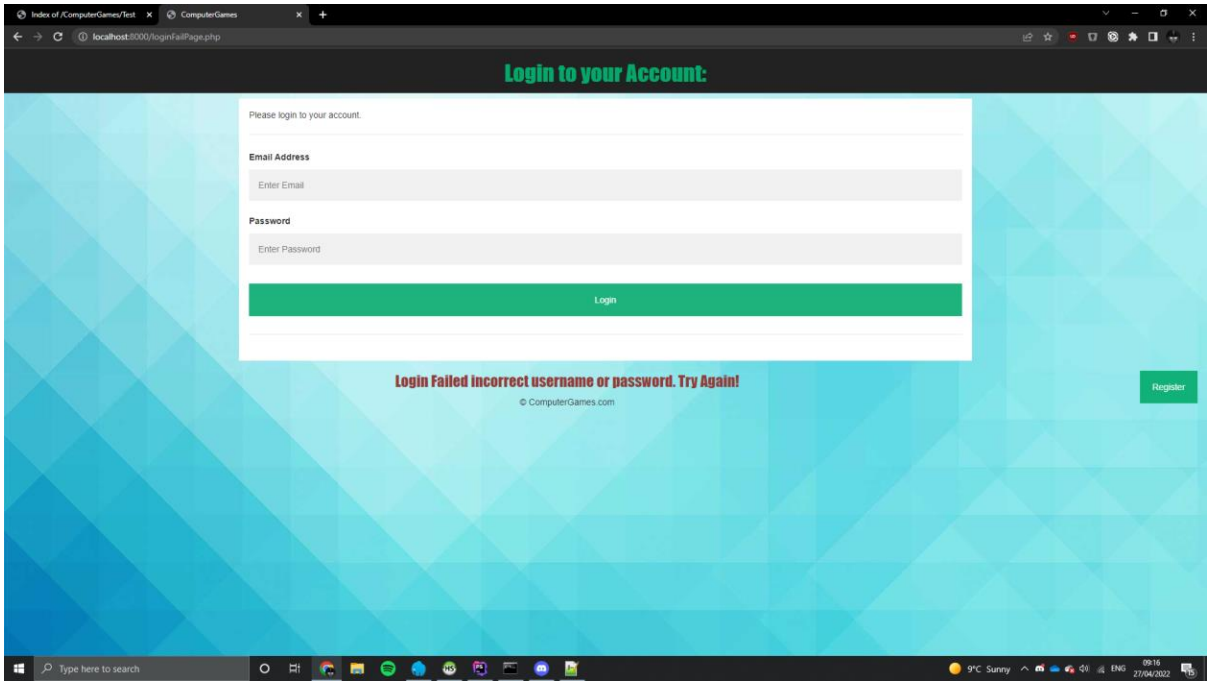

ComputerGames
localhost:8000/register.php
Register your Account:
Please fill in this form to create an account.
First Name
Enter First Name
Email Address
b00132407@mytudublin.ie
Password
Location
Enter Location
12°C
Cloudy
ENG
GA
11:28
27/04/2022


ComputerGames
localhost:8000/loginpage.php
Login to your Account:
Please login to your account.
Email Address
Enter Email
Password
Enter Password
Login
© ComputerGames.com
Register
ENG
GA
11:28
27/04/2022



Recoverability:

Recoverability is evident and seen when the user puts the wrong details into the login screen. If the wrong details are given, they are sent a new login screen that tells them that the wrong information was given.

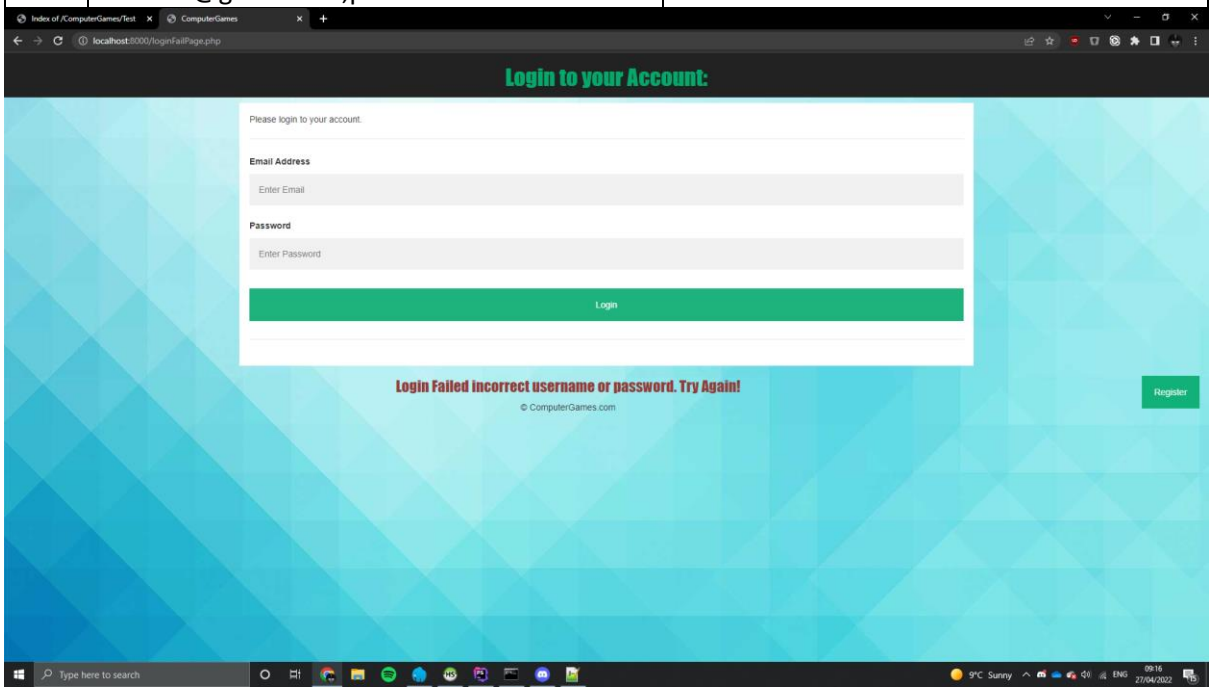


Validation Testing

F = Wrong Screen

T= Correct Screen

#	Test Data	Expected Outcome
1	ola@gmail.com,pass	T
2	Gmai,pass	F
3	ola@gmail.com,password	F
4	Testnot@gmail.com,pass	F



Requirement Testing

Requirement	**Test**
Search	PASSED
Purchase	PASSED
Register	PASSED
Login	PASSED
Checkout	PASSED
Trade-In	PASSED
Edit	PASSED

Contribution

Ola	Cart, Search, Profile, Admin and Profile edit, unit testing, Sessions, Login, Validation, Derived Equivalence, Database creation, Products, Sale
Thomas	Trade, UI, Register, UI testing, Basis Path, Redirects, Database creation, Contacts, Products
Desmond	