Suggestion

1.It is better that we can see the prices of courses before discounting and after it on the one same message.

2.The users can check after how many courses buying they will have discount.

3.After configure discount for the one type of course it would be better to leave empty the fields for the next type of course instead of remain the previous completed .

4.If the admin can set the different values for each type of courses it would be better to show it separately.

5.If there is no any discount for user, he/she doesn’t need to see the message ‘Discount price is displayed’ .

6.The Users will be able to check the courses that they bought by discount prices.

7. It will be more usably gets notification about insufficient funds, incorrectly filled fields

8.As there is already a page with ՛Courses’ titel, the page of ‘Change Discounts’ and ‘Change Role’ elements can be changed to the another name.

Requirement clarification questions

1. Is it necessary to show the notification to users without set the discount by admin?
2. Can any admin set or change a discount on a course posted by another admin?
3. Should the admin see the already set discount?
4. Is there a max and min limit for discount ?
5. Can the admin configure different discount for Fundamental and Advanced types of courses?
6. After how many course purchases should a discount be applied?
7. Should the initial cost of the course be visible anywhere before a user buys a discounted course?
8. What numeric limits should be set for the ‘discount’ and ‘course\_count’ fields?
9. What kind of messages should users see when fields are filled in incorrectly?

Bug Reports

|  |  |
| --- | --- |
| ID number | 1 |
| Bug Summary | Invalid values in discount and course\_count fields |
| Reporter | Ani Tangamyan |
| Submit Date | 07/10/2022 |
| Platform | Microsoft Windows |
| Operating System | Windows 10 pro, 64 |
| Browser | - |
| Severity | high |
| Status | open |
| Version | 1.0 |
| Environment | exam-qwallity.herokuapp.com |
| Component/tag | Functionality for Fundamental and Advanced course types |
| Precondition | Already logged in as admin |
| Steps to reproduce | 1. Go to 'Change Discount' page  2.Choose Fundamental Course Type 3. Enter invalid values  4. Click 'Change Discount'  5. Choose Advanced Course Type  6.Enter  invalid values  7.Click 'Change Discount' |
| Expected result | Should not allow to set discount changes |
| Actual result | The System allows to set invalid data for discount and course\_count fields |
| Note | when we enter letters, symbols or leave the field empty, the program accepts it |
| References | According to the requirements |
| Screenshot |  |

|  |  |
| --- | --- |
| ID number | 2 |
| Bug Summary | Negativ numbers for discount and cours\_count fields |
| Reporter | Ani Tangamyan |
| Submit Date | 07/10/2022 |
| Platform | Microsoft Windows |
| Operating System | Windows 10 pro, 64 |
| Browser | - |
| Severity | high |
| Status | open |
| Version | 1.0 |
| Environment | exam-qwallity.herokuapp.com |
| Component/tag | Functionality for Fundamental and Advanced course types |
| Precondition | Already logged in as admin |
| Steps to reproduce | 1. Go to 'Change Discount' page  2.Choose Fundamental Course Type 3. Enter negative number in discount and course\_count fields  4. Click 'Change Discount'  5. Choose Advanced Course Type  6. Enter negative number in discount and course\_count fields  7.Click 'Change Discount' |
| Expected result | Should not allow to set discount changes by negative number |
| Actual result | The System allows to set negative number datas for discount and course\_count fields |
| Note | - |
| References | According to the requirements |
| Screenshot |  |

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| --- | --- |
| ID number | 3 |
| Bug Summary | Validation messages erorr |
| Reporter | Ani Tangamyan |
| Submit Date | 07/10/2022 |
| Platform | Microsoft Windows |
| Operating System | Windows 10 pro, 64 |
| Browser | - |
| Severity | high |
| Status | open |
| Version | 1.0 |
| Environment | exam-qwallity.herokuapp.com |
| Component/tag | Functionality |
| Precondition | Already logged in as admin |
| Steps to reproduce | 1. Go to 'Change Discount' page  2.Choose Fundamental or Advanced Course Types 3. Write invalid data  4. Click the validation messages |
| Expected result | Should be displayed erorr validation messages |
| Actual result | There aren’t any validation messages about invalid datas |
| Note | - |
| References | According to the requirements |
| Screenshot |  |

|  |  |
| --- | --- |
| ID number | 4 |
| Bug Summary | Users can buy a course by negative discount |
| Reporter | Ani Tangamyan |
| Submit Date | 07/10/2022 |
| Platform | Microsoft Windows |
| Operating System | Windows 10 pro, 64 |
| Browser | - |
| Severity | high |
| Status | open |
| Version | 1.0 |
| Environment | exam-qwallity.herokuapp.com |
| Component/tag | Functionality |
| Precondition | Already logged in as non admin |
| Steps to reproduce | 1. Go to 'Courses' page  2. Choose the course type  3. Choose the course  4.Try to buy it by negative discount  5.Check Account balance |
| Expected result | The system mustn't allow to do the purchase |
| Actual result | Users buy courses by negative discount |
| Note | The price of the course increases and after buying the account balance changes by decreased amount |
| References | According to the requirements |
| Screenshot |  |

|  |  |
| --- | --- |
| ID number | 5 |
| Bug Summary | Users can buy a course course by >100 discount |
| Reporter | Ani Tangamyan |
| Submit Date | 07/10/2022 |
| Platform | Microsoft Windows |
| Operating System | Windows 10 pro, 64 |
| Browser | - |
| Severity | high |
| Status | open |
| Version | 1.0 |
| Environment | exam-qwallity.herokuapp.com |
| Component/tag | Functionality |
| Precondition | Already logged in as non admin |
| Steps to reproduce | 1. Go to 'Courses' page  2. Choose the course type 3. Choose the course  4.Try to buy it by >100 discount  5.Check the Account balance |
| Expected result | The system mustn't allow to do the purchase |
| Actual result | Users are allowed to buy courses by >100 fixed discount |
| Note | The price of the courses take a negative value and after purchase the Account balance **increases** |
| References | According to the requirements |
| Screenshot |  |

|  |  |
| --- | --- |
| ID number | 6 |
| Bug Summary | Non admin users can set discount by API calls |
| Reporter | Ani Tangamyan |
| Submit Date | 07/10/2022 |
| Platform | Microsoft Windows |
| Operating System | Windows 10 pro, 64 |
| Browser | - |
| Severity | high |
| Status | open |
| Version | 1.0 |
| Environment | exam-qwallity.herokuapp.com |
| Component/tag | API test functionality |
| Precondition | Already logged in as non admin |
| Steps to reproduce | 1.Go to Swagger  2.Authorized as non admin user  3.Try to Set Discount by API call |
| Expected result | There must be displayed error message |
| Actual result | Non admin users can set and change discount by API calls |
| Note | - |
| References | According to the requirements |
| Screenshot |  |

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| --- | --- |
| ID number | 7 |
| Bug Summary | Admins can configure discount from DB by invalid datas |
| Reporter | Ani Tangamyan |
| Submit Date | 07/10/2022 |
| Platform | Microsoft Windows |
| Operating System | Windows 10 pro, 64 |
| Browser | - |
| Severity | high |
| Status | open |
| Version | 1.0 |
| Environment | exam-qwallity.herokuapp.com |
| Component/tag | DB test |
| Precondition | Already logged in |
| Steps to reproduce | 1. Go to DB  2. Check course\_discount tabel  3. Configure negative number |
| Expected result | There must be displayed error message |
| Actual result | Admins can set and configure discount from DB by invalid datas |
| Note | - |
| References | According to the requirements |
| Screenshot |  |