NAME: GOKULACHSELVAN C D

ROLL NO: CB.EN.U4CYS21019

SUBJECT: UI DESIGN

TOPIC: INTERFACE EVALUATION

DATE: 30/12/2022

UI DESIGN PRINCIPLES:

User familiarity:
Use terms and concepts familiar to the user.

Consistency:
Comparable operations should be activated in the same way. Commands and menus should have the same format, etc.

Minimal surprise:
If a command operates in a known way, the user should be able to predict the operation of comparable commands.

Recoverability:
Mechanisms that allow the user to recover from errors.

Feedback:
Provide the user with visual and auditory feedback, maintaining two-way communication.

Flexibility:
It is the ability of the design to adapt to different situations and accommodate a range of users. This can include designing for different screen sizes and devices, allowing users to customize their interface to suit their needs, and designing for accessibility.
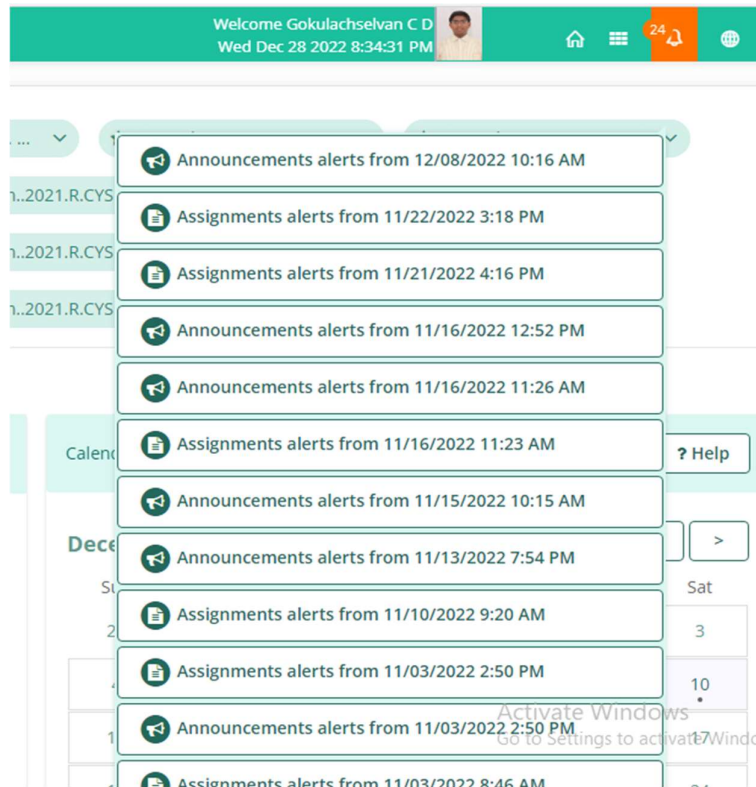
Diversity:
Appropriate facilities for different types of users.

Interface Evaluation of AUMS:

Observation Id: **AUMS-UIE-001**
Design principle violated: **Consistency**

Screenshot:

Issue: The notification icon which is present in the navigation bar at the top right corner has no options to clear all notification badges appearing in it.
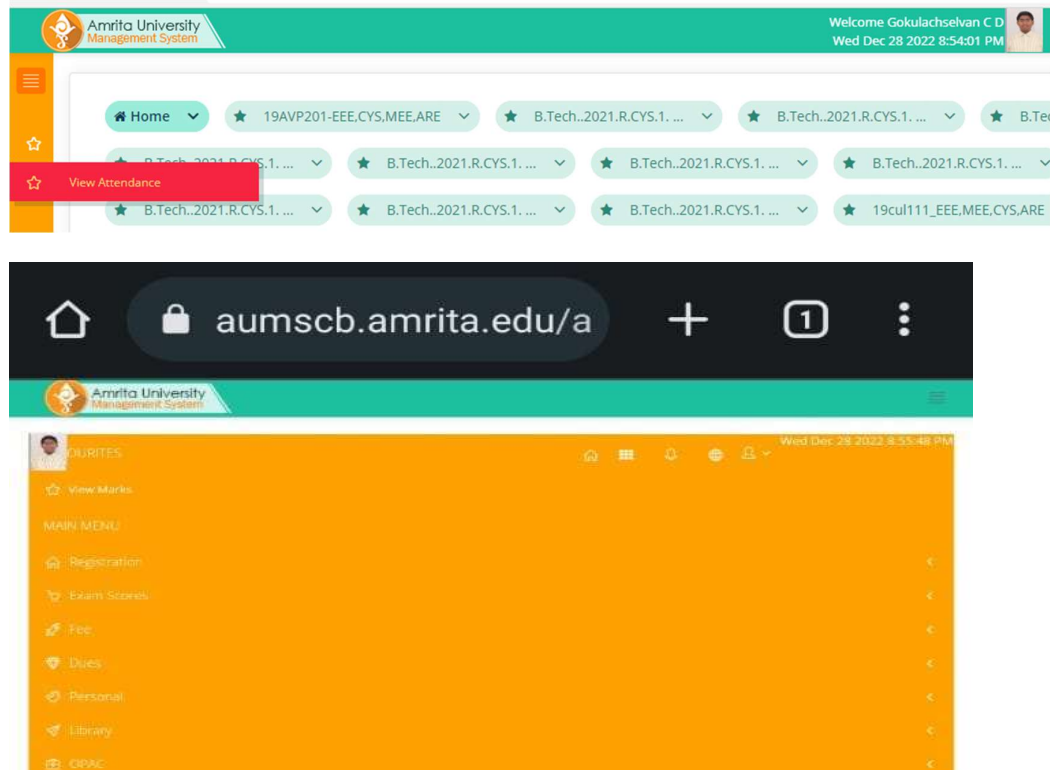
Suggestions for Improvement:
1) Add a "Clear All" button in the notification menu to allow users to easily clear all notifications at once.
2) Consider implementing a notification history feature, allowing users to view past notifications and clear them in bulk if needed.

Screenshot:

Issue: If we click the main menu and mark "view attendance" as favourites in desktop browsers most of the time it is updated only in the desktop version, but in mobile browsers, the favourites option is not updated as shown in the screenshots above.

Suggestions for Improvement:
1) Investigate and fix the issue causing the favorites option to not update in mobile browsers.
2) Consider implementing a synchronization feature to ensure that the favorites option is consistently updated across all devices and browsers.
3) Provide a clear indication to the users when the favorites option has been successfully added or removed, such as a confirmation message in the interface.

Observation Id: **AUMS-UIE-003**
Design principle violated: **Minimal Surprise and Accessibility**

Screenshot:

Issue: In the resource section, if there are more than 12 resources, we can't further scroll down than 12 options in default mode, for scrolling down we need to click full-screen mode, which is located at the right corner above the resource section, which is difficult to find for many users and once if we enabled the full-screen mode then we can access all the resources and if we log out and log in again, in home page we are not able to see the course drop-down menu in home page, as seen in the second image. Once if we manually turn off the full-screen mode then only we can see the courses drop-down menu in the home page.
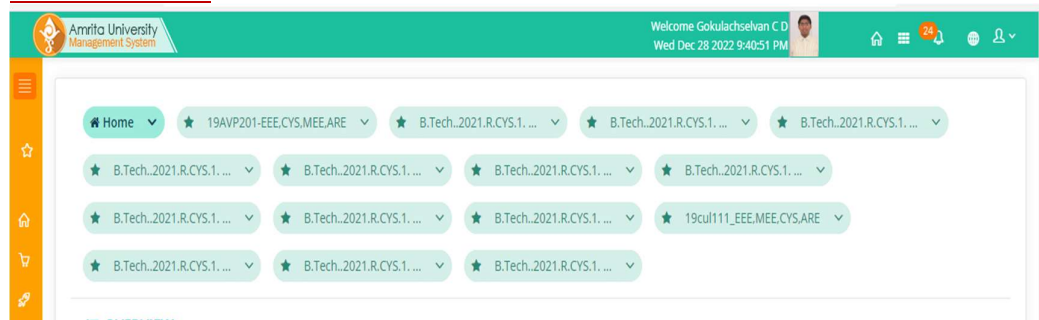
Suggestions for Improvement:

1) Consider implementing a pagination system for the resource list to allow users to easily access all resources without having to use full-screen mode.
2) Consider adding a toggle switch or button for the full-screen mode option to make it easier for users to turn it on and off as needed.
3) Consider adding a notification or message informing users when they are in full-screen mode and how to exit it.

Observation Id: **AUMS-UIE-004**
Design principle violated: **User familiarity**

Screenshot:

Issue: In addition to giving a home button in the top right corner of the navigation menu, the link to redirect to the home page can be linked with the site's logo so that it will be more convenient for the users who are using the site more frequently.
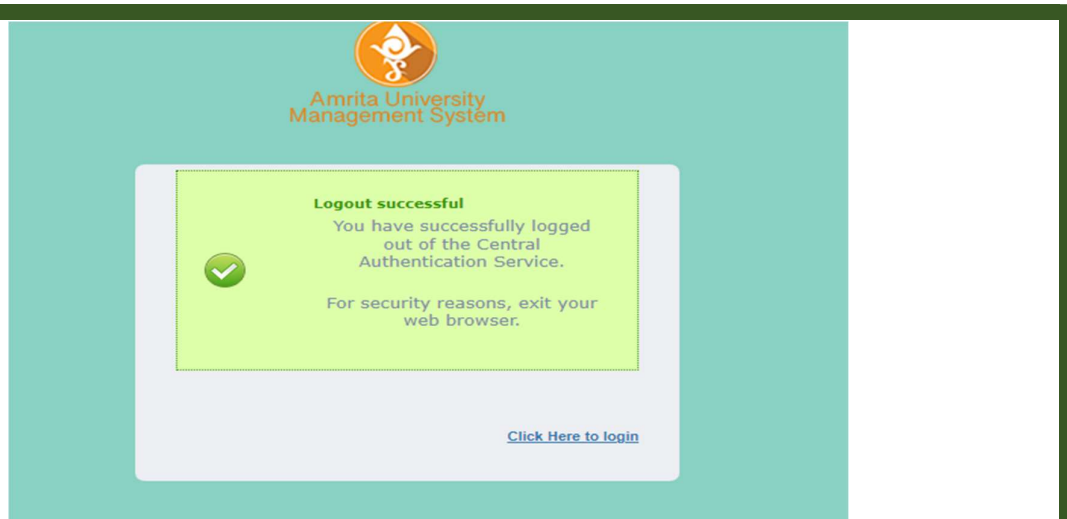
Suggestions for Improvement:
1) Link the site's logo to the home page to make it more convenient for frequent users.

Observation Id: **AUMS-UIE-005**
Design principle violated: **Recoverability**

Screenshot:

Issue: If we log in to aums one day in a browser and if we forgot to log out and closed the tab. After a few days when we again logged in to the same browser using our credentials, the page gives a prompt that we have logout out successfully rather than logging us into the home page.

Suggestions for Improvement:
1) Consider implementing a session timeout feature, which automatically logs the user out after a certain period of inactivity and starts fresh in the log-in screen when they log in after some time.
2) Consider adding a logout confirmation alert message to alert the user when they are about to close the tab of the website.

Observation Id: **AUMS-UIE-006**
Design principle violated: **Consistency and User Familiarity**

Issue: The view student's profile is inconsistent because all the fields are very closely assigned and the user is not able to view some details as the text fields are overlapped in many places.

Screenshot:

Suggestions for Improvement:

1) Increase the spacing between the fields to improve readability and make it easier for users to view all the details.

2) If the student profile has a lot of information, we can consider using tabs to break up the content and make it easier to navigate. This will allow users to view only the information that they are interested in, without having to scroll through a long page.

Observation Id: AUMS-UIE-007

Design principle violated: Consistency and User Familiarity

Screenshot:

Issue: Instead of clicking the above-marked place every time to go back, an explicit back option button will be best for the users who use this site frequently and it will save their time searching for the back button.
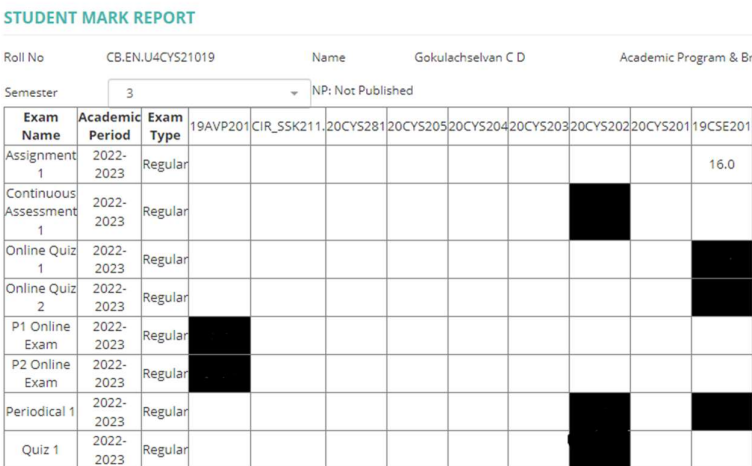
Suggestions for Improvement:
1) The back button should be easy for users to see and click, so consider placing it in a prominent location on the page so it will save the users time.
2) Use a label on the button that should be clear and descriptive, so that users know exactly what will happen when they click it. For example, you might use a label like "Back to Previous Page".

Observation Id: **AUMS-UIE-008**
Design principle violated: **Diversity and Feedback**

Screenshot:

STUDENT MARK REPORT

| Roll No | CB.EN.U4CYS21019 | | Name | Gokulachselvan C D | | Academic Program & Branch | B.Tech2021 CYS |

| Semester | 3 | | NP: Not Published |

Exam Name	Academic Period	Exam Type	19AVP201	CIR_SSK211.	20CYS281	20CYS205	20CYS204	20CYS203	20CYS202	20CYS201	19CSE201
Assignment 1	2022-2023	Regular									16.0
Continuous Assessment 1	2022-2023	Regular						■			
Online Quiz 1	2022-2023	Regular								■	
Online Quiz 2	2022-2023	Regular								■	
P1 Online Exam	2022-2023	Regular	■								
P2 Online Exam	2022-2023	Regular	■								
Periodical 1	2022-2023	Regular						■		■	
Quiz 1	2022-2023	Regular						■			

Issue: In the view marks page there is only the mark we scored there is no option to see the total marks on this page which makes every user in a confused state on their scorings.

Suggestions for Improvement:
1) The view marks page must provide users with the ability to view the breakdown of their marks, showing them how they scored on each individual assessment or task. This could help users understand how they performed on

different parts of the assessment, and could also provide more detailed feedback on areas where they may need to improve.

Observation Id: **AUMS-UIE-009**
Design principle violated: **Recoverability and Flexibility**

Screenshot:

Due: Class Test 4

Date:	Today, 3:30 PM
Event Type:	⧗ Deadl

Description:
"Class Test 4" is **available on 12/29/2022 02:45:00 PM** to the entire class at
https://aumscb.amrita.edu/samigo-app/servlet/Login?id=210091672291876513

It is **due 12/29/2022 03:30:00 PM**.

The time limit is 0 hr, 25 min. This assessment will be submitted when time is up
Students can submit this 2 time(s). (The highest score will be recorded).

Student will receive **no feedback**.

Find this assessment at the "B.Tech..2021.R.CYS.1.20CYS201" site on
https://aumscb.amrita.edu/portal.

Site: B.Tech..2021.R.CYS.1.20CYS2

*The main issue persists only at last-minute submission time in quizzes so giving that screenshot is not possible therefore I included a related screenshot.

Issue: During the time of online tests, especially during the last minute, the website mostly crashes and does not recover from the crash immediately, it takes approximately 30 seconds to 1 minute time so it is very difficult for the users who are submitting the quiz at the last minute.

Suggestions for Improvement:
1) The website should add an additional server or increase the capacity of the existing servers to handle the increasing load.
2) Optimizing the existing code of the website like minimizing the use of resource-intensive functions will also increase its efficiency during the time of high traffic.