2023

53%

POE PART 1

HUMAN COMPUTER INTERACTION (HCIN6222)

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Part 1

As students navigate the challenges of academic life, they often encounter overwhelming difficulties such as managing multiple assignments, acing exams, and grasping complex concepts.

Without effective coping mechanisms in place, these obstacles can cause students to feel isolated and unsupported. To mitigate this problem, a new website called 'Life Buddy' has been introduced that can help students address their academic, personal, and social needs. Students can greatly benefit from the 'Life Buddy', a collaborative study platform that fosters an inclusive and supportive virtual space for connection, collaboration, and learning.

With its focus on improving students' learning experience, this website is designed to enhance their academic skills:

- Usability goals
- Desirable aspects of user experience
- Design principles
- Interaction types
- Social interactions
- Emotional interaction
- Web Content Accessibility and Guidelines (WCAG) 2.0

And I will discuss how the website will assist in their academic, personal, and social lives.

1.1

The website will offer:

- Pages where students will be able to upload material required for studying and share among all or specific students.
- Pages that will allow students to connect to virtual classrooms where they can engage with one another through voice, text, or video.
- It will offer students access to a private messaging platform where they can connect with lectures.

On a personal aspect

- The website will be able to offer personalized learning features and study plans and track how their learning is going.

On a Social aspect

- The website can also lead to the development of peer-to-peer mentoring, in which experienced students can provide guidance and support to those who require it, thereby promoting a sense of belonging and learning together.

Through its comprehensive platform, the website will offer an array of resources tailored to meet the academic and emotional needs of college students. From individualized learning plans and customized study materials to peer-to-peer support networks and emotional wellness offerings - these blended services work together synergistically towards creating both collective success as well as personal growth.

1.2

Plans to implement in the design of the website.

Usability Goals:

- Proficiency:
  The site ought to permit clients to effortlessly explore through diverse segments, discover and consider materials, and interface with other understudies rapidly and instinctively.
- Learnability:
  The site ought to have a straightforward and clear interface that's simple for understudies to get and utilize, indeed on the off chance that they are not recognizable with comparable stages.
- Adaptability:
  The site ought to be responsive and open on distinctive gadgets, counting desktop computers, tablets, and smartphones, to suit diverse users' inclinations and consider propensities.
- Error Prevention:
  The website should have systems that prevent errors such as accidental deleting of content and should have a backup to offer recovery support.

(Interaction Design Foundation. 2023).

Desirable Aspects of User Experience: such as pleasurable, enjoyable, fun, etc

- Collaborative Study:
  The website should give students the tools to allow them to study together utilizing virtual study classes.
- Content Sharing:
  The website should allow students/lecturers to upload and access study materials.
- Personalization:
  Students should be able to customize their profiles, interest, and study preferences so that it will allow the website to create a study plan matching their interests and needs.
- Communication:
  The website should provide communication tools, such as messaging platforms to allow users to quickly be able to speak to one another to share information and or help.

(Sohaib, O et al. 2011).

Design Aspects:
- The design should be simple to navigate and visually appealing with a clear layout and easy to read.
- The visual aspect should remain consistent across the entire website, using colors, fonts, etc. to enhance the user experience.
- The website should be responsive in a means of allowing for the use of multiple devices and sizes and should not be cluttered on other devices other than a computer.
- The website should have colors that pull the users' attention and enhance productivity.

Interaction Types:
- Social Interaction:
  The website would have tools that support social interaction among students by granting the ability for them to create groups, discussions, and or view other students' study plans.
- Content Interaction:
  Allow the uploading, downloading, and commenting of content.
- Communication Interaction:
  The website should provide secure messaging tools that will enable students to top to interact and receive notifications.

Social Interactions:
- Study Groups:
  Students should have the ability to join study groups or create them virtually based on interests, courses, or subjects.
- Discussion Forms:
  Students ought to be able to take part in discourse gatherings related to distinctive subjects, subjects, or consider materials, and lock in in peer-to-peer learning by inquiring questions, sharing bits of knowledge, and talking about scholarly concepts.
- Social Profiles:
  Students ought to be able to make individual profiles, interface with other students, and share their interface, accomplishments, and think about objectives to construct a social organization of like-minded understudies.

Emotional Interaction:
- Motivation and Engagement:
  The website should offer to promote students' engagement such as gamification elements and offer rewards and progress tracking.
- Emotional Support:
  The Website should allow students to get emotional support either through the peer to peer method or through the ability to connect directly to the student wellness bodies.
- Positive User Experience:
  The website should aim to create a positive emotional experience for users through a user-friendly interface.

Web Content Accessibility and Guidelines (WCAG) 2.0:

- **Perceivable:**
  The website should be made in a way that it accommodates everyone for example those with hearing or visual impairments for them to be able to perceive the content. For example, text-to-speech, captions on videos, etc.
- **Operable:**
  The website should be able to be navigated by all users that may have physical impairments, and make sure that colors would not cause physical discomfort.
- **Understandable:**
  It should be easy to understand as well as be made easy to navigate using simple language and navigation that goes to where it needs to go as well as do what it is made to do.
- **Robust:**
  To guarantee universal access to our website regardless of a user's technology or ability limitations, we must prioritize compatibility across diverse web browsers and devices while also ensuring integration with assistive technologies.

(Web Accessibility Imitative. 2016).

References

Online

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