



User Manual

Pool

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1. Login Page



Users can securely access the system by entering their unique ID and password, ensuring privacy and data protection. When clicking on the login button, the user will be redirected to the homepage regarding their user role.

2. AppBar

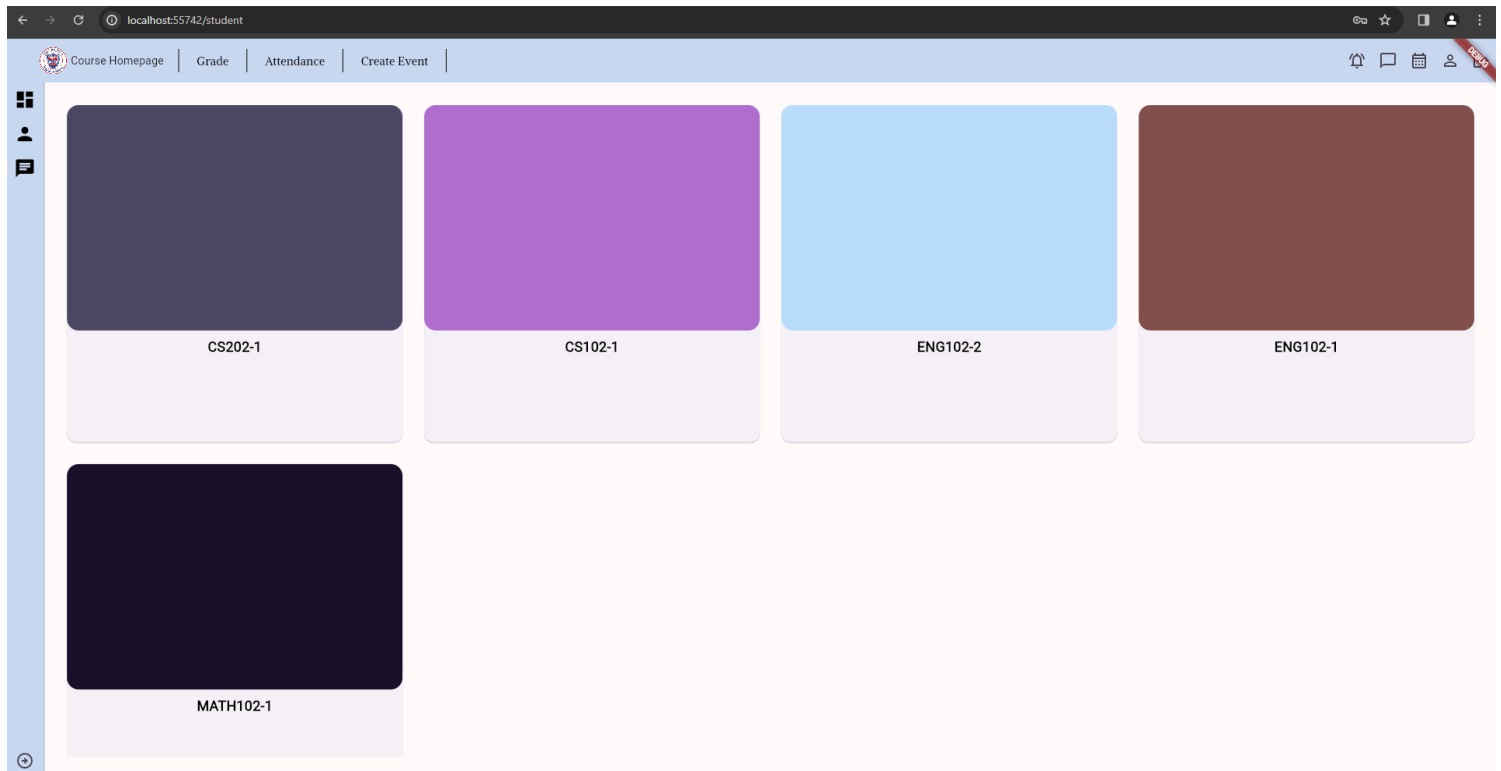


- This app bar is used for all rules throughout the project.
- The leftmost button redirects to the homepage,
- The grade and attendance buttons are used. The grade is used to see or create grades and attendance, which the roles decide.
- Notification lists the events in which the user is rolled in.
- The chat button is to contact friends, instructors, or even admins. You can create group chats or solo chats however you like.
- The calendar icon is to see and keep track of your events.
- The user profile icon redirects to your user profile page. The logout button logs you back to the login page.

3. Left Bar

Responsive manners are the same as AppBar; to see the app bar on the phone, for example.

4. Student Homepage



Students can conveniently view the sections they are enrolled in, facilitating easy access to relevant course materials and information tailored to their academic pursuits. They can go to their section details by clicking on that section's card.

5. View Grade Page

CS202	
CS102	
edging8	N/A
edging7	N/A
ENG101	
ENG102	
MATH102	

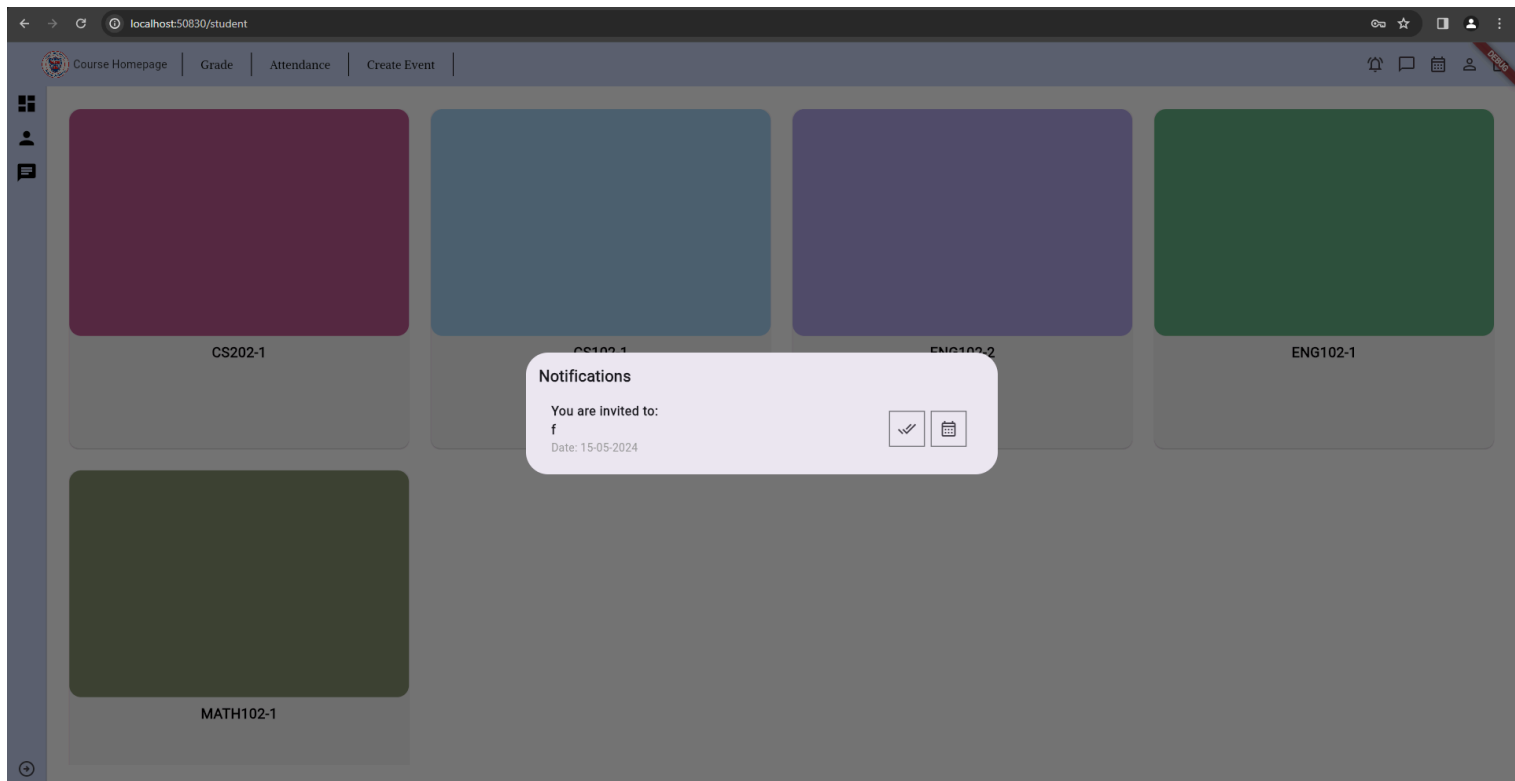
Students can review the grades they have received for assignments, providing them with valuable feedback on their progress and performance within the course.

6. View Attendance Page

ENG102	
Date: 07/05/2024	Attendance: 1/1
Date: 08/05/2024	Attendance: 1/1
Date: 15/05/2024	Attendance: 2/2
Date: 16/05/2024	Attendance: 2/2
Date: 21/05/2024	Attendance: 0/2
CS102	
Date: 08/05/2024	Attendance: 2/2
Date: 09/05/2024	Attendance: 3/3
Date: 14/05/2024	Attendance: 0/1

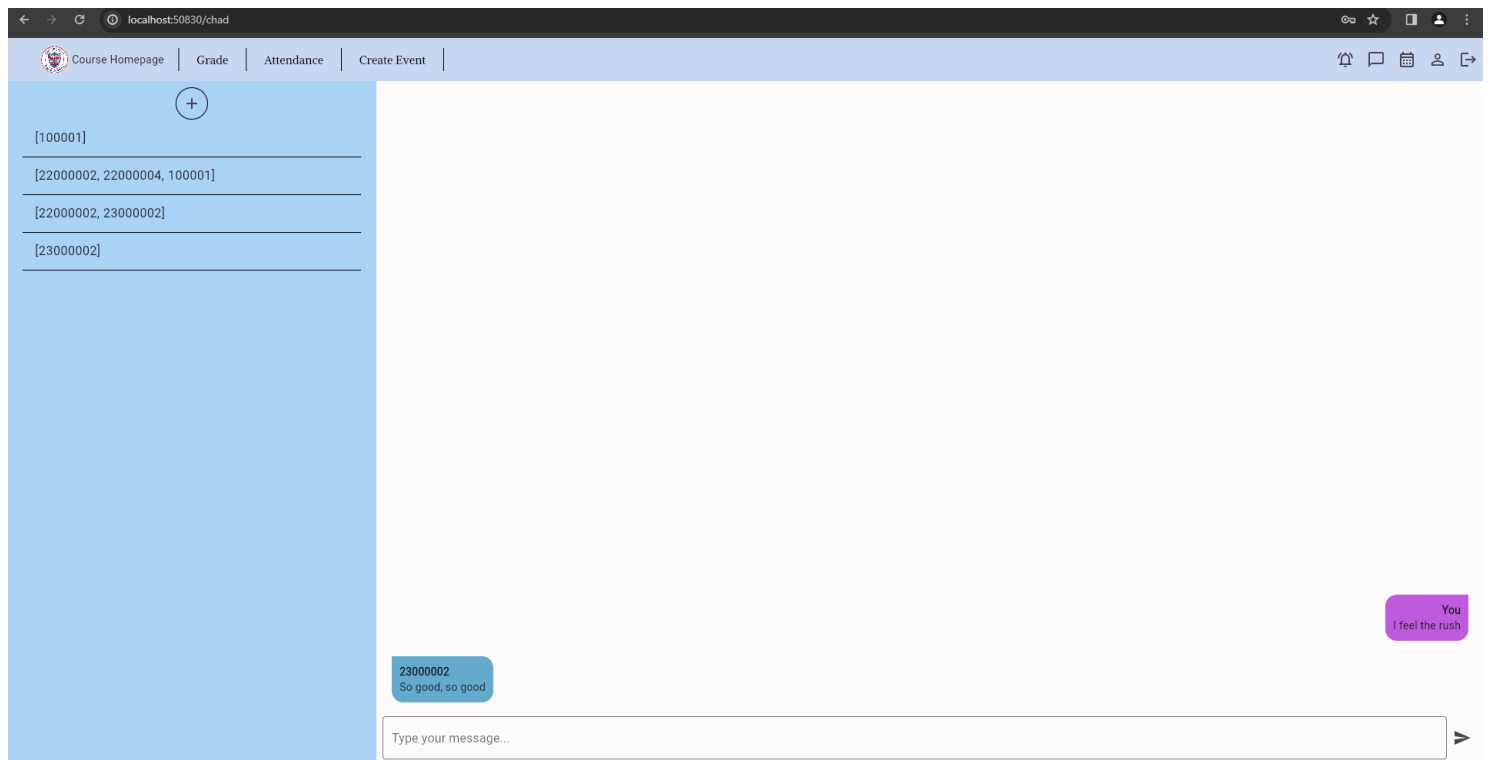
Within this section, students can monitor their attendance records, enabling them to stay informed about their class participation and overall engagement in the learning process.

7. Notification Alert




Users are presented with event-related notifications in this section, allowing them to stay updated on important events or announcements. They can conveniently dismiss these notifications once they have been acknowledged or addressed using the mark as read button. The calendar button directs the user to the calendar to see the event they have been notified.






8. Chat Direct Message



The chat homepage serves as a central hub for users to communicate with other individuals within the system, fostering collaboration, discussion, and support among peers. They can create a new chat by clicking on the plus icon at the top of the contacts list.

9. Create Contact Page

 Course Homepage | Grade | Attendance | Create Event |



CreateUser

☒ Group

☐ Solo

Enter User ID

2401

Enter User ID

100001

Enter User ID

100004

Enter User ID

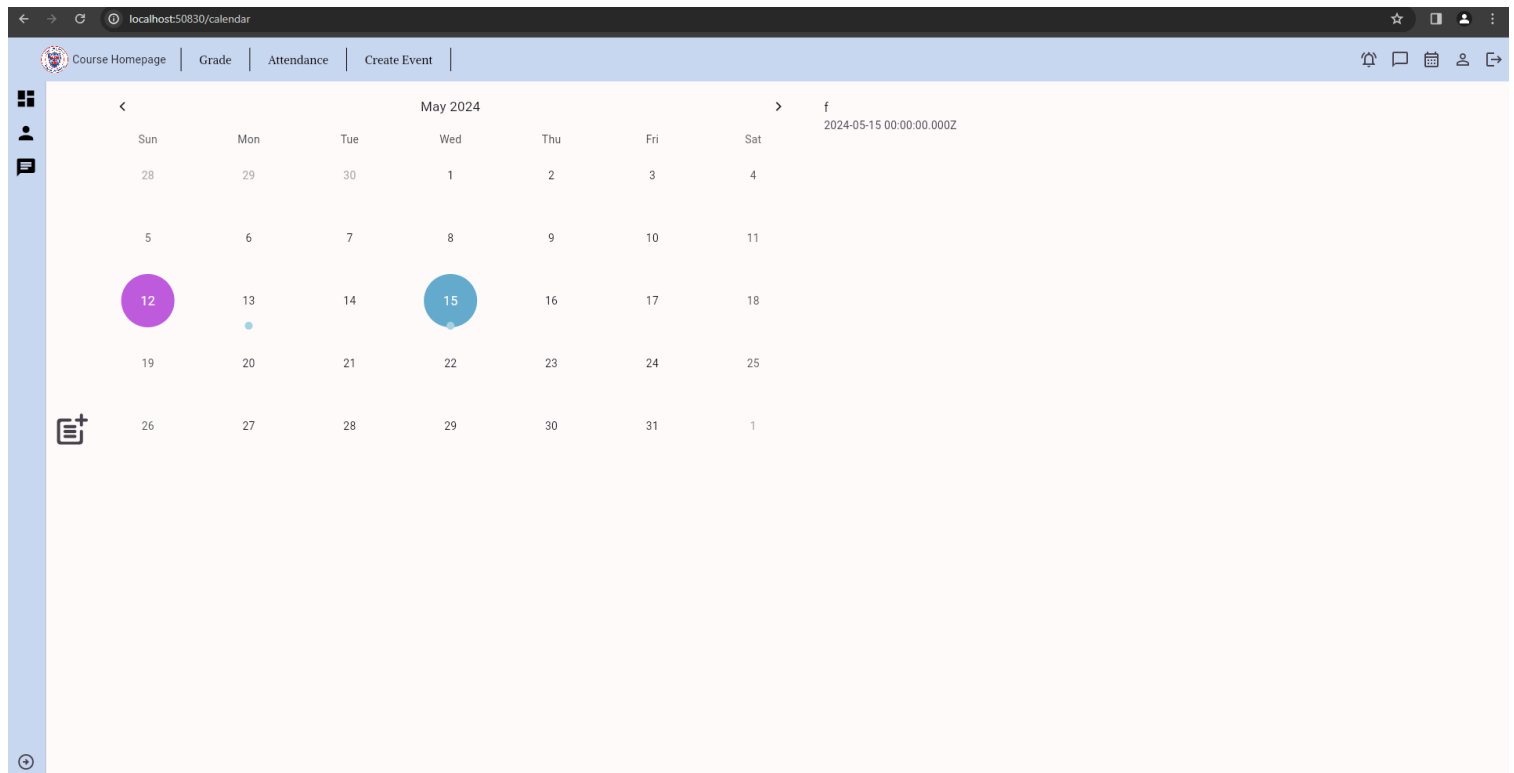
23000002

Add

Create Contact

The 'Create Contact' feature empowers users to establish chat rooms, facilitating one-on-one and group discussions. Users can seamlessly connect with individuals or assemble groups, enhancing communication efficiency and collaboration within the system.

10. Calendar Page



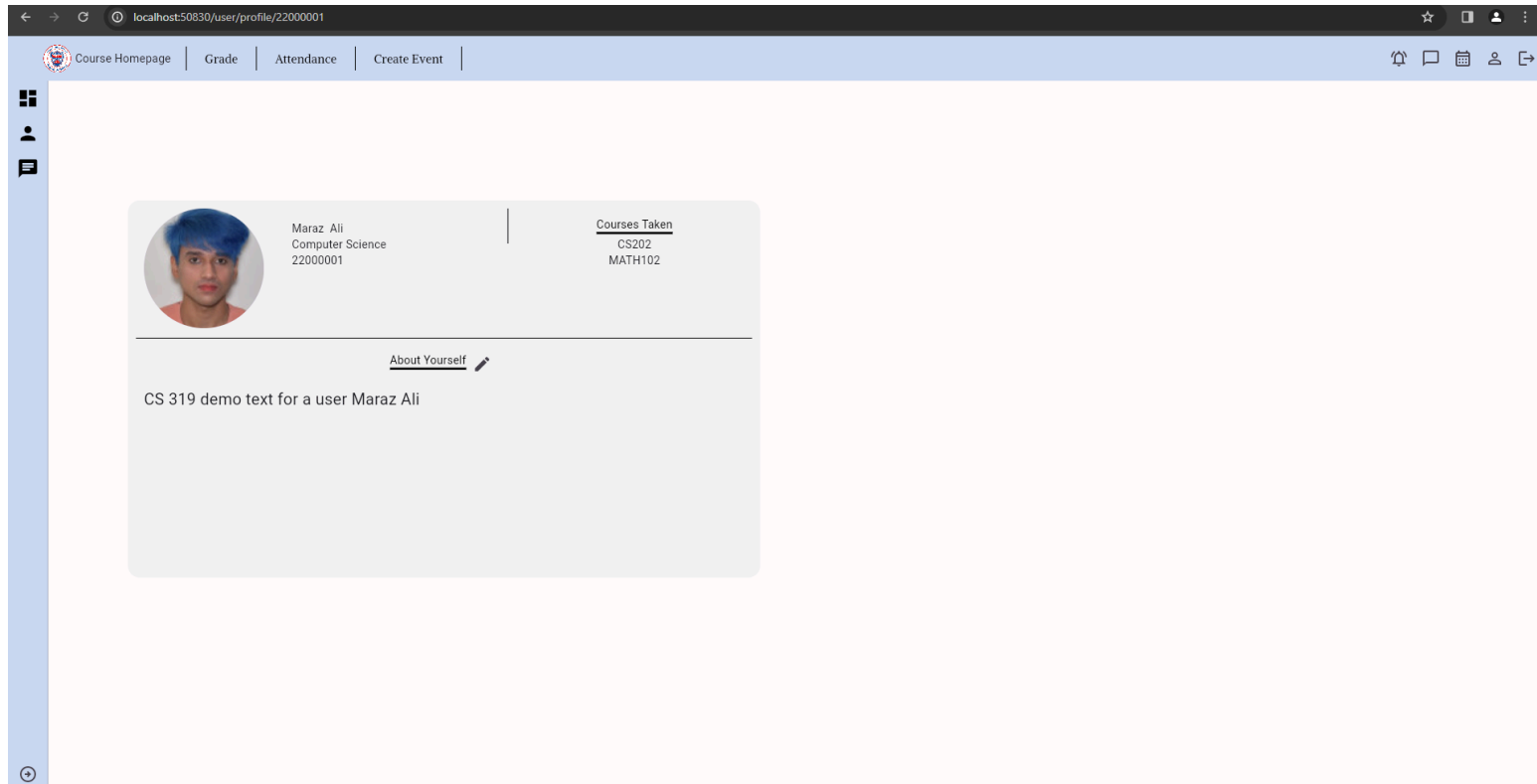
The calendar feature gives users a visual representation of scheduled events, allowing them to manage their time and commitments efficiently. Users can easily view upcoming events within the calendar, ensuring timely participation and organization. They can create a new event by clicking the left icon. They can also see the details of the event by clicking on them.

11. Create Event Page

The screenshot displays the 'Create Event' page within a web application. The interface features a blue sidebar on the left with icons for navigation, a user profile, and messages. The main content area has a light pink background. At the top of the main area is a back arrow. Below it are three input fields: 'Event Title', 'Explanations', and 'Date'. Below the 'Date' field is a large text area for 'Add Participants' with a plus icon. To the right of the text area is a 'Create Event' button. The top navigation bar includes 'Course Homepage', 'Grade', 'Attendance', and 'Create Event'.

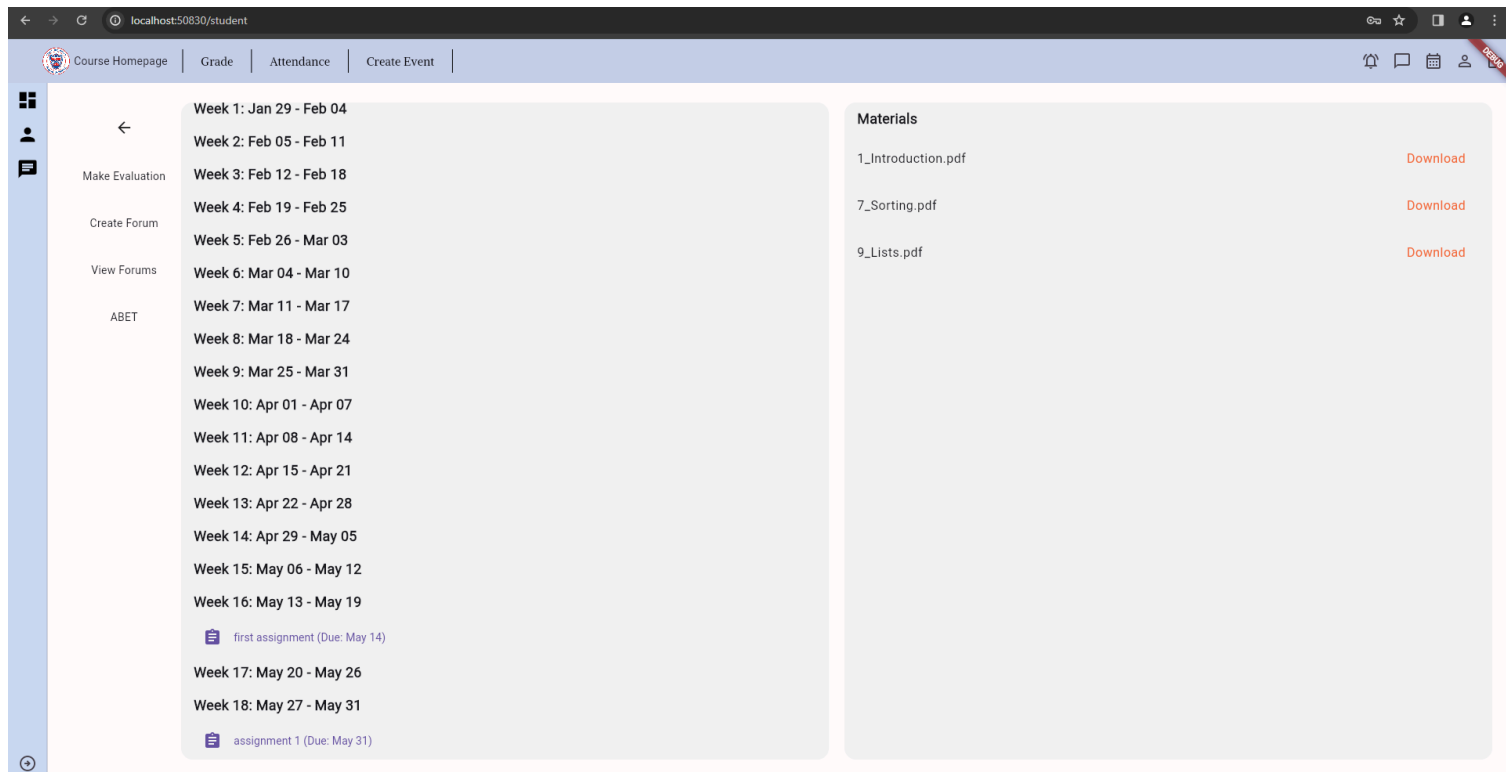
Users can create events, specify titles and explanations, set dates, and manage participant invitations, facilitating effective coordination and communication within the system.

12. User Profile Page



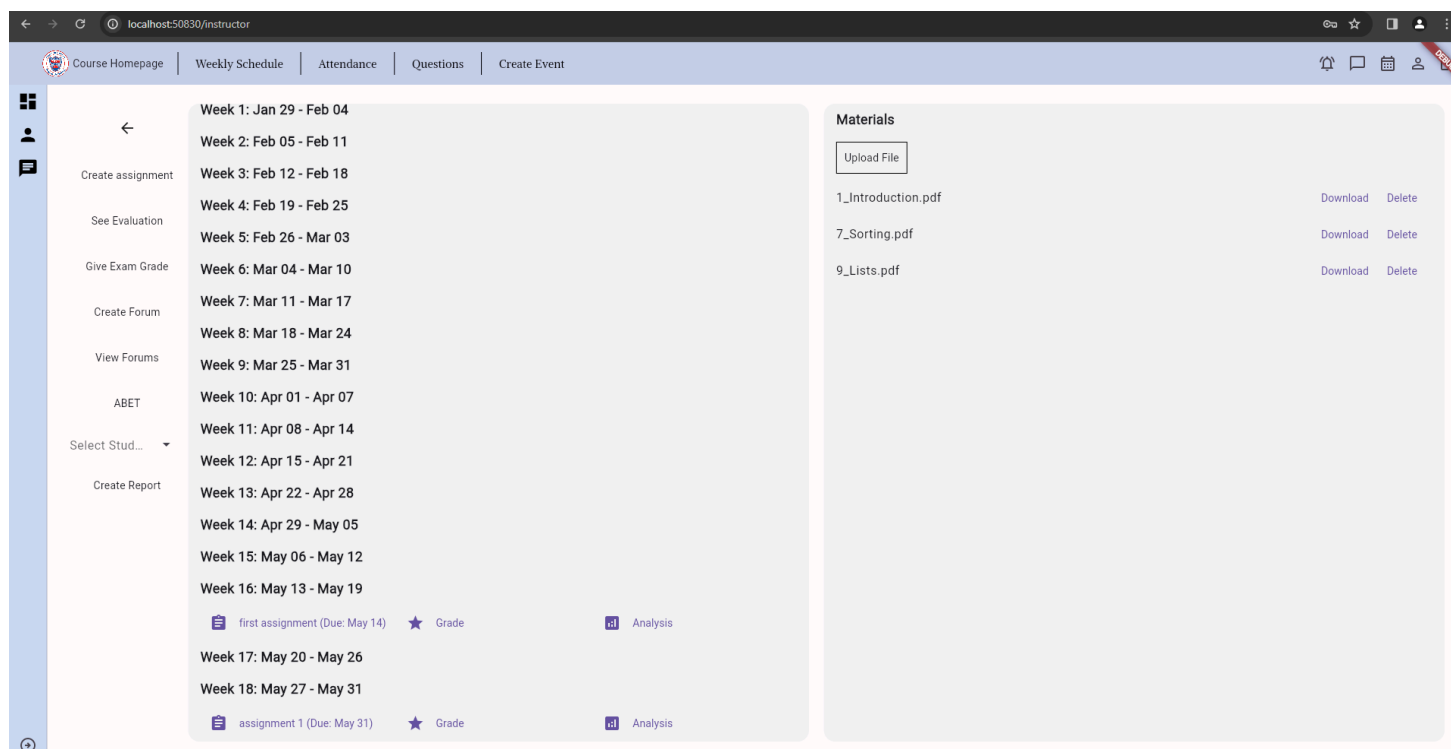
The User Profile Page is a comprehensive platform where users can access their profiles or explore profiles of other users within the system. Each profile prominently displays the user's unique identifier, along with customizable sections allowing individuals to provide brief descriptions about themselves, fostering connections and community engagement.

13. Student Section Details Page



The Section Details Page offers students a comprehensive overview of their enrolled sections, enabling access to materials provided by instructors for download. Additionally, students can give evaluations on the instructor, fostering feedback and improvement. The platform also facilitates forum creation for collaborative discussions, where students can engage with peers. Moreover, students can view ABET information, assignments, and their respective due dates, ensuring seamless organization and participation in their academic endeavors. Students can download materials by pressing the download button next to materials. Students can make evaluations of the section's instructor by pressing the make evaluation button. Students can view forums by pressing Create Forum button and view the forums by pressing View Forums button. Students can view the ABET of the course by pressing ABET button.

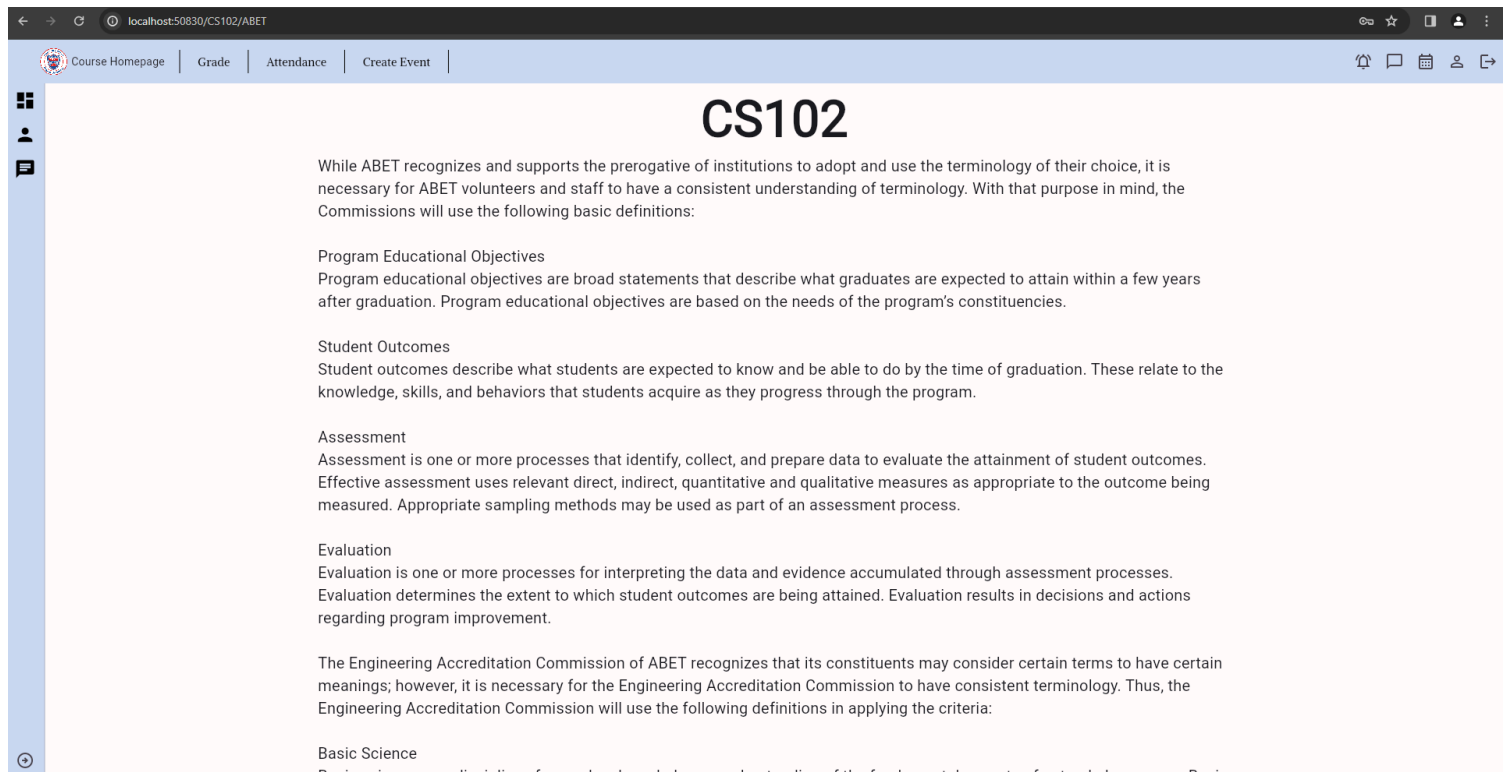
14. Instructor Section Details Page



Instructors have extensive capabilities within the Section Details Page, allowing them to manage course materials by uploading and deleting them as needed. They can also access assignments and grade submissions and perform in-depth analyses to track student progress effectively. Moreover, instructors can create new assignments tailored to course objectives, view student evaluations for feedback, and assign exam grades. Additionally, they can facilitate discussions by creating and participating in forums. Furthermore, instructors can access ABET information to align course outcomes with accreditation standards. Lastly, they can generate individual student reports, providing detailed insights into their academic performance and progress. Also, when they click on an assignment, they can see the details regarding that assignment. When the Create Assignment text button is pressed, the instructor is redirected to the Create Assignment page. Instructors can see the evaluation details by clicking on the See Evaluation button. Instructors can give exam grades by pressing the Give Exam Grades button. Instructors can create forums by clicking the Create Forum button and also view the forums by View Forums button. Instructors can see the details of ABET by

pressing ABET button. Instructors can upload materials by pressing Upload File button. Also instructors can delete or download respective materials by pressing the download and delete buttons next to the materials.

15. ABET Page



The ABET Information Page comprehensively details the course's alignment with ABET accreditation standards. Here, users can access vital information about how the course objectives and outcomes adhere to ABET criteria, ensuring transparency and compliance with accreditation requirements. This page serves as a valuable resource for stakeholders, offering insights into the educational quality and rigor of the course about industry standards.

16. Edit ABET Page

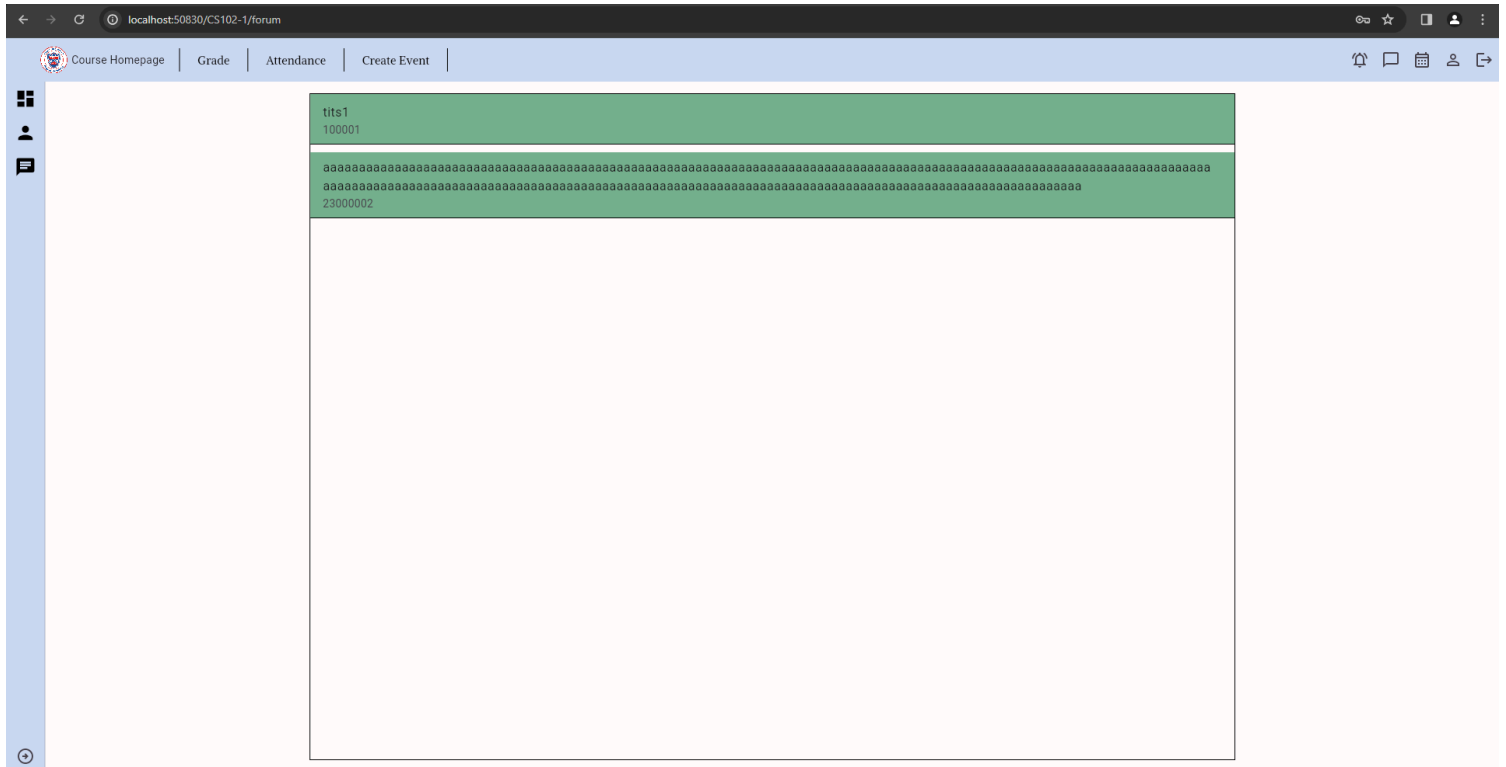
The screenshot shows a web browser window with the address bar displaying 'localhost:50830/CS102/ABET'. The browser's top navigation bar includes links for 'Course Homepage', 'Weekly Schedule', 'Attendance', 'Questions', and 'Create Event'. On the right side of this bar are icons for notifications, a calendar, a user profile, and a share button. The main content area features a large heading 'CS102' with a checkmark icon. Below the heading is a text editor with a placeholder 'Enter New Text'. The editor contains several paragraphs of text defining ABET terminology:

- Program Educational Objectives**
Program educational objectives are broad statements that describe what graduates are expected to attain within a few years after graduation. Program educational objectives are based on the needs of the program's constituencies.
- Student Outcomes**
Student outcomes describe what students are expected to know and be able to do by the time of graduation. These relate to the knowledge, skills, and behaviors that students acquire as they progress through the program.
- Assessment**
Assessment is one or more processes that identify, collect, and prepare data to evaluate the attainment of student outcomes. Effective assessment uses relevant direct, indirect, quantitative and qualitative measures as appropriate to the outcome being measured. Appropriate sampling methods may be used as part of an assessment process.
- Evaluation**
Evaluation is one or more processes for interpreting the data and evidence accumulated through assessment processes. Evaluation determines the extent to which student outcomes are being attained. Evaluation results in decisions and actions regarding program improvement.
- The Engineering Accreditation Commission of ABET**
The Engineering Accreditation Commission of ABET recognizes that its constituents may consider certain terms to have certain meanings; however, it is necessary for the Engineering Accreditation Commission to have consistent terminology. Thus, the Engineering Accreditation Commission will use the following definitions in applying the criteria:
- Basic Science**
Basic sciences are disciplines focused on knowledge or understanding of the fundamental aspects of natural phenomena. Basic sciences consist of chemistry and physics and other natural sciences including life, earth, and space sciences.
- College-Level Mathematics**
College-level mathematics consists of mathematics that requires a degree of mathematical sophistication at least equivalent to that of introductory

In the bottom right corner of the page, the text '4273/30000' is visible.

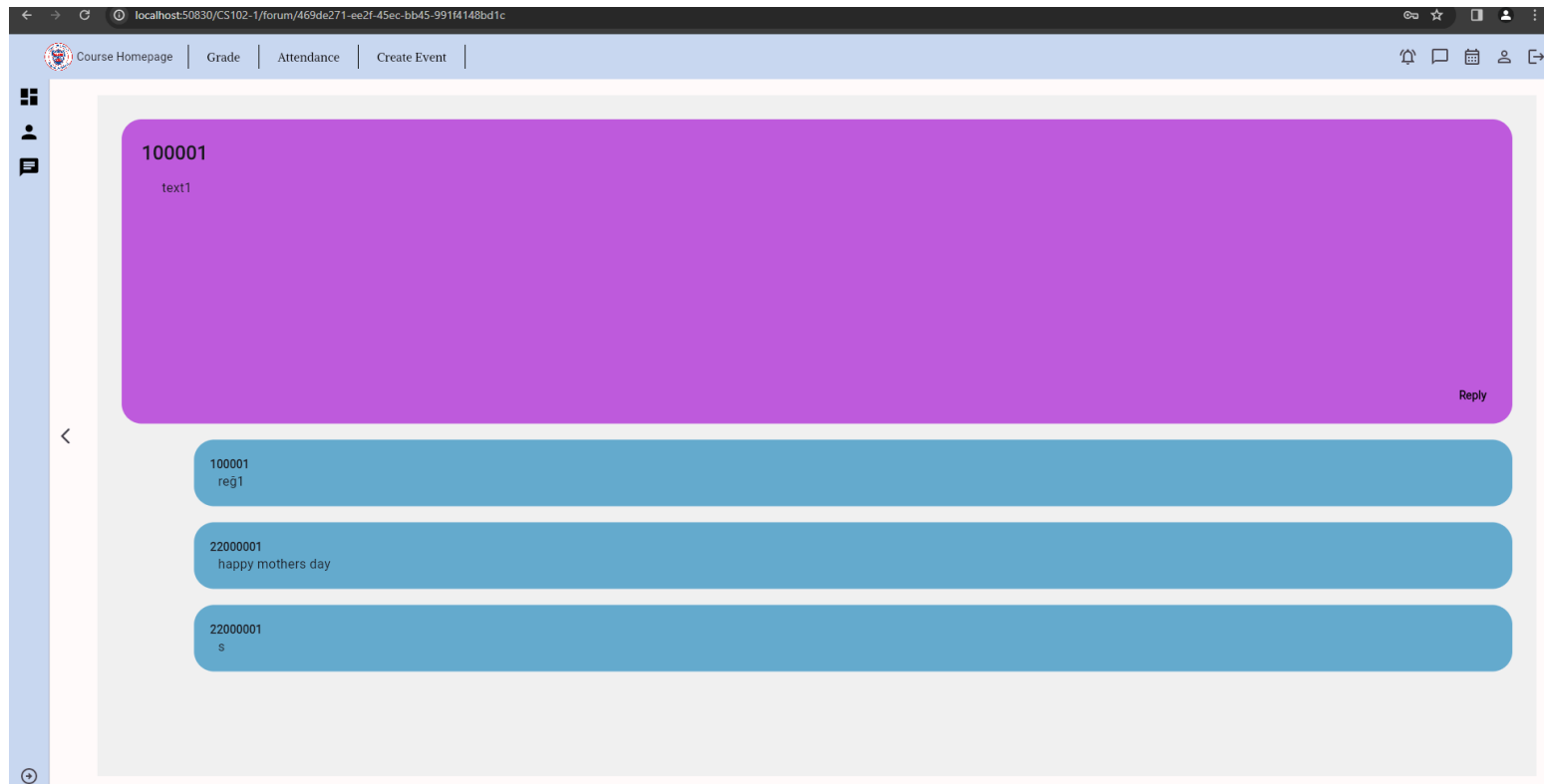
The Edit ABET Page empowers instructors to modify the ABET information associated with the course. Instructors can access this page to update or refine the course's alignment with ABET accreditation standards, ensuring accuracy and relevance. This feature enables instructors to reflect changes in curriculum, learning objectives, or industry requirements, thereby maintaining compliance with accreditation guidelines and enhancing the quality of the educational experience.

17. View Forums Page



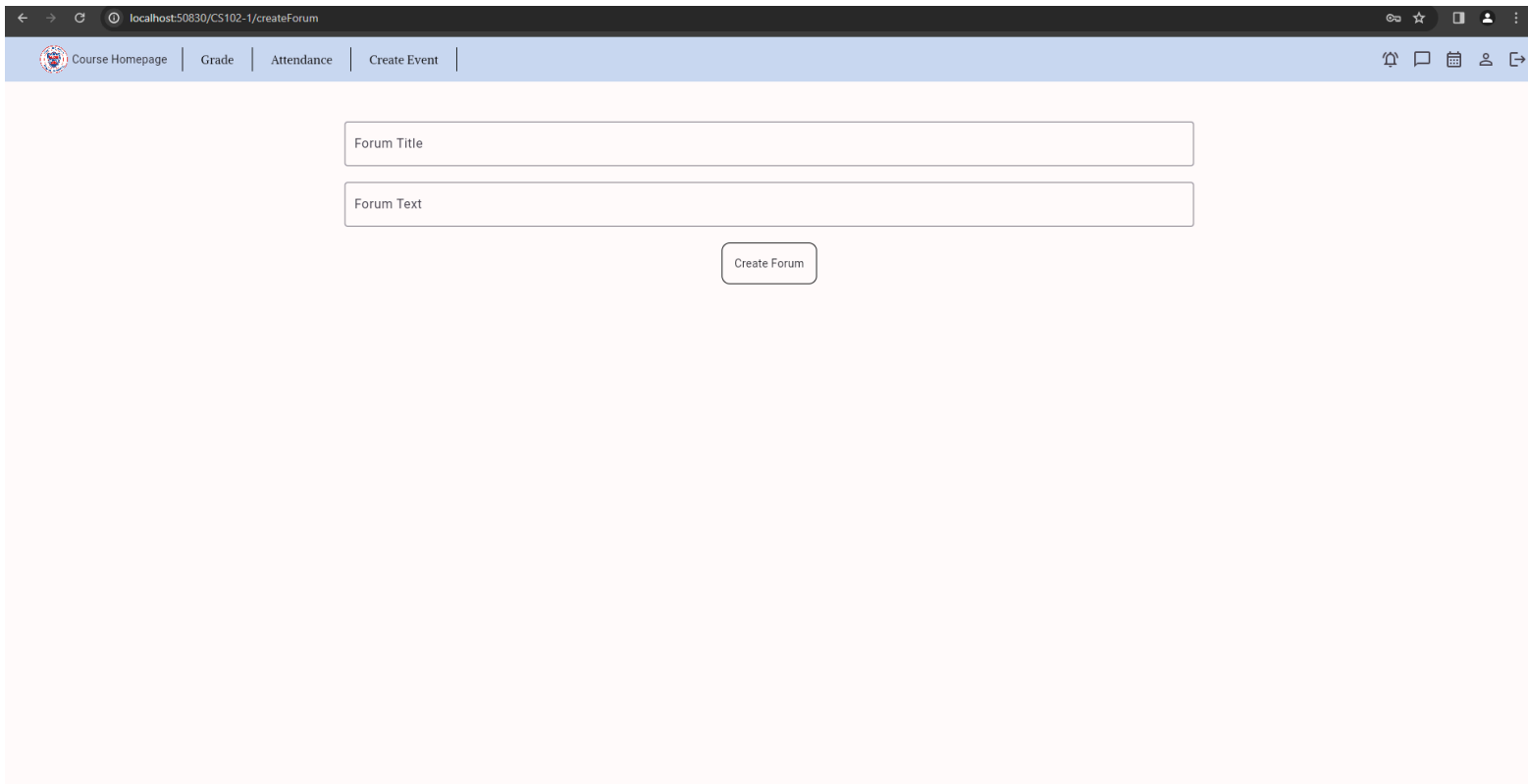
The View Forums Page is a centralized platform where users can access and participate in various forums related to their courses or interests. Users can explore existing forums, review ongoing discussions, and join conversations that align with their preferences or academic needs. This page fosters collaboration, knowledge sharing, and community engagement, empowering users to connect with peers and contribute to meaningful dialogue within the learning environment. Also, when they click on a forum, they can see the details regarding the forum.

18. Forum Details Page



The Forum Replies Page provides users an interactive platform to engage in discussions by viewing and responding to forum posts. Users can access this page's replies to forum threads, allowing them to stay updated on ongoing conversations and contribute their perspectives. Additionally, users can compose and submit their replies, fostering active participation and collaborative learning within the forum community.

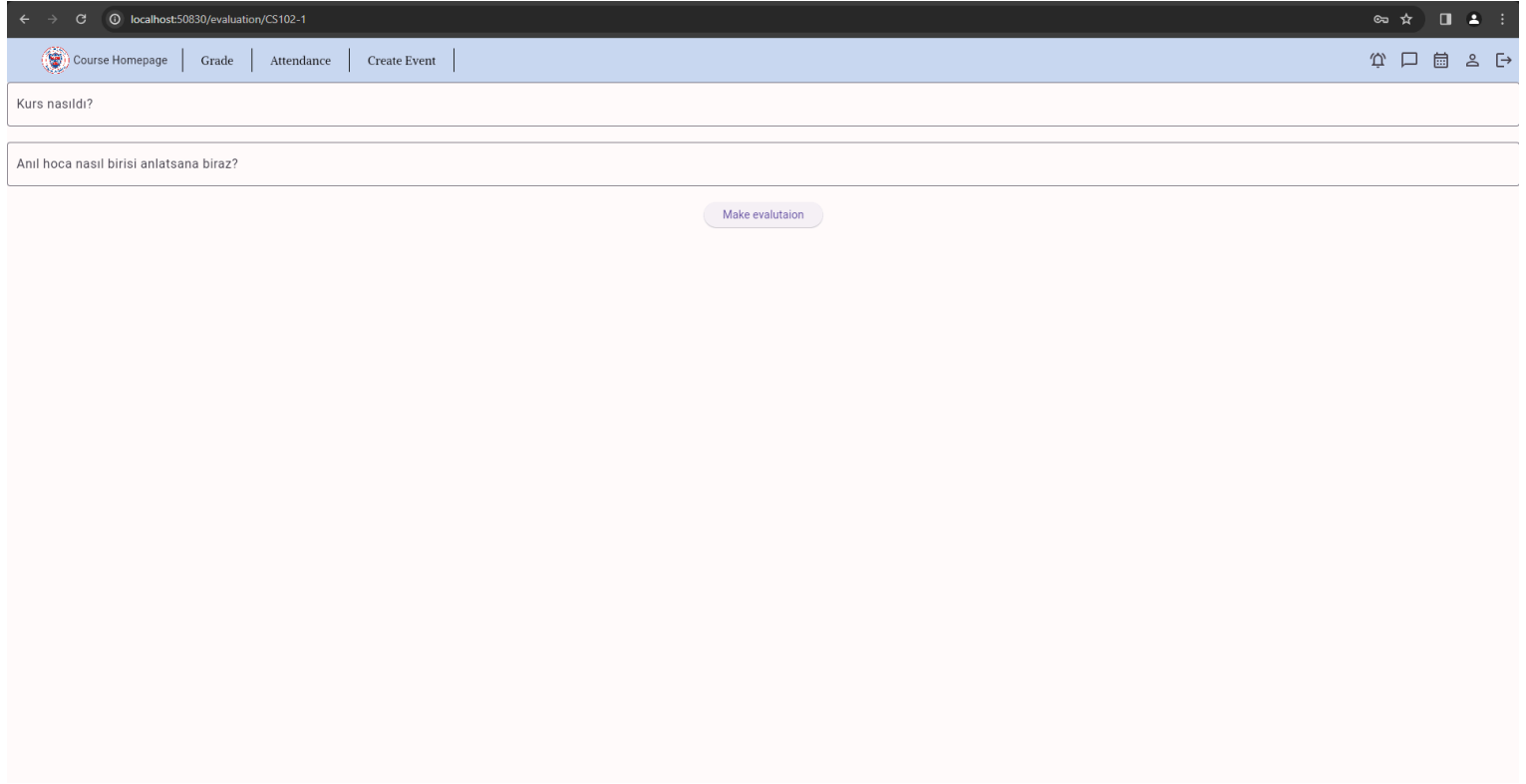
19. Create Forum Page



The screenshot shows a web browser window with the address bar displaying 'localhost:50830/CS102-1/createForum'. The browser's top navigation bar is light blue and contains a logo on the left, followed by links: 'Course Homepage', 'Grade', 'Attendance', and 'Create Event'. On the right side of the navigation bar are icons for notifications, comments, calendar, user profile, and a share icon. The main content area has a light pink background and contains a form with two text input fields. The first field is labeled 'Forum Title' and the second is labeled 'Forum Text'. Below these fields is a rounded rectangular button labeled 'Create Forum'.

The Create Forum Page empowers users to initiate new discussions by setting the forum title and composing the forum text. Here, users have the autonomy to craft topics of interest, providing a platform for sharing insights, asking questions, and fostering community engagement. This page encourages active participation and knowledge exchange among users within the learning environment by facilitating the creation of forums.

20. Make Evaluation Page



localhost:50830/evaluation/CS102-1

Course Homepage | Grade | Attendance | Create Event

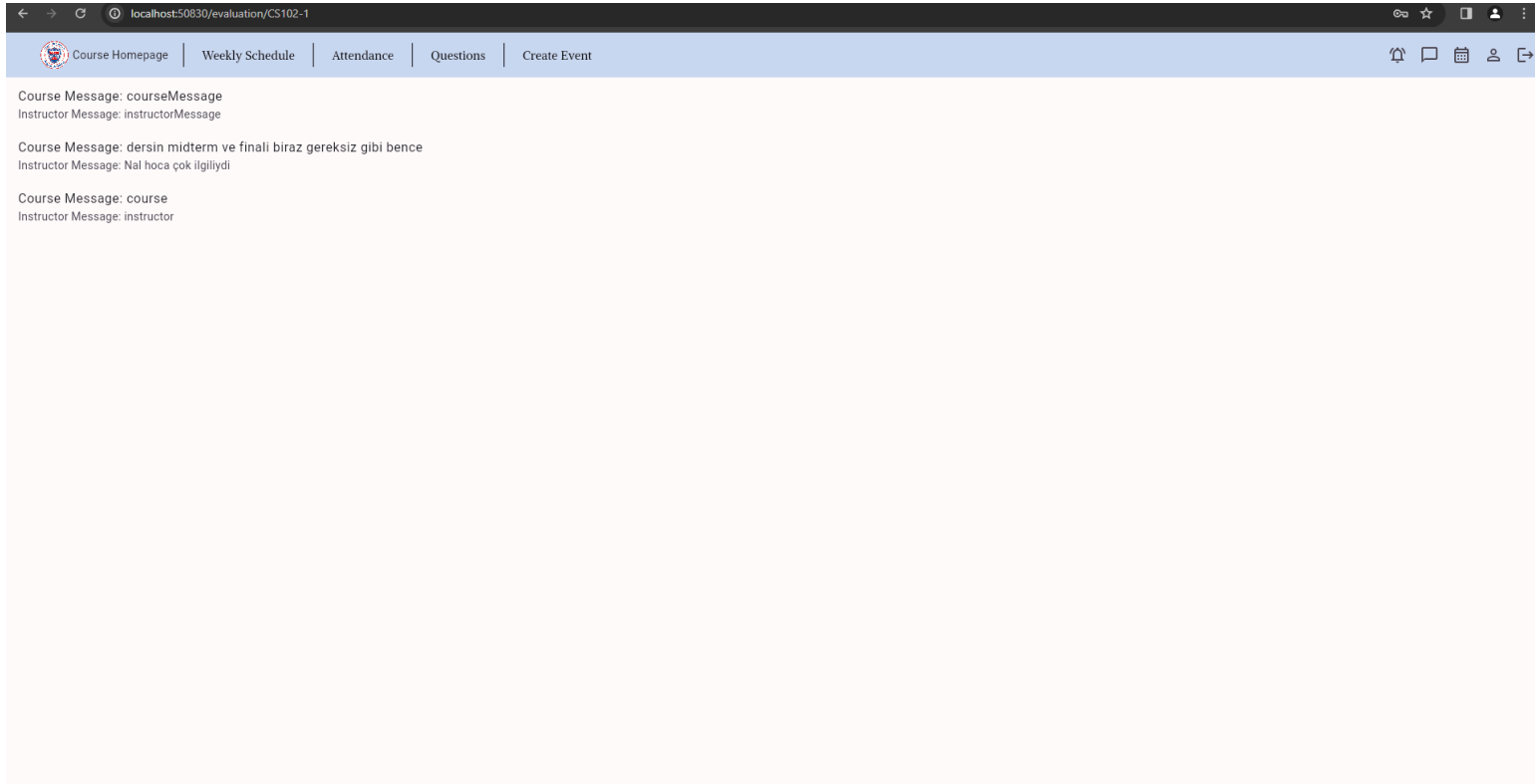
Kurs nasıldı?

Anil hoca nasıl birisi anlatsana biraz?

Make evalutaion

The Evaluation page in Pool facilitates students' comprehensive assessments of courses and instructors. Users can provide detailed feedback on their learning experience through this platform, including course content, teaching methodologies, communication effectiveness, and overall satisfaction. This feedback mechanism enables continuous improvement and ensures that courses and instructors align with the needs and expectations of students. Additionally, the Evaluation page supports anonymous submissions to encourage candid feedback and foster a transparent evaluation process.

21. See Evaluation Page



The See Evaluation Page offers instructors valuable insights into student feedback and perceptions. Within this page, instructors can access evaluations that students have submitted about their teaching performance. By providing a transparent platform for viewing student assessments, this feature enables instructors to gather constructive feedback, identify areas for improvement, and enhance the overall teaching experience. The See Evaluation Page fosters a culture of continuous improvement and accountability within the educational environment.

22. Create Assignment Page

The screenshot shows a web application interface for creating an assignment. The browser address bar displays 'localhost:50830/createAssignment/CS102-1'. The top navigation bar includes links for 'Course Homepage', 'Weekly Schedule', 'Attendance', 'Questions', and 'Create Event'. On the left, a sidebar contains icons for a menu, user profile, and chat. The main content area is divided into several sections: 'Assignment Name' with a text input containing 'assignment 1'; 'Select Questions:' with two selected question tags, 'What is quicksort and how does it work?' and 'What is merge sort and how does it work?'; 'Select Deadline:' with a date input showing 'Deadline: 31-05-2024'; 'Enter Weights:' with two rows of question text and corresponding weight input fields (70 and 30); and a 'Create Assignment' button at the bottom center.

Question	Weight
What is quicksort and how does it work?	70
What is merge sort and how does it work?	30

The Create Assignment feature offers instructors a comprehensive platform to design assessments tailored to course objectives. Instructors can select questions from a database, customize the assignment by setting deadlines and assigning weights to individual questions, and then generate the assignment. This functionality streamlines the assessment creation process, allowing instructors to align assignments with course content and learning outcomes effectively.

23. Grade Assignment Page

The screenshot shows a web browser window with the URL `localhost:50830/instructor/assignment/CS102-1/02/grade`. The browser's address bar and tabs are visible. The page has a light blue header with navigation links: [Course Homepage](#), [Weekly Schedule](#), [Attendance](#), [Questions](#), and [Create Event](#). On the right side of the header, there are icons for notifications, chat, calendar, user profile, and a share icon.

The main content area is titled "Assignment : first assignment". It features a table with student information and a section for grading questions.

Student ID	Assignment Grade
22000001	Assignment Grade: Not Given
23000002	Assignment Grade: Not Given
23000003	Assignment Grade: Not Given
23000004	Assignment Grade: Not Given

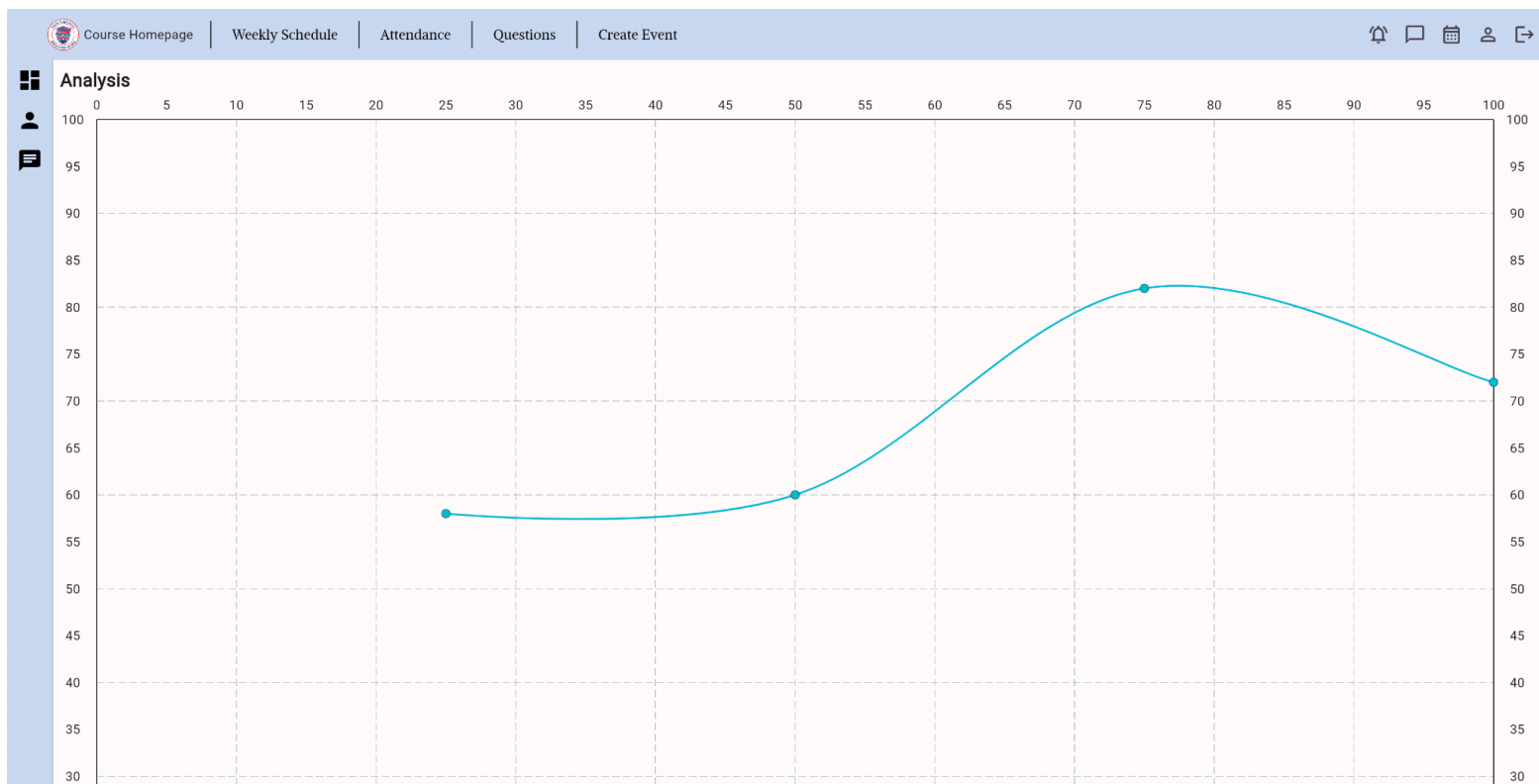
Below the table, there are two sections for grading questions:

- Question 1 Point (0-59)
- Question 2 Point (0-41)

A "Submit" button is located at the bottom right of the page.

The Grade Assignment page provides instructors with a systematic approach to evaluating student submissions. Here, instructors can select individual students and grade the questions within the assignment methodically. This feature allows instructors to provide comprehensive feedback and assessment, ensuring accuracy and consistency in grading practices. By offering a structured interface for grading, the Grade Assignment page enhances efficiency and transparency in the evaluation process.

24. Analysis Page



The Attendance & Final Grade Graph feature in Pool allows users to visualize the correlation between attendance records and final grades over a specified period. By plotting attendance data against final grades on a graph, users can identify trends, patterns, and potential correlations between attendance and academic performance. This graphical representation provides valuable insights for instructors and administrators to assess the impact of attendance on student success and make data-driven decisions to enhance teaching strategies and support mechanisms.

25. Question Homepage

The screenshot displays the 'Question Homepage' interface. On the left, there is a sidebar with navigation links: 'Course Homepage', 'Weekly Schedule', 'Attendance', 'Questions', and 'Create Event'. The main content area is divided into two sections. The left section contains search filters: 'Question ID', 'Select Term' (a dropdown menu), 'Course', 'Topics', a 'Search' button, and an 'Add Question' button. The right section displays a table of questions.

Question ID	Term	Courses	Topics
0000000001	[2024 Fall]	CS101	Variables, Programming Basics
0000000005	[2023 Spring, 2022 Fall]	HUM101	Mewing, Alpha
0000000006	[2024 Spring]	HUM101	Charming, Alpha
0000000002	[2021 Fall]	CS101	Array, Variables
0000000003	[2023 Fall]	CS102	Sorting, Algorithm
0000000004	[2021 Fall]	CS102	Sorting, Algorithm
0000000007	[2023 Fall]	CS201	Process, Program
0000000008	[2023 Fall]	CS201	Process, Program

The Question Homepage provides instructors a centralized platform to access the question database efficiently. Instructors can utilize various search parameters such as ID, term, course, and topics to streamline their search process and locate specific questions tailored to their instructional needs. This feature enhances accessibility and organization, enabling instructors to retrieve relevant questions promptly and effectively manage assessment content within the learning environment.

26. Create Question Page

The screenshot shows the 'Create Question' page in a web application. The browser address bar indicates the URL is `localhost:50830/instructor/question/create`. The header bar is light blue and contains navigation links: [Course Homepage](#), [Weekly Schedule](#), [Attendance](#), [Questions](#), and [Create Event](#). On the right side of the header are icons for notifications, chat, calendar, user profile, and a share icon. A sidebar on the left contains icons for a menu, user profile, and messages. The main content area is light pink and contains four input fields: a dropdown menu labeled 'Select', a text field labeled 'Question Header', a text field labeled 'Question Topics', and a text field labeled 'Question Text'. Below these fields is a 'Create Question' button and a back arrow icon.

The Create Question page in Pool enables instructors to generate questions for exams, quizzes, and assignments swiftly. It provides an intuitive interface for inputting question text, options, correct answers, and metadata. With easy organization and reuse capabilities, instructors can efficiently manage their question banks for various assessments.

27. Create Attendance Page

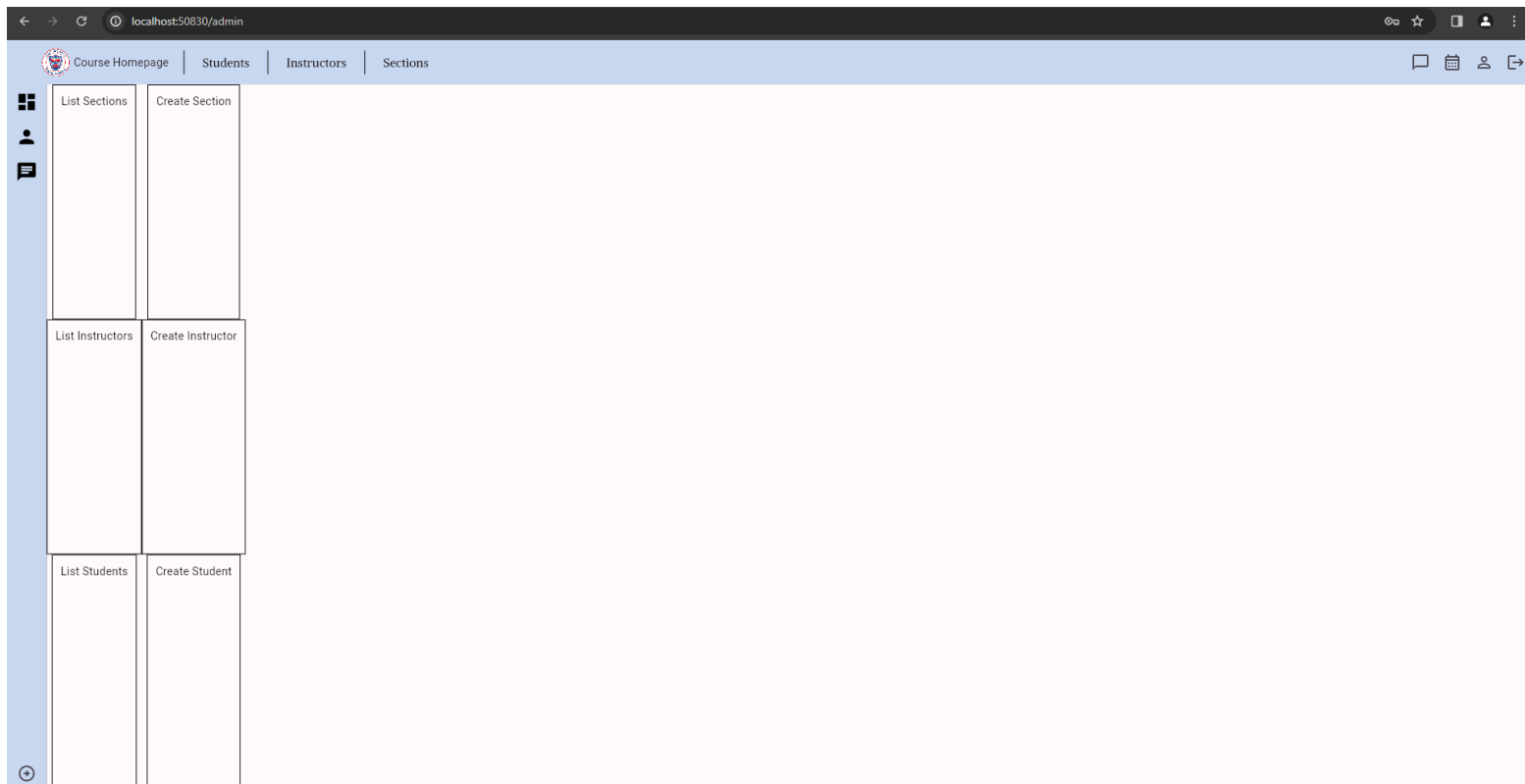
The screenshot shows a web application interface for creating attendance. The browser address bar indicates the URL is localhost:50830/instructor/give-attendance. The navigation bar includes links for Course Homepage, Weekly Schedule, Attendance, Questions, and Create Event. The main content area displays a table with student attendance records for course CS102.

Student ID	Present
22000001	<input type="checkbox"/>
23000002	<input checked="" type="checkbox"/>
23000003	<input checked="" type="checkbox"/>
23000004	<input type="checkbox"/>

Below the table, there is a 'Select Date' button and a 'Submit' button.

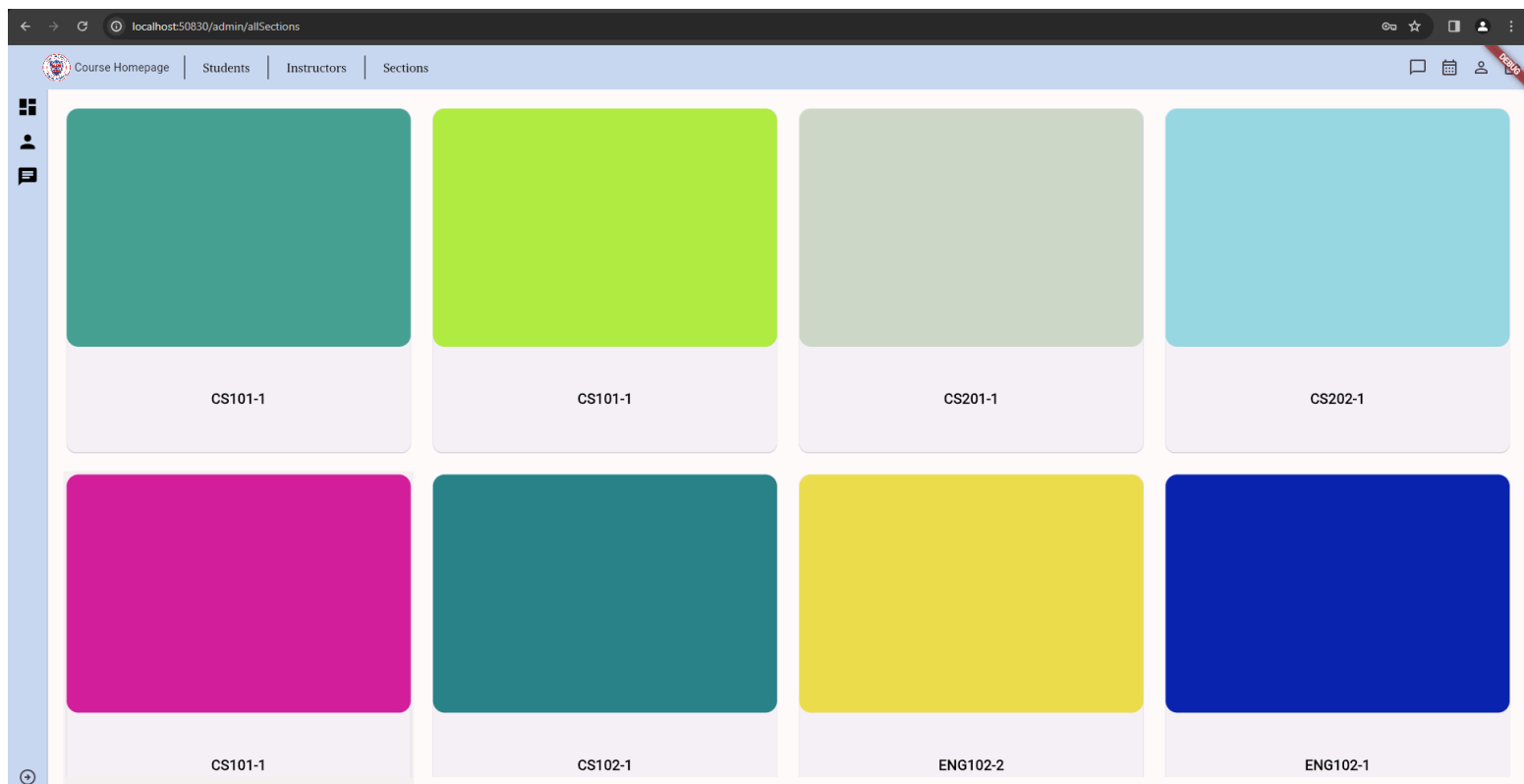
The Attendance page in Pool enables instructors to record and monitor student attendance quickly. It provides a user-friendly interface for marking attendance status and generating reports, streamlining the attendance management process.

28. Admin Homepage



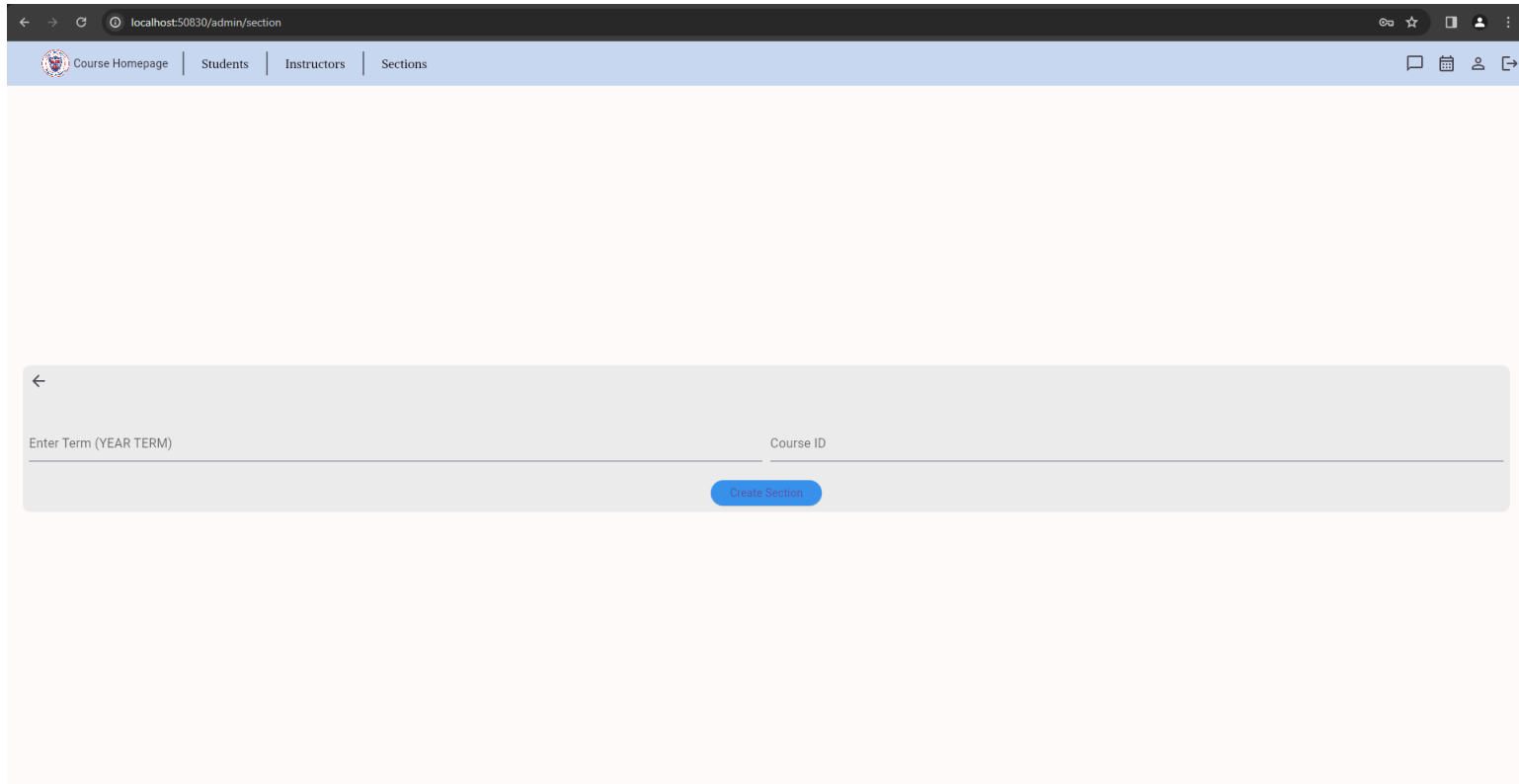
The Admin Homepage serves as a central hub for administrators to manage various aspects of the system. Administrators can list sections, instructors, and students, providing them with a comprehensive overview of the user base and course offerings. Additionally, administrators can create new sections, add instructors to the system, and enroll students, empowering them to facilitate the smooth operation of the platform. This feature streamlines administrative tasks, enhances user management, and ensures the system's efficient functioning.

29. View All Sections Page



The 'List All Sections' feature within the Admin Homepage enables administrators to view a comprehensive list of all sections offered within the system. This functionality gives administrators a detailed overview of the available courses, including course names, IDs, instructors, and enrollment status. By consolidating section data into a single accessible interface, administrators can efficiently monitor course offerings, track enrollment trends, and ensure accurate management of academic programs. Also, when they click on a section, they can see the details regarding that section, such as the section's forum and attendance.

30. Create Section Page



The screenshot shows a web browser window with the address bar displaying 'localhost:50830/admin/section'. The browser's top navigation bar includes a logo, 'Course Homepage', 'Students', 'Instructors', and 'Sections'. On the right side of the navigation bar are icons for chat, calendar, user profile, and a share icon. The main content area is a light gray form with a back arrow in the top left corner. The form contains two input fields: 'Enter Term (YEAR TERM)' and 'Course ID'. A blue 'Create Section' button is positioned below the 'Course ID' field.

The 'Create Section' feature empowers administrators to establish new course sections directly from this interface. By entering essential details such as the academic year and course ID, administrators can seamlessly generate new sections within the system. This functionality streamlines the course creation process, facilitating efficient management of educational offerings and ensuring timely availability of courses for enrollment.

31. View Instructors Page



ID	Name	Courses	Action
100001	Ahmed Kaya	[Java Programming II]	
100002	Scott Pilgrim	[Operating Systems II]	
100003	Kaya Su	[Ceza Hukuku]	
100004	Sylas McAfee	[Uluslararası Hukuk]	
100005	Tom & Jerry	[Humanity II]	
100006	Ricardo Talisca	[Calculus II]	
100007	Sung Syend	[English II]	

The 'List Instructor' page serves as a centralized hub for administrators to oversee and manage instructor profiles within the system. Administrators can access a comprehensive list detailing instructor information such as names, contact details, and assigned courses. This feature empowers administrators to efficiently monitor instructor allocation and teaching assignments, ensuring optimal staffing levels to fulfill the institution's educational objectives. Additionally, administrators can delete instructor profiles as necessary, allowing accurate and up-to-date records to be maintained within the system.

32. Create Instructor

The screenshot displays a web browser window at the URL `localhost:50830/admin/instructorCreate`. The browser's address bar and tabs are visible at the top. Below the browser window, a light blue navigation bar contains links for 'Course Homepage', 'Students', 'Instructors', and 'Sections'. To the right of these links are icons for chat, calendar, user profile, and a share icon. The main content area is a light gray form with a back arrow in the top left corner. The form contains the following fields:

- Instructor Name**: A section header for the name fields.
- Enter Name**: A text input field for the first name.
- Enter Middle Name**: A text input field for the middle name.
- Enter Surname**: A text input field for the last name.
- Department**: A section header for the department field.
- Enter Department**: A text input field for the department name.
- Create Instructor**: A blue button located at the bottom right of the form.

The 'Create Instructor' page offers administrators a streamlined process to add new instructors to the system. Administrators can efficiently create instructor profiles by entering essential details such as the instructor's name and department. This functionality facilitates effective management of faculty resources, ensuring accurate representation of instructors within the system and enabling seamless assignment of teaching responsibilities.

33. View All Student Page



ID	Name	Courses	Action
22000001	Maraz Ali	[CS202, MATH102]	 
22000002	Simp Son	[CS202, MATH102]	 
22000003	Lee Sang	[CS202, MATH102]	 
22000004	Joe Trump	[CS202, MATH102]	 
22000005	Jeffery Donalds	[LAW202, HUM102]	 
22000006	Ben Cohan	[LAW202, HUM102]	 
22000007	Blue Jeans	[LAW202, HUM102]	 
22000008	Berkay Isaac Ayçiçek	[LAW202, HUM102]	 
23000001	Abdurrahmani Bilal Kari	[CS102, ENG102]	 
23000002	Memduh Ahmed Tulus	[CS102, ENG102, CS202, MAT102]	 
23000003	Arda Yiğit Kirci	[CS102, ENG102]	 
23000004	Firat Sıtkı Gül	[CS102, ENG102]	 
23000005	Randy Rey Cena	[LAW102, ENG102]	 

The 'List Students' page provides administrators with a comprehensive overview of student profiles within the system. Administrators can access a list of all registered students, including essential details such as names, IDs, and enrollment status. This functionality empowers administrators to monitor student progress, edit variables such as contact information or enrollment status when necessary, and manage student records effectively. Additionally, administrators can delete student profiles as needed, ensuring accurate and up-to-date student data within the system.

34. Create Student Page

← localhost:50830/admin/studentCreate

Course Homepage | Students | Instructors | Sections

←

Student Name

Enter Name Enter Middle Name Enter Surname

Department

Enter Department

Create Student

The 'Create Student' page provides administrators a convenient interface to add new student profiles to the system. Administrators can input essential details such as the student's name and department, enabling the seamless creation of student records. This functionality streamlines the administrative process, allowing for efficient management of student enrollment and academic records. By offering a straightforward means to input student information, the 'Create Student' page facilitates the establishment of accurate and up-to-date student profiles within the system.