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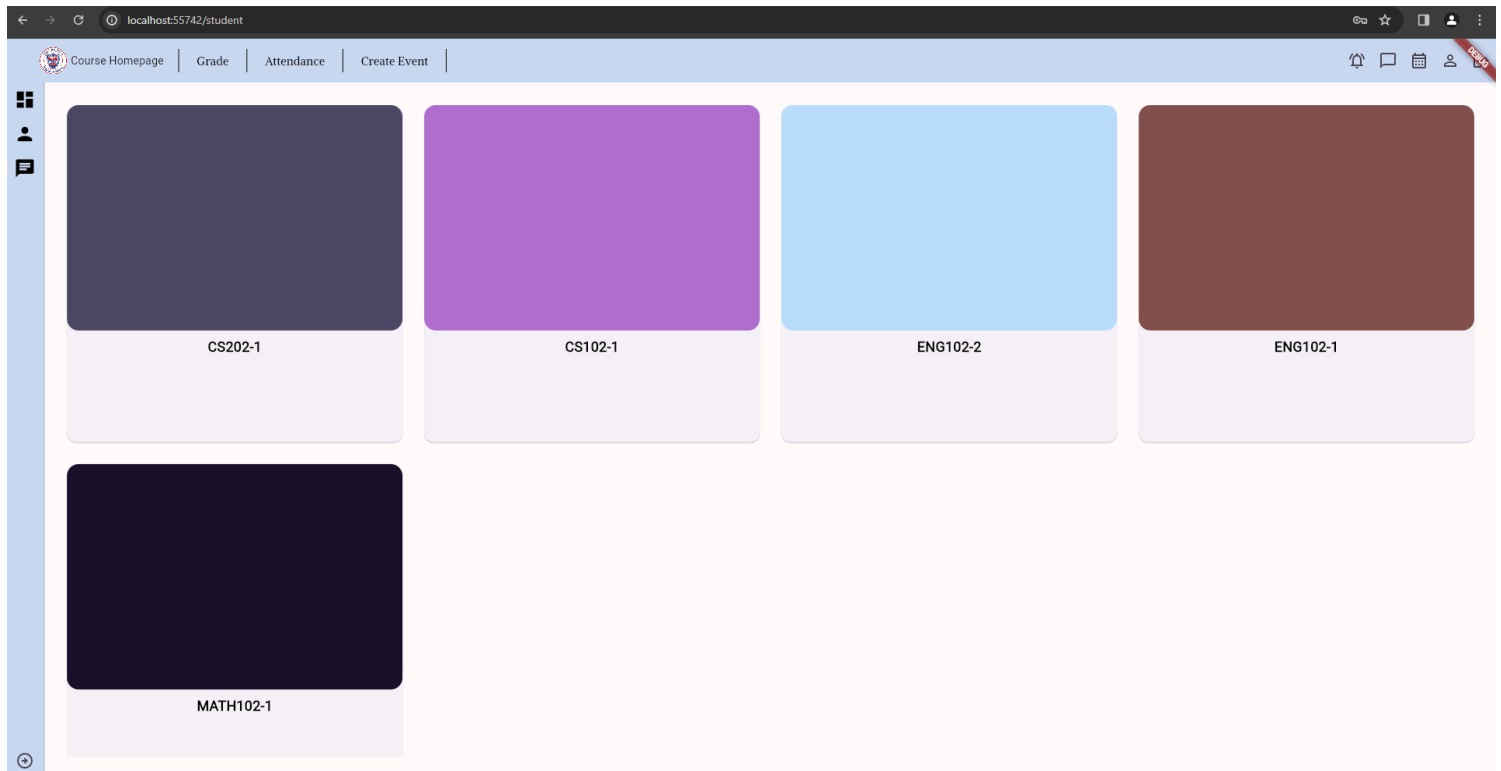
Students can conveniently view the sections they are enrolled in, facilitating easy access to relevant course materials and information tailored to their academic pursuits. They can go to their section details by clicking on that section's card.

5. View Grade Page

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

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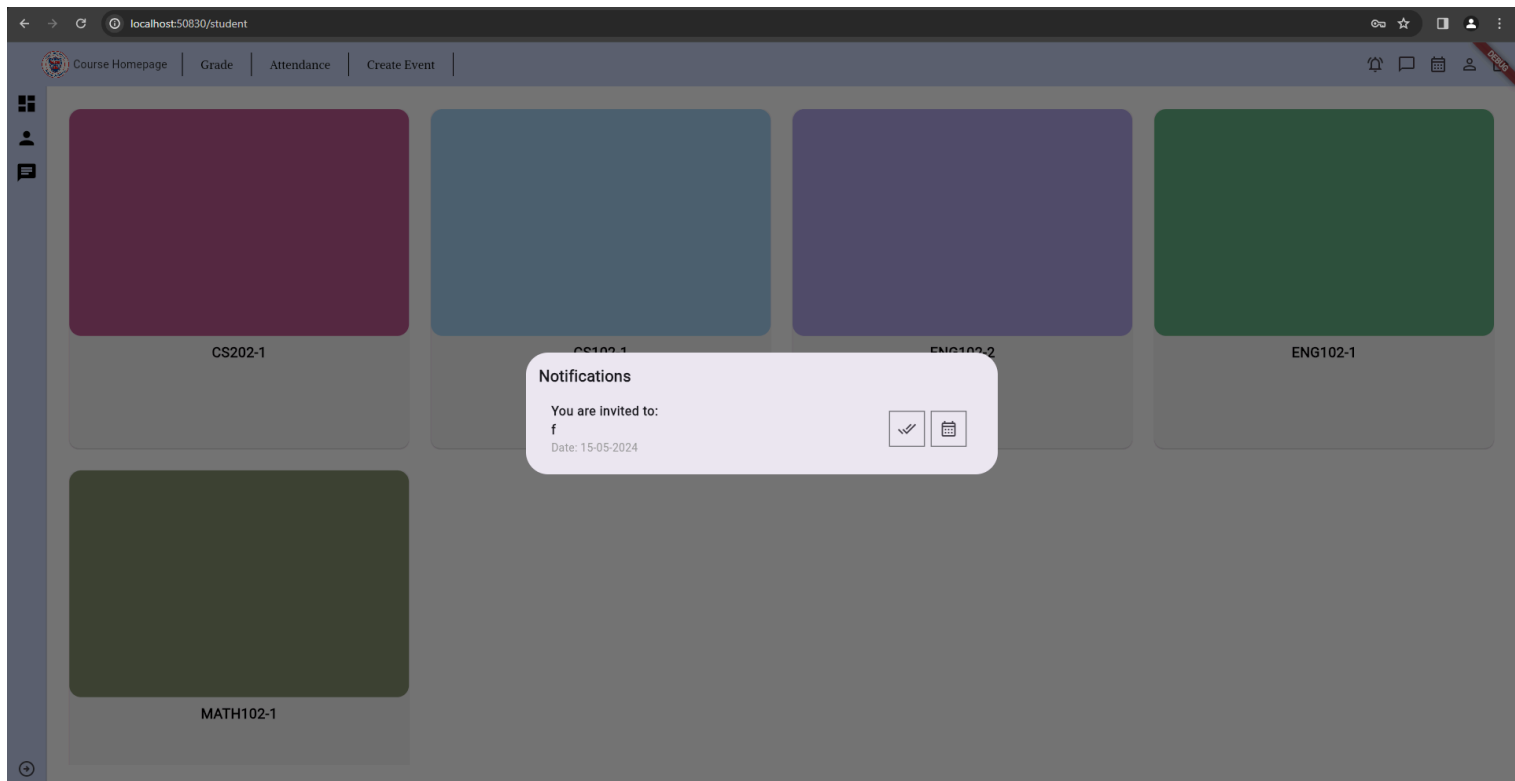
Users are presented with event-related notifications in this section, allowing them to stay updated on important events or announcements. They can conveniently dismiss these notifications once they have been acknowledged or addressed using the mark as read button. The calendar button directs the user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

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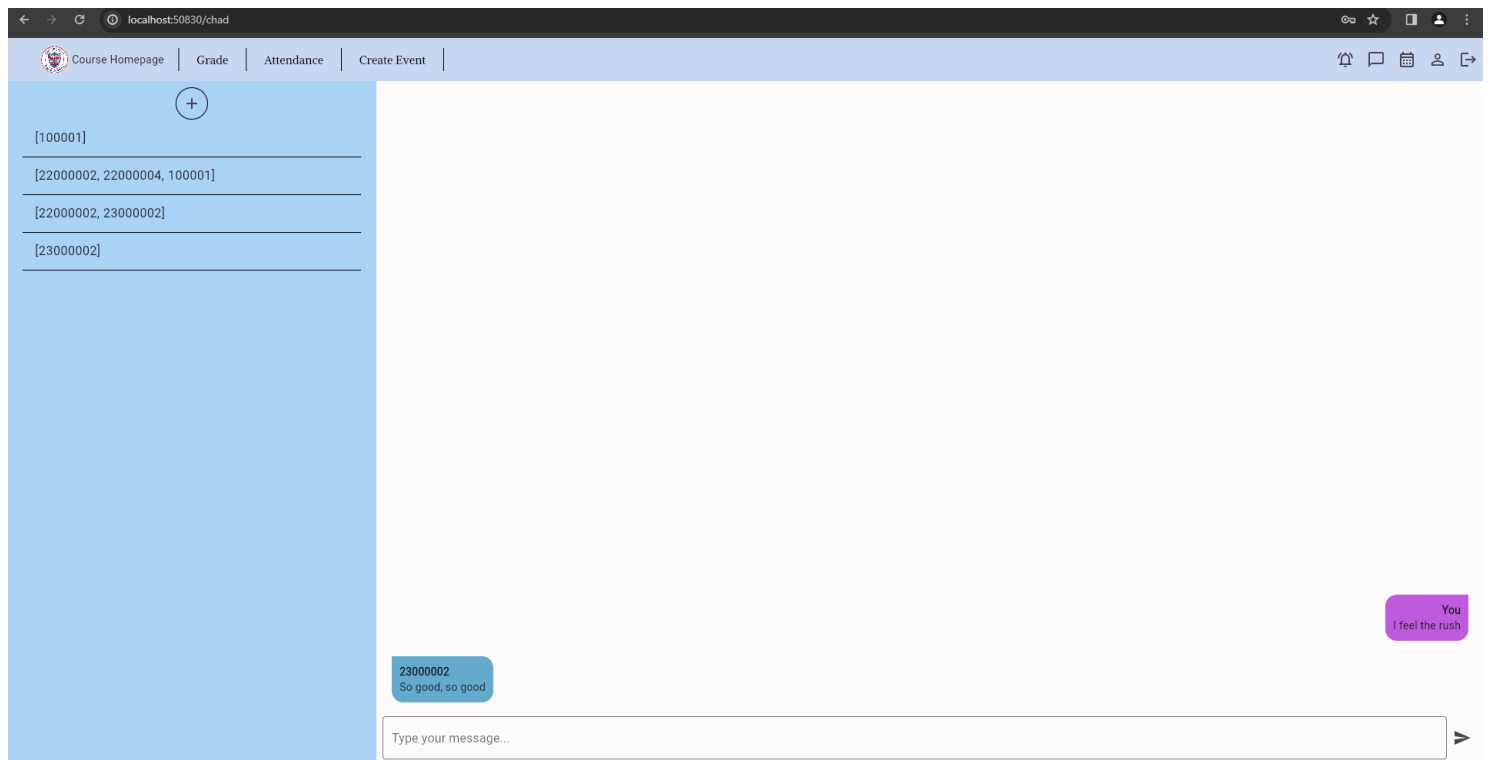
The chat homepage serves as a central hub for users to communicate with other individuals within the system, fostering collaboration, discussion, and support among peers. They can create a new chat by clicking on the plus icon at the top of the contacts list.

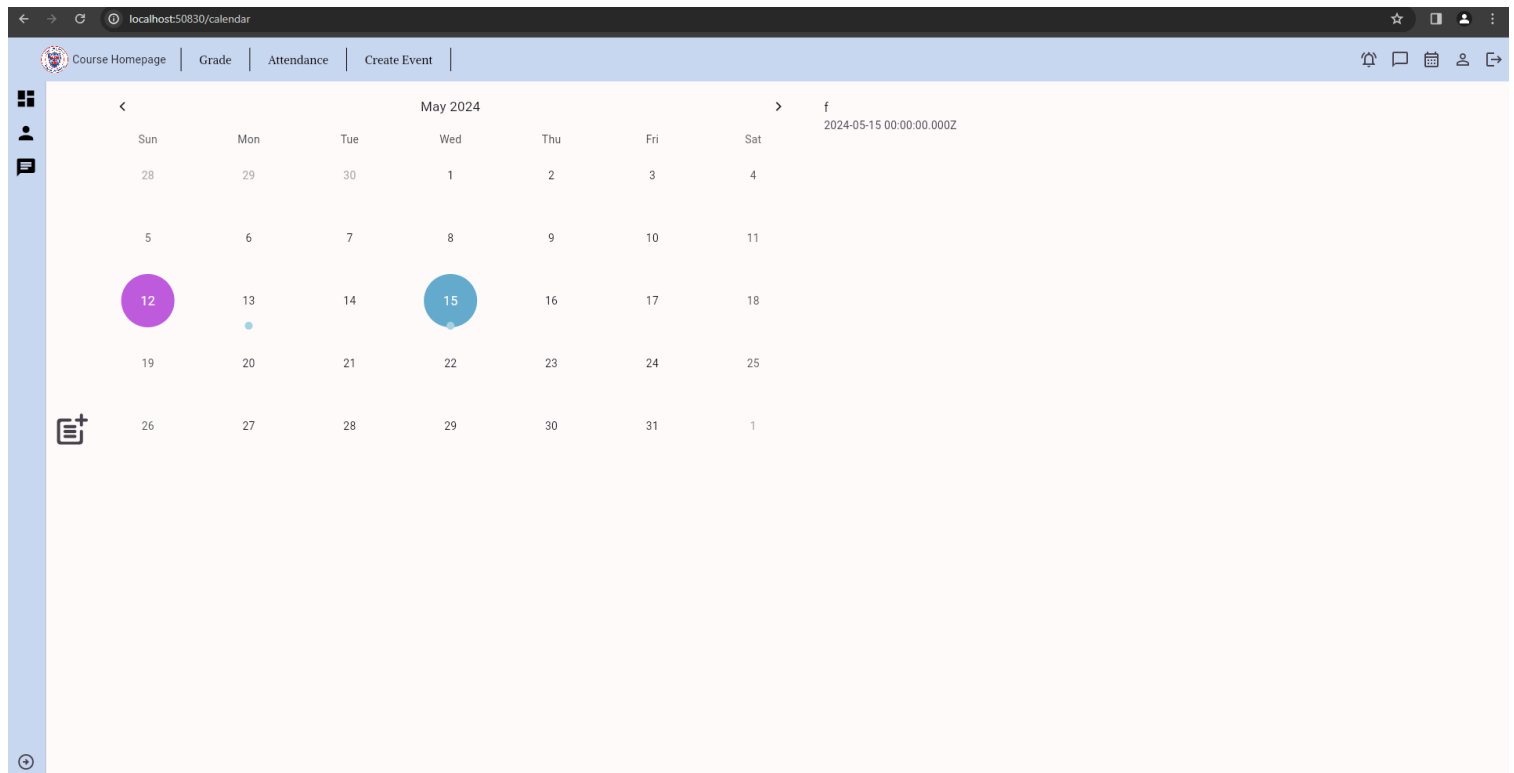## 9. Create Contact Page

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

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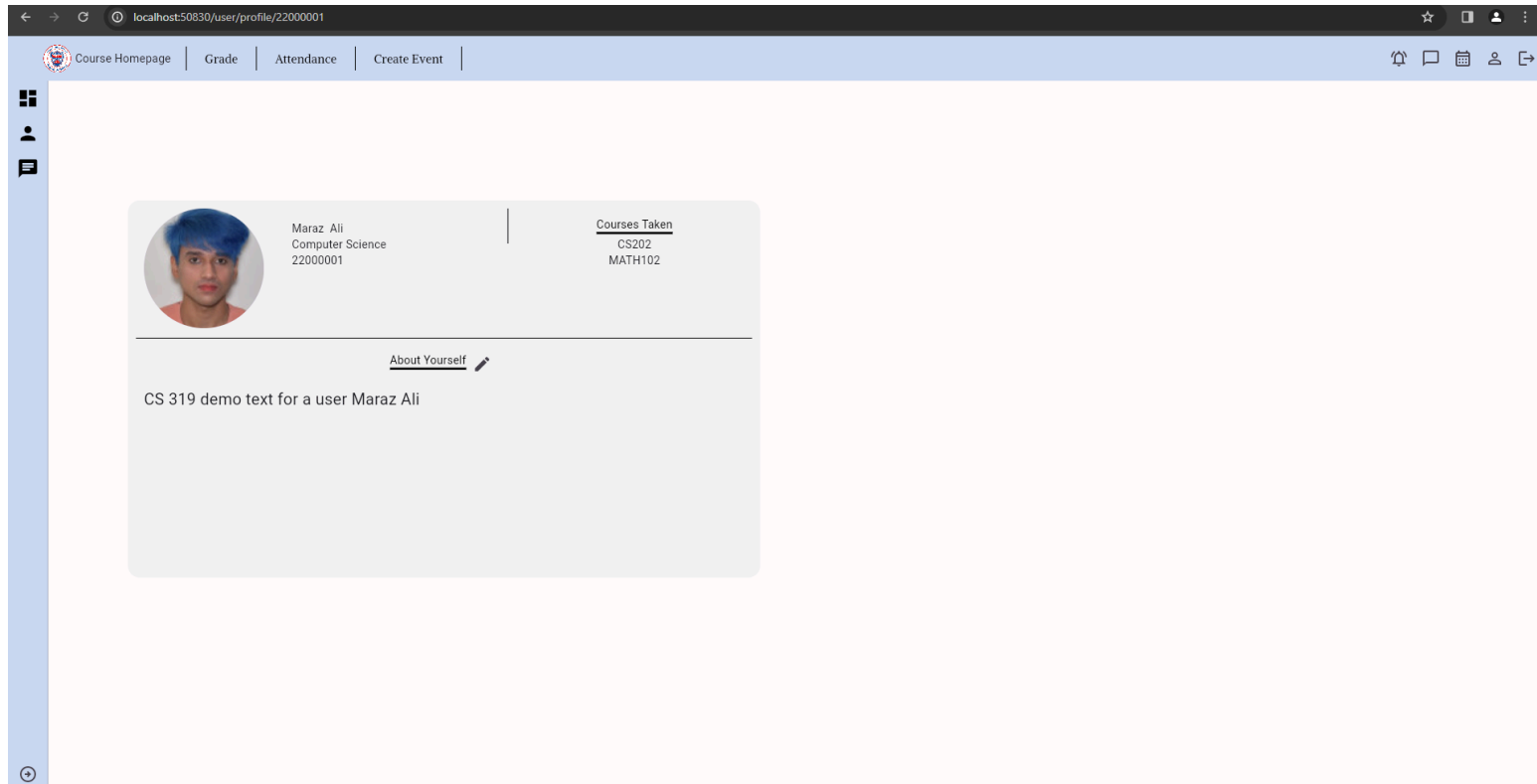
The User Profile Page is a comprehensive platform where users can access their profiles or explore profiles of other users within the system. Each profile prominently displays the user's unique identifier, along with customizable sections allowing individuals to provide brief descriptions about themselves,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

13. Student Section Details Page
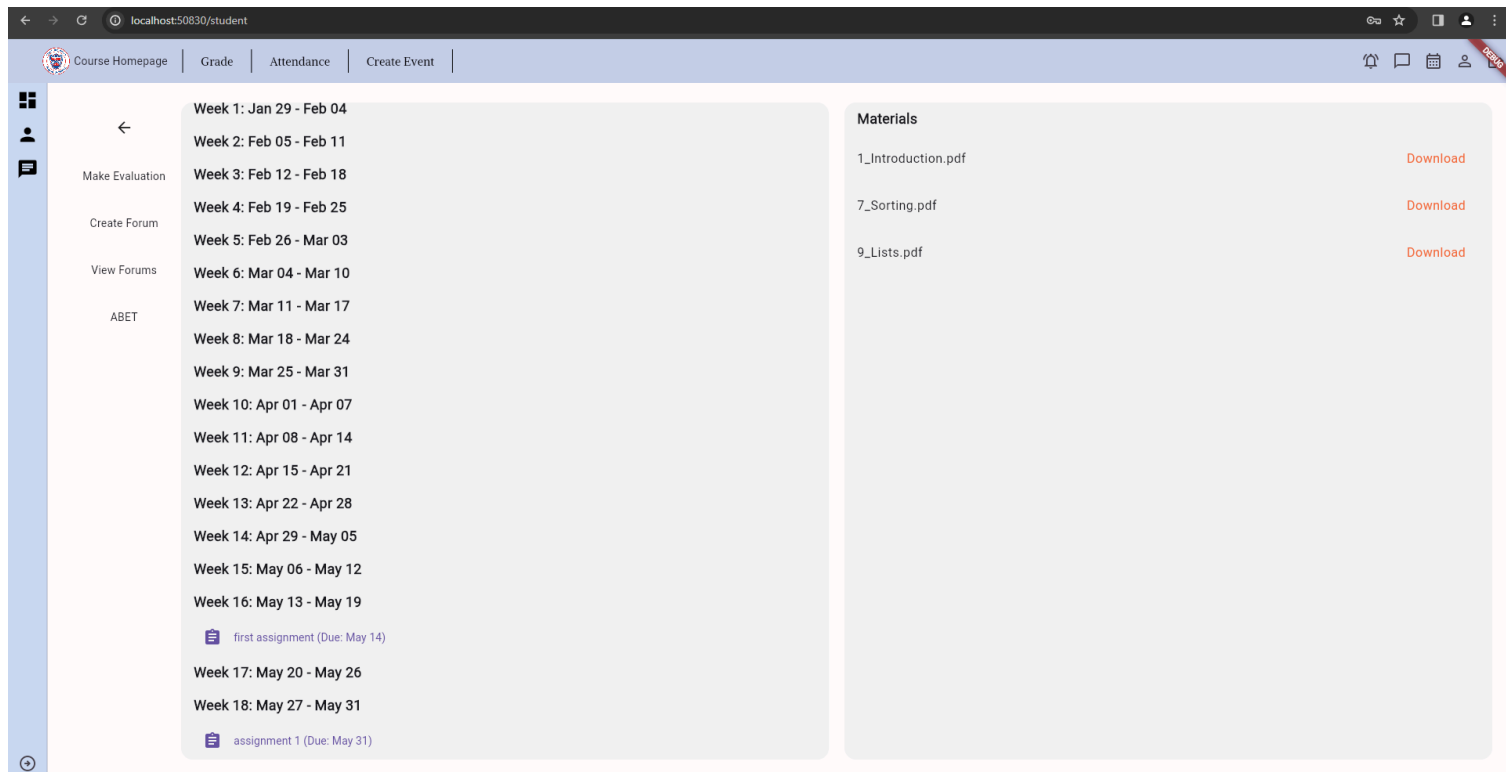
The Section Details Page offers students a comprehensive overview of their enrolled sections, enabling access to materials provided by instructors for download. Additionally, students can give evaluations on the instructor, fostering feedback and improvement. The platform also facilitates forum creation 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
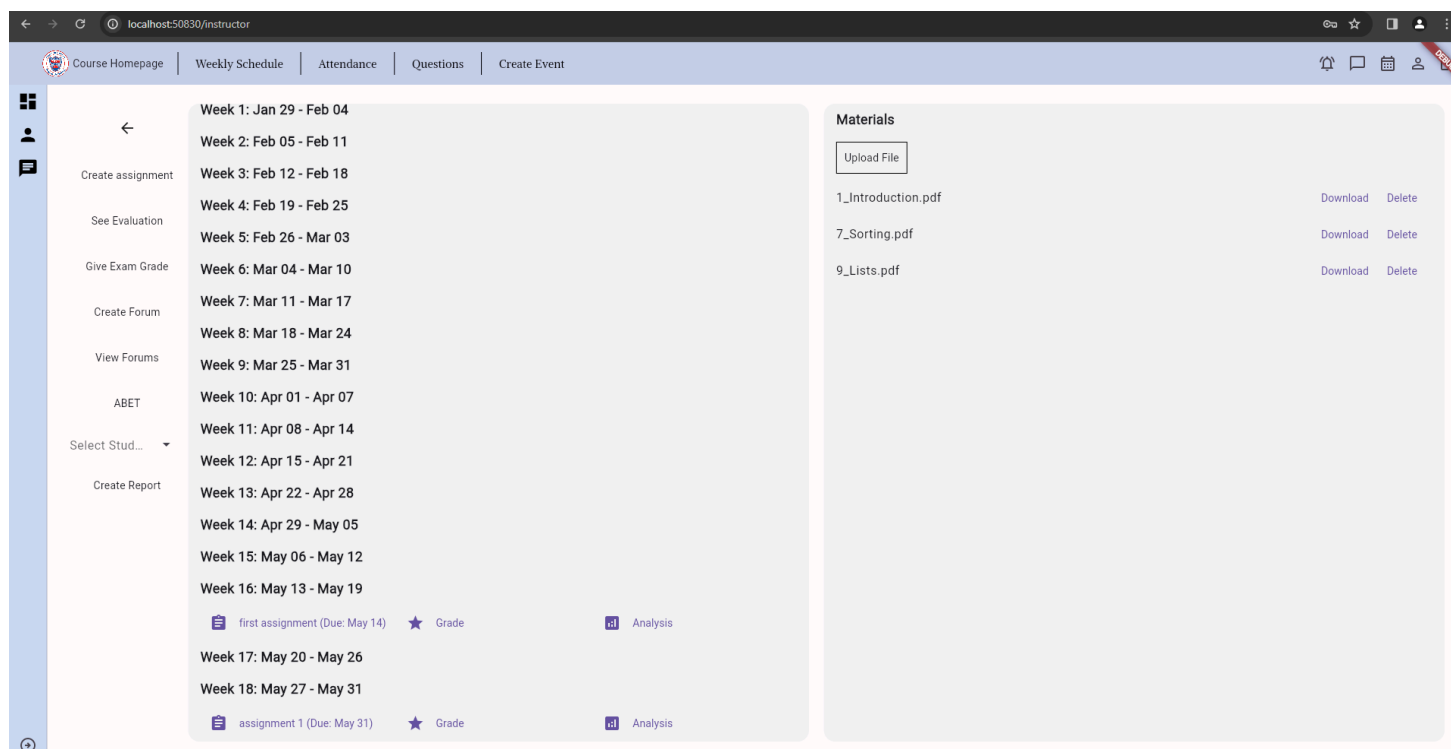
Instructors have extensive capabilities within the Section Details Page, allowing them to manage course materials by uploading and deleting them as needed. They can also access assignments and grade submissions and perform in-depth analyses to track student progress effectively. Moreover, instructors 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
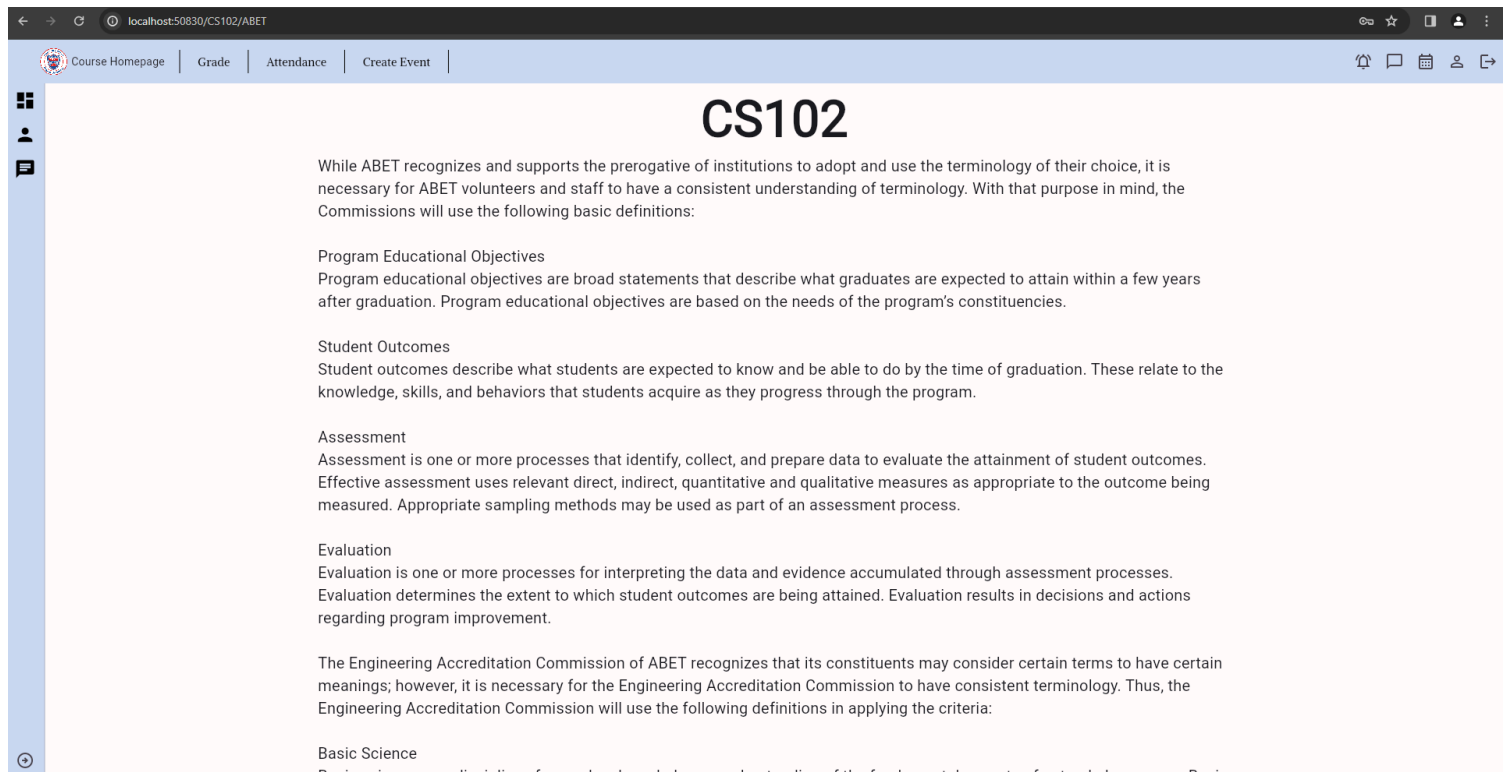
The ABET Information Page comprehensively details the course's alignment with ABET accreditation standards. Here, users can access vital information about how the course objectives and outcomes adhere to ABET criteria, ensuring transparency and compliance with accreditation requirements. This page serves 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 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.
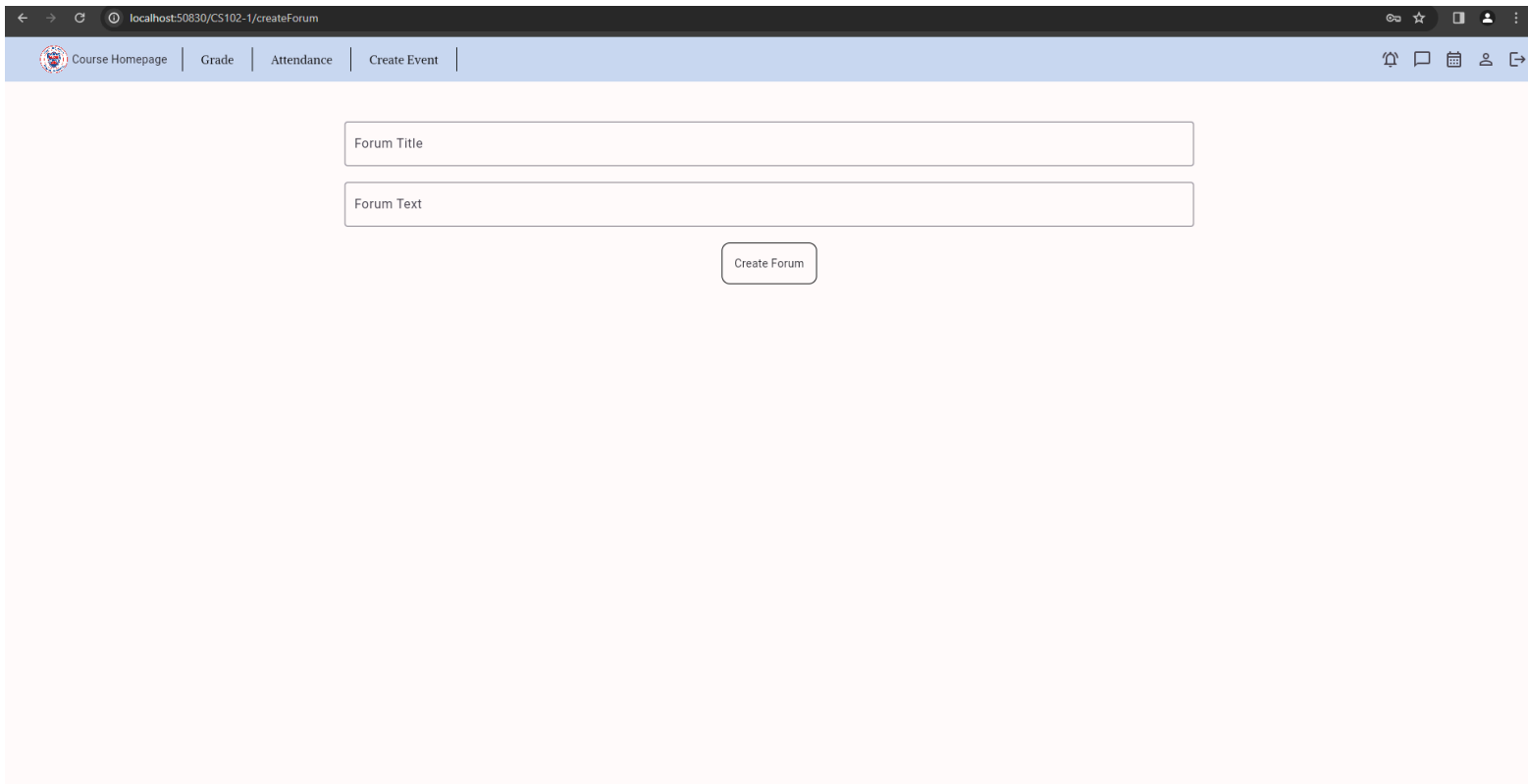
17.   View Forums Page
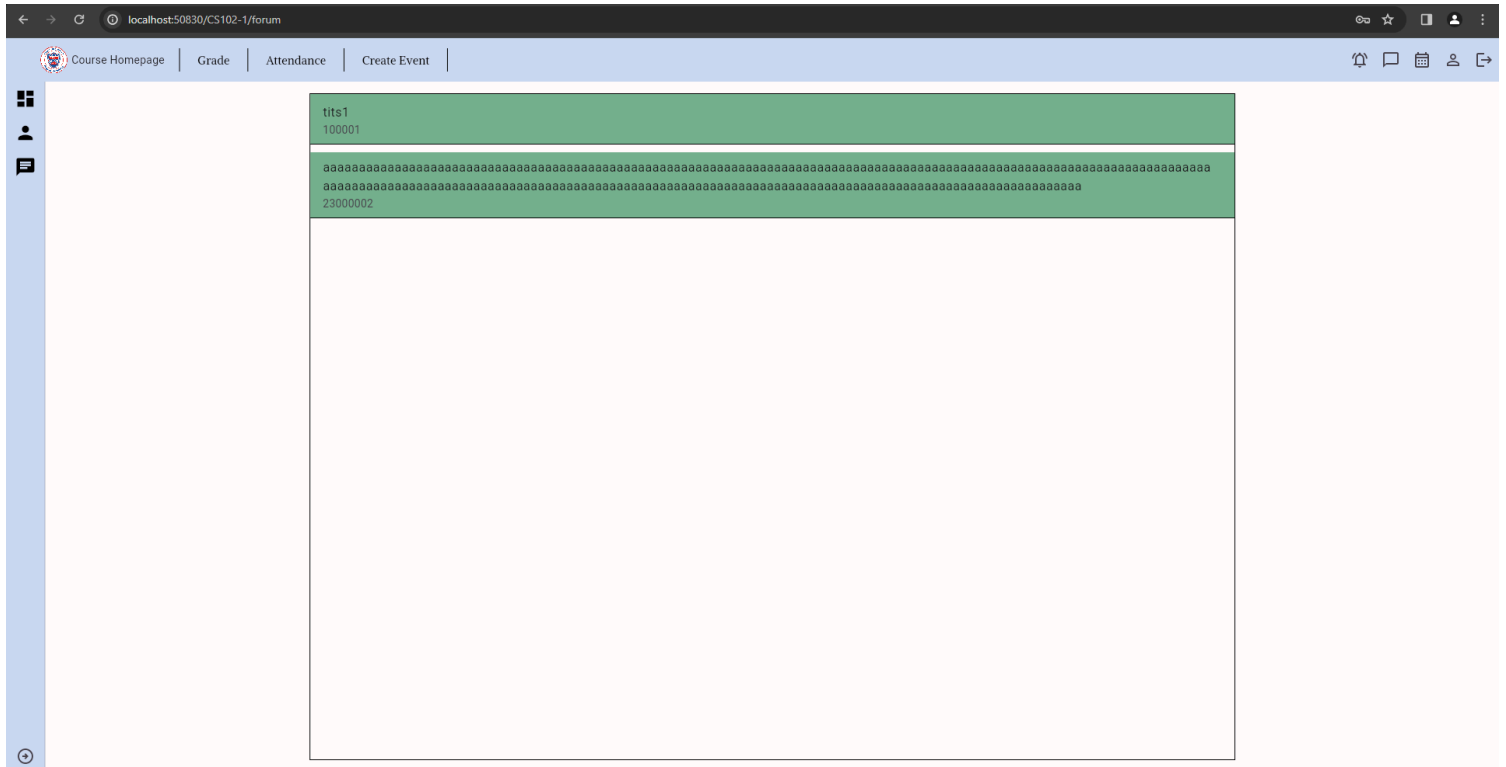
The View Forums Page is a centralized platform where users can access and participate in various forums related to their courses or interests. Users can explore existing forums, review ongoing discussions, and join conversations that align with their preferences or academic needs. This page fosters collaboration, 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
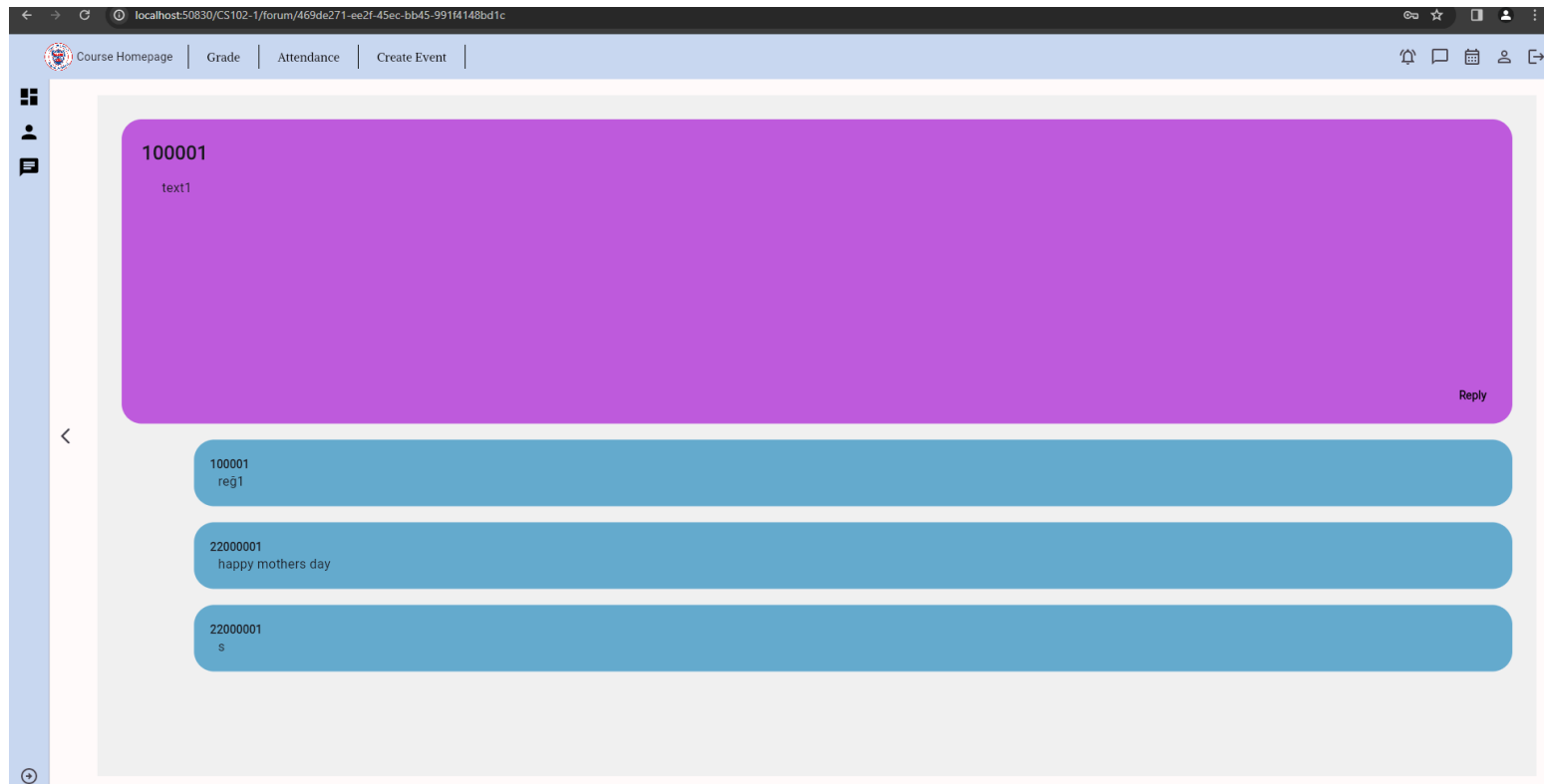
The Forum Replies Page provides users an interactive platform to engage in discussions by viewing and responding to forum posts. Users can access this page's replies to forum threads, allowing them to stay updated on ongoing conversations and contribute their perspectives. Additionally, users can compose and submit their replies, fostering active participation and collaborative learning within the forum community.
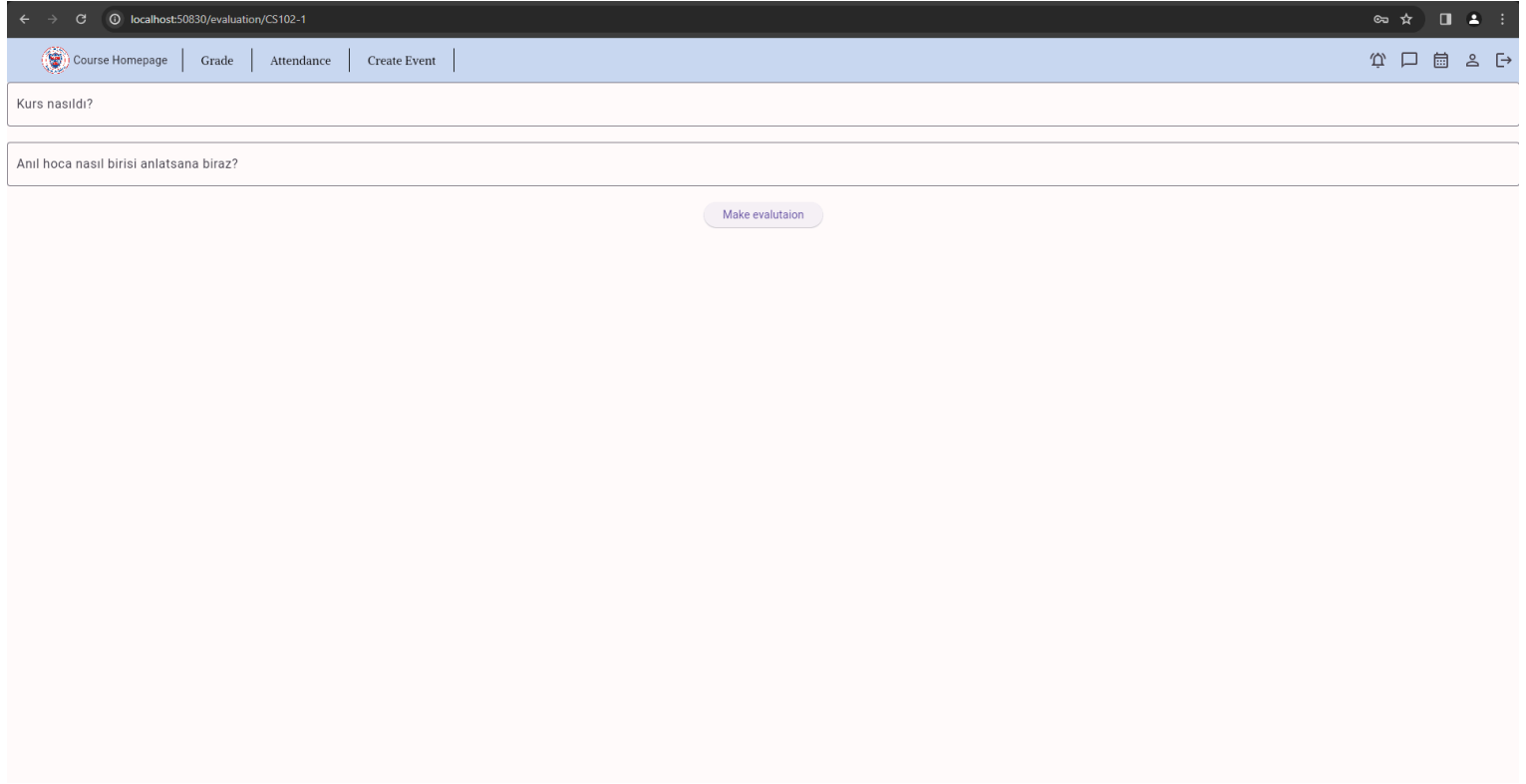
19.   Create Forum Page

The 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

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
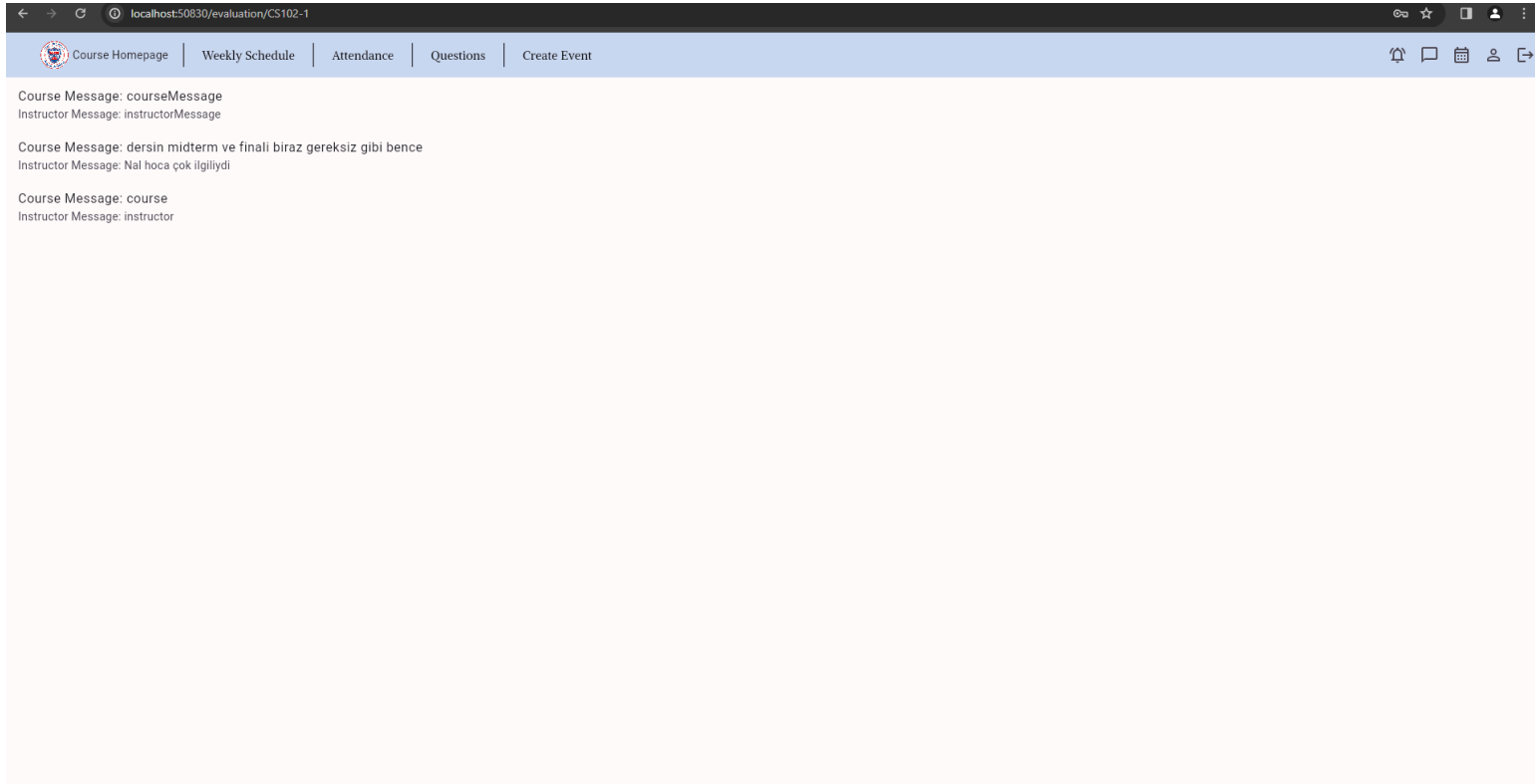
The See Evaluation Page offers instructors valuable insights into student feedback and perceptions. Within this page, instructors can access evaluations that students have submitted about their teaching performance. By providing a transparent platform for viewing student assessments, this feature enables 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 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 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
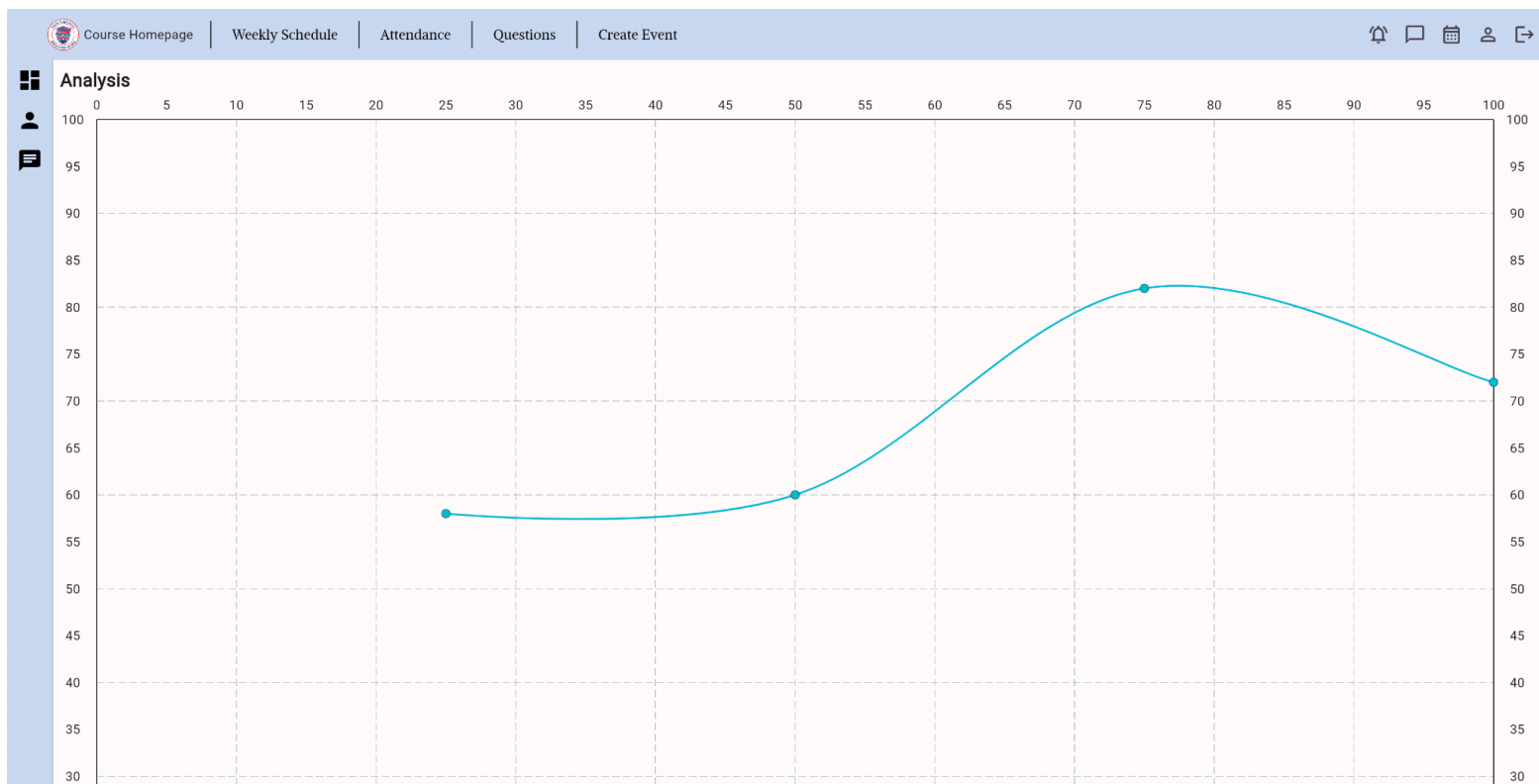
The Attendance & Final Grade Graph feature in Pool allows users to visualize the correlation between attendance records and final grades over a specified period. By plotting attendance data against final grades on a graph, users can identify trends, patterns, and potential correlations between attendance 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 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 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.
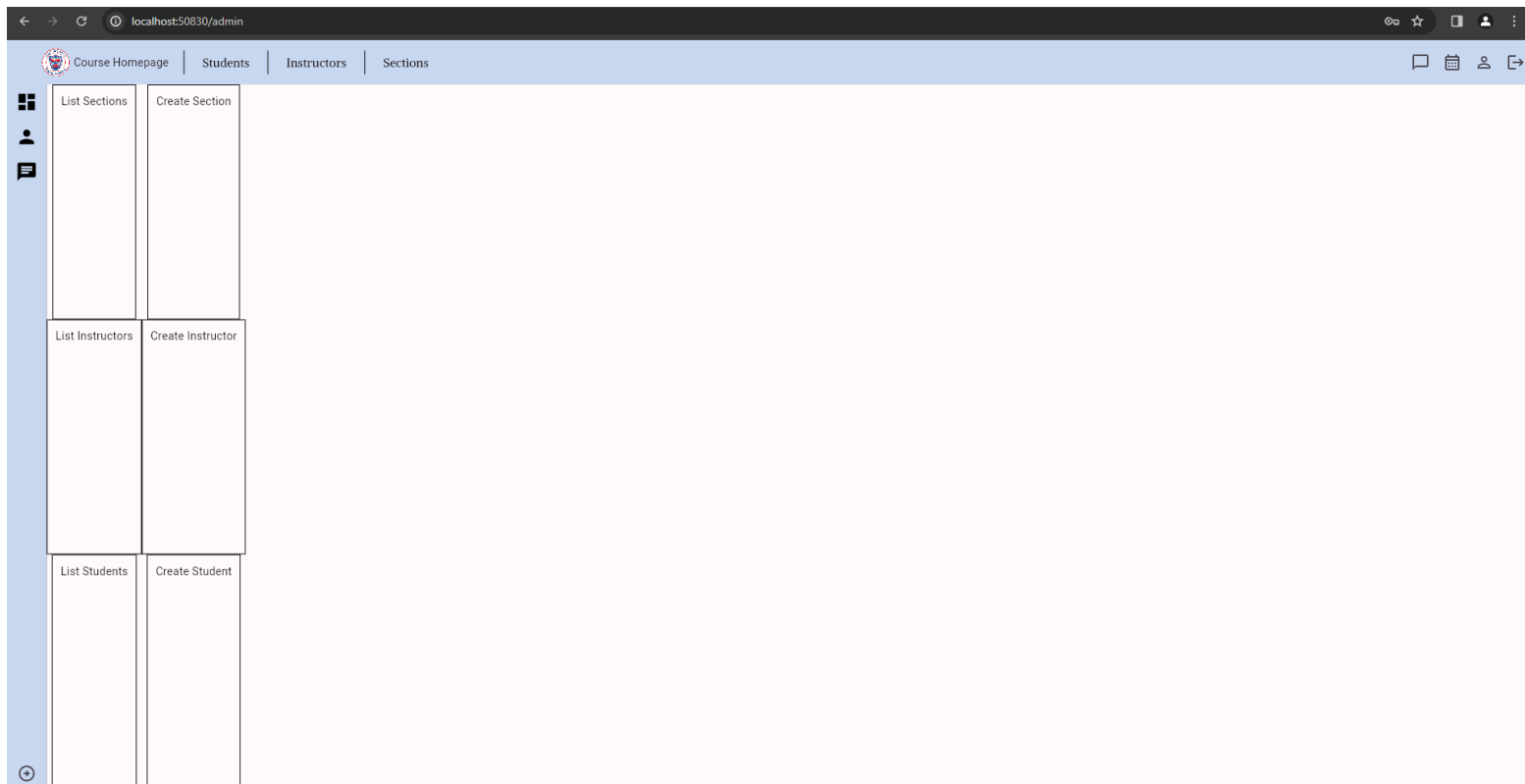
27.   Create Attendance Page

The 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
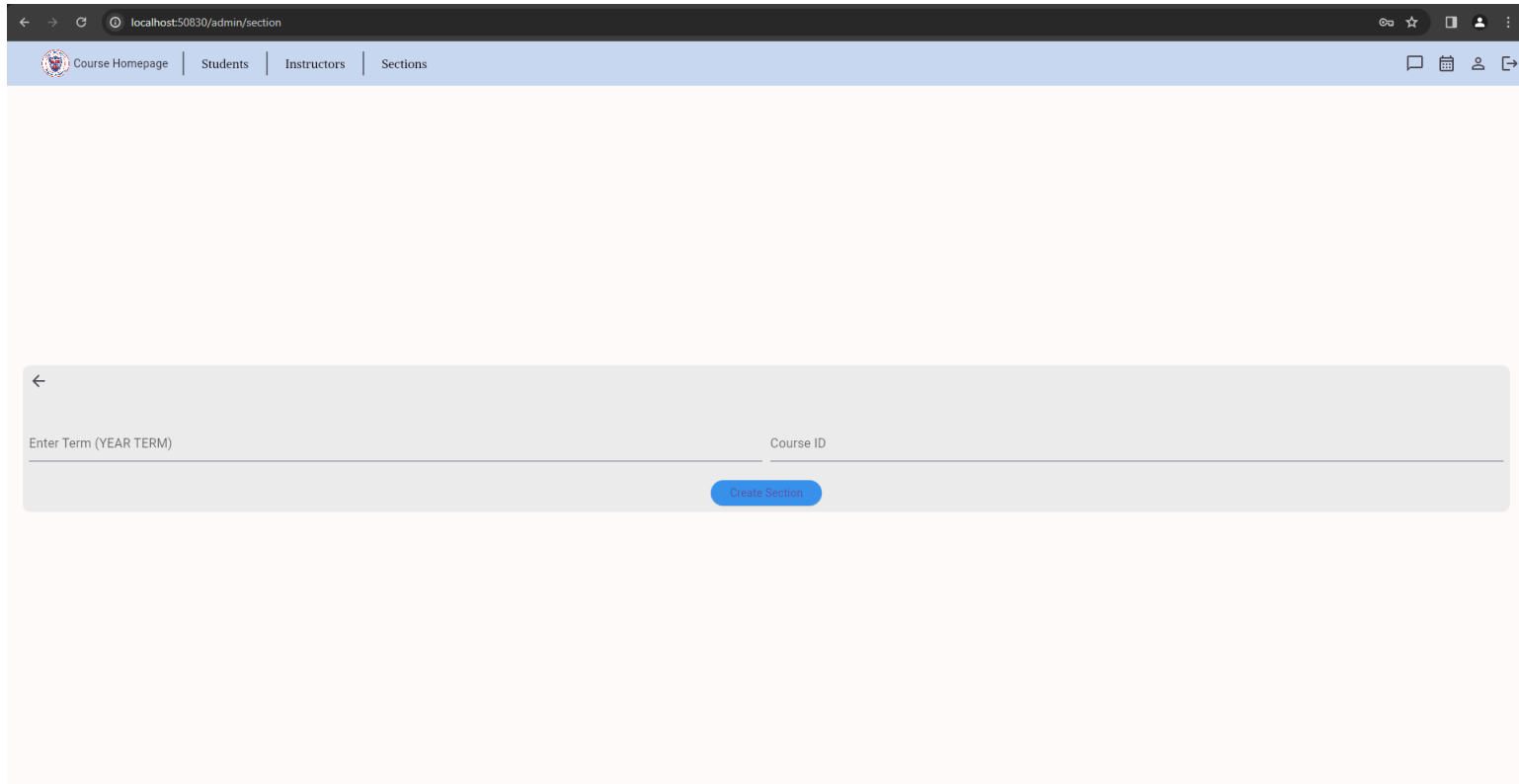
The Admin Homepage serves as a central hub for administrators to manage various aspects of the system. Administrators can list sections, instructors, and students, providing them with a comprehensive overview of the user base and course offerings. Additionally, administrators can create new sections, 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
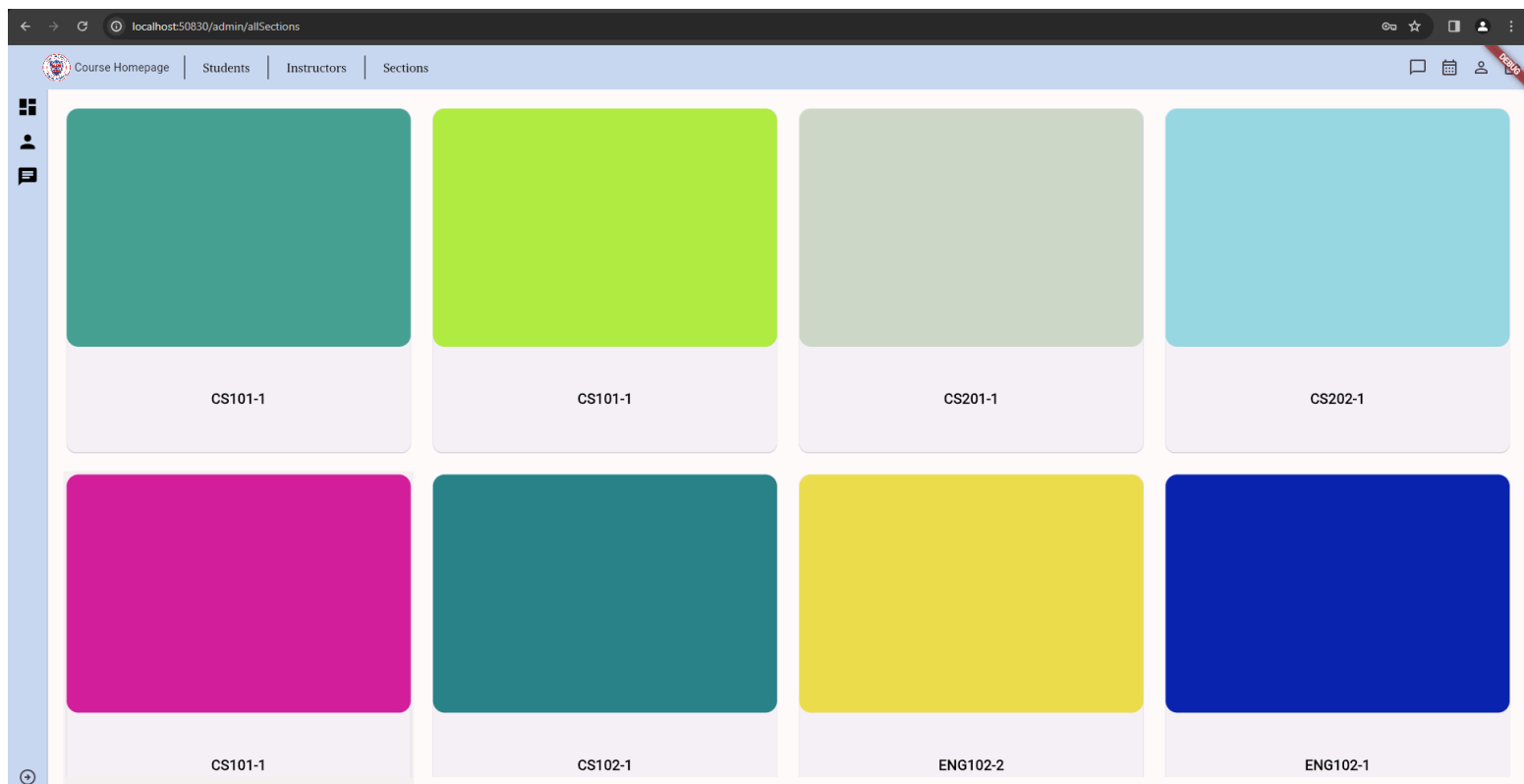
The 'List All Sections' feature within the Admin Homepage enables administrators to view a comprehensive list of all sections offered within the system. This functionality gives administrators a detailed overview of the available courses, including course names, IDs, instructors, and enrollment status. 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 '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

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 '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

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

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.