**Individually:**

1. Use your map to write scenarios and user stories Sommerville Chap. 3 ( slides 21-36 )
2. From your scenario and user stories develop your features

**Group:**

1. Look at your group members scenarios and stories and generate a feature list

Submission Instructions:

Submit a document containing the following

* **Scenarios (20)**
* **User stories (20)**
* **Feature list (10)**

Create and commit a folder, "LastName-DesSprintDay 1" in your group Github project repo with all of the items submitted here.

**Note: Members of the group should work independently on steps 1-2 above**

**Examples of Scenario, User Stories and Feature can be found in the chapter 3 slides.**

User Story : I need a way to keep track of my students' assignments electronically to ensure I don't lose them. I also need this to be organized conveniently to my course structure.

Feature: There is a system of folders within the LMS for instructors to store files in and may be personalized to them .

Please click here to go to sections:

[Scenarios](#_pyg4ftw2wu9r)

[User Stories](#_dgexad73rwg)

[Feature List](#_rc4wqvitj0ll)

# Scenarios: (20/20)

### Scenario 1: Michael’s Classroom Management

Michael is a high school history teacher who values an efficient workflow. On a typical morning, he logs into the LMS and is greeted by a personalized dashboard that displays his pending assignments, recent student submissions, and quick analytics on class performance.

Throughout the day, Michael uploads a new assignment along with supporting course materials, then sets up an announcement to notify his students about an upcoming test. Later, he reviews submissions, provides timely feedback through the grading module, and moderates a discussion board where students collaborate on group projects. The streamlined interface allows Michael to focus on teaching while reducing the time spent on administrative tasks.

### Scenario 2: John’s Academic Day

John, an 11th-grade student, relies on the LMS to organize his academic responsibilities. Early in the morning, he accesses the LMS on his smartphone to review his daily schedule, which includes new notifications about assignments and deadlines.

John navigates effortlessly through a clean interface to download lecture notes, check feedback on his assignments, and update his personal calendar with study reminders. When it’s time to submit his homework, the intuitive submission process ensures he can upload his work quickly, helping him stay on track and reduce stress over missed deadlines.

### Scenario 3: Elena’s Administrative Oversight

Elena is an IT administrator responsible for maintaining the LMS across several schools. Upon logging in, she reviews a comprehensive analytics dashboard that highlights system performance, user activity, and security alerts.

Elena uses built-in tools to manage user permissions, integrate external educational resources, and adjust settings to meet evolving needs. With her proactive monitoring and streamlined configuration options, Elena ensures that both teachers and students enjoy a secure and reliable LMS experience without the need for extensive technical troubleshooting.

### Scenario 4: Fabios chaotic organization

Fabio is an instructor in Jacksonville, he needs an efficient way to track and grade student assignments as paper files and organization have become obsolete. Fabio needs an efficient method of organizing and keeping track of assignments. Fabio goes to related courses and uploads all current and future assignments and organizes them into files as he pleases allowing him to quickly access assignments, documents, lectures etc wherever and whenever needed.

### Scenario 5: Fred needs to communicate

Fred is a student having trouble keeping up with class and needs some clarification on the homework assigned. School has been over for hours now and she needs help understanding her assignment. Fred is very new in town so she also has no contact information from her peers

Fred navigates to the people in her course through the LMS. She finds her instructor and messages them about clarifying Questions. Fred can also reach out to classmates about the assignment through the LMS to ensure safe and relevant discussions.

### Scenario 6 : Shelpy’s Grades & Feedback

Shelpy is an instructure struggling to effectively grade and give feedback on a students work. She needs to be able to access a student's assignment, add comments/feedback as necessary.

Shelpy goes to a student's submitted assignment, She can leave feedback on the assignment submission and grade it appropriately. She can also see when the assignment was submitted compared to when it was due to assign late points as needed.

### Scenario 7: Online Assignment Submission and Feedback

Sarah creates an assignment in the LMS and sets a submission deadline. Students receive a notification and upload their work. The system automatically flags late submissions. Sarah reviews the assignments, adds comments, and assigns grades. Students receive notifications and can access feedback within the system.

### Scenario 8: Greenwood High School

Greenwood High School is a progressive institution that has adopted a blended learning approach, combining traditional classroom teaching with online learning. The school uses an LMS to manage course materials, assignments, quizzes, and communication between teachers, students, and parents. The LMS also supports remote learning, allowing students to access resources, submit work, and meet with their teachers from home.

### Scenario 9: Virtual Classroom and Live Sessions

James schedules a virtual class through the LMS, and students receive automatic reminders. During the session, students can join via video, participate in discussions, and ask questions in real-time. The LMS records the session for students who couldn’t attend.

### Scenario 10: Student Progress Tracking and Analytics

Emily accesses the LMS dashboard, which displays reports on student participation, assignment completion rates, and quiz scores. She identifies struggling students and assigns additional resources.

### Scenario 11: Discussion Forms for Collaborative Learning

Alex posts a question on the LMS forum, and other students, along with the instructor, provide answers. The system highlights the most helpful responses and allows users to upvote answers.

### Scenario 12: Tuna’s Schedule

Tuna is a very busy student. From school to the gym to work and her social life, she can be very flustered when it comes to organizing and planning it all.

Tuna utilizes the LMS built in calendar system to allow courses to post assignments with due dates as they’re due to ensure she stays on top of her schoolwork giving her more time to organize the rest of her life. ADditionally she may add her own events to the calendar as an instructor would be able to.

### Scenario 13: Sarah’s Online Assignment Submission and Feedback

Sarah is a high school teacher who wants a streamlined way to collect, grade, and provide feedback on student assignments. At the start of the week, she logs into the LMS and creates a new assignment, setting a clear deadline and attaching relevant course materials.

As the deadline approaches, students receive automatic reminders and submit their work through the platform. Late submissions are flagged by the system for easy identification. Once the deadline passes, Sarah navigates to the grading module, where she reviews each submission, provides inline comments, and assigns grades. Students are notified of their grades and can access detailed feedback instantly. The LMS helps Sarah manage assignments efficiently, ensuring a smooth and organized workflow.

### Scenario 14: Jason’s Interactive Discussion Forum

Jason is a university student who actively participates in his courses and values peer collaboration. One evening, he logs into the LMS and navigates to the discussion board for his history course, where he posts a question about an upcoming assignment.

Within hours, his classmates begin responding, sharing insights and resources. His instructor joins the conversation, clarifying key points and guiding the discussion. Jason receives notifications about new replies and finds the upvoting system helpful for identifying the most relevant responses. By the end of the day, he has a better understanding of the topic, thanks to the structured and interactive forum that keeps everyone engaged.

### Scenario 15: Mark’s Virtual Classroom and Lecture Recording

Mark is an online instructor who teaches computer science and relies on live virtual classes to engage his students. Before his next session, he logs into the LMS and schedules a live lecture, automatically notifying his students.

At the scheduled time, Mark starts the class using the built-in video conferencing tool. Students participate by asking questions in the chat and responding to polls. The session is recorded and automatically stored in the LMS for those who couldn’t attend live. Later, Mark reviews attendance data and answers follow-up questions posted in the discussion forum. The LMS ensures that all students, whether attending live or watching later, stay connected to the course content.

### Scenario 16: Rachel’s Course Progress and Completion Tracking

Rachel is an adult learner enrolled in an online certification program. She values clear progress tracking to stay motivated and on schedule. Every morning, she logs into the LMS and checks her personalized dashboard, which displays her completed modules, pending assignments, and upcoming deadlines.

As she works through her coursework, the system automatically updates her progress, highlighting areas where she may need extra review. Once she completes all required modules and passes the final assessment, the LMS generates a completion certificate that she can download and share. Rachel appreciates the clear structure and automated tracking, which help her stay accountable and achieve her learning goals.

### Scenario 17: Corporate Training

A mid-sized company, InnovateTech, has recently expanded its workforce and needs to onboard and train new employees efficiently. They also want to upskill their existing employees to keep up with the latest technologies and industry trends. To streamline this process, the company decides to implement an LMS that offers a centralized platform for training, tracking progress, and assessing employee performance.

### Scenario 18: Jerris statistics

Jerri is looking to keep track of her grades as she is a very anxious student. She needs to be able to check them whenever and wherever she is so as to not panic.

Throughout the day Jerri uses the LMS to check her grades as frequently as she pleases. She can respond to feedback given to her by her instructor and even submit as long as she is logged in. She can see all future and past assignments that her instructor has allowed.

### Scenario 19: Dylan’s Multi-Device Learning Experience

Dylan is a college student who frequently switches between his laptop, tablet, and smartphone throughout the day. He starts by reviewing lecture notes on his laptop at home, then checks notifications and assignment updates on his tablet during class breaks, and finally uses his smartphone during his commute to stay informed on upcoming deadlines. The LMS seamlessly synchronizes his progress across all devices, ensuring that his learning experience remains consistent no matter which device he uses.

### Scenario 20: Lily’s Accessible Learning Journey

Lily is a student with visual impairments who depends on the LMS’s accessibility features. When she logs in, the system automatically adapts the interface for screen readers, high-contrast displays, and customizable text sizes. This enables Lily to easily navigate course materials, participate in discussion forums, and submit assignments independently. Additionally, a dedicated support feature ensures that any accessibility issues are promptly addressed, fostering an inclusive learning environment.

# User Stories: (20/20)

* As a teacher, I want to upload and manage assignments easily so that I can quickly distribute materials and track student progress.
* As a teacher, I want to view class analytics so that I can identify trends in student performance and adjust my teaching strategies.
* As a student, I want a simple, clear interface to access course materials so that I can study without distraction or confusion.
* As a student, I want to receive timely notifications about new assignments and deadlines so that I never miss important updates.
* As an administrator, I want to manage user accounts and permissions securely so that I can protect sensitive information and ensure smooth access for all users.
* As an administrator, I want to integrate external tools with the LMS so that users can benefit from additional resources without leaving the platform.
* As an Instructor, I need to be able to organize and manage my assignments easily to ensure I am up to date with the coursework ensuring that students work is tracked appropriately
* As a new employee, I want to complete my onboarding training efficiently, so that I can quickly get up to speed with company policies, tools, and processes.
* As a team manager, I want to monitor my team’s training progress and performance, so that I can ensure they are meeting their learning goals and identify areas where additional support is needed.
* As a 10th-grade student, I want to access my assignments, submit them online, and receive feedback from my teacher, so that I can stay organized and improve my understanding of the subject.
* As a history teacher, I want to upload lesson materials, create assignments, and track student progress, so that I can deliver engaging lessons and ensure my students are learning effectively.
* As a teacher, I need the ability to create a discussion board to invite students to discuss certain topics among themselves to promote socialization and hands-on learning.
* As a Student, I need to be able to contact peers and instructors when in need to ensure I am keeping up with my work.
* As a manager, I need to view personal progress on certain assignments to assure that employees are following the correct pathway on work.
* As a student, I need to be able to easily access all of my work on all easily accessible platforms, including my laptop and phone.
* As an instructor, It is important to relay important feedback on my students work to ensure they are completing their work as instructed and giving them feedback to improve their future work.
* As a Student, I need to create a schedule to follow to ensure that I stay on top of everything. balancing my work and life can become much easier utilizing a calendar that can be automatically updated
* As an instructor, I want to create quizzes with automatic grading so that students receive immediate feedback.
* As an academic advisor, I want to personalize learning paths so that students receive content suited to their progress.
* As a student, I want to track my course progress so that I can stay on schedule and complete all requirements.
* As a student, I want to use an AI assistant so that I can receive study support and personalized learning recommendations.
* As a teacher, I want to create assignments with deadlines so that students can submit their work online and receive feedback efficiently.
* As a professor, I want to conduct live virtual classes so that I can interact with students in real-time and answer their questions.
* As an administrator, I want to track student progress so that I can identify struggling students and provide necessary support.
* As a student, I want to participate in online discussions so that I can collaborate with my peers and learn from different perspectives.

# Feature List (10/10):

1. Personalized Dashboard:

Displays assignments, notifications, and analytics tailored to teachers, students, and administrators.

1. Assignment Management Module:

* Enables teachers to upload assignments, grade submissions, and provide feedback, while offering a straightforward submission process for students.

1. Course Materials Repository:

* Centralized storage for various types of content (e.g., lecture notes, videos, PDFs) accessible to all enrolled users.

1. Integrated Calendar:

* A scheduling tool to track class events, assignment deadlines, and personal study reminders.

1. Analytics Dashboard:

* Provides real-time insights into student performance and engagement, allowing teachers to make data-driven decisions.

1. Communication Tools:

* Includes messaging, forums, and announcement features to facilitate interaction among teachers, students, and administrators.

1. Content Moderation Tools:

* Enables teachers to review and approve student submissions (e.g., discussion posts, photo uploads) before publication.

1. User Management & Security:

* Robust authentication and role-based access control to ensure the integrity and safety of user data.

1. Third-Party Integrations:

* Supports the integration of external resources like Google Drive, video conferencing apps, and educational websites.

1. Mobile-Friendly Interface:

* A responsive design that ensures the LMS is accessible and user-friendly across desktops, tablets, and smartphones.