WMS Phase 3: Use Cases

Student Use Cases:

- **Authentication**: Allows students to securely log into the system using credentials created by an administrator, ensuring only authorized users can access the course management features.

- **Add Course(s) to Cart**: Enables students to browse available courses and temporarily add their desired courses to a shopping cart before finalizing enrollment.

- **Validate Course(s) in Cart**: Checks courses in the cart for conflicts such as time overlaps, prerequisite requirements, or credit limit violations before allowing enrollment. (check if any other checks)

- **Enroll Course(s) in Cart**: Allows students to officially register for all validated courses in their cart, securing their spot in those classes.

- **Add to Waitlist if Course Full**: Provides students the option to join a waiting list when their desired course has reached capacity, giving them a chance to enroll if admin force enrolls.

- **View Courses being Offered and Filter by Department**: Lets students browse the complete course catalog and narrow down options by selecting specific departments to find relevant courses more easily.

- **View Individual Course Details**: Allows students to access comprehensive information about a specific course, including instructor, class times, description, and prerequisites.

- **Display Course Schedule**: Enables students to see their finalized enrolled courses as a calendar schedule on their dashboard for personal reference and planning.

- **Drop a course after enrollment**: Allows students to remove themselves from a course they have already registered for, freeing up their enrollment slot and reflecting the change on the course schedule.

Admin Use Cases:

- **Add New Course**: Allows administrators to create and add new course offerings to the system, including setting course details like title, credits, and capacity.

- **Add New Instructor**: Enables administrators to register new instructors in the system by entering their personal and professional information.

- **Add New Student**: Allows administrators to create student accounts with necessary credentials and information, granting them access to the course management system.

- **Assign Instructor to Course**: Enables administrators to designate which instructor will teach a specific course, linking faculty members to their teaching responsibilities.

- **View Waitlist Requests**: Allows administrators to see all students who are currently waitlisted for courses.

- **Force Add Students Waitlisted on a Course**: Provides administrators the ability to manually enroll waitlisted students into full courses, overriding capacity restrictions when necessary.

- **Dashboard to View Snapshot Analytics**: Gives administrators a comprehensive overview of key metrics including total number of students enrolled this semester, total number of instructors teaching this semester, and total number of courses being offered this semester.