Product Backlog

As an Administrator, I must be able to create user accounts (TAs, Instructors, Admins) so that new staff can access the system.
M: Requires designing a creation form, storing user data in the database, assigning roles, and possibly sending a notification. Involves both front-end and back-end.
GIVEN the Administrator is logged in WHEN the Admin navigates to "Create Account" AND enters valid user details (name, email, role) THEN the system creates a new user account with the specified role AND sends a notification (email) confirming the new account

As an Administrator, I must be able to delete user accounts so that I can remove staff who have left the department.
S: Builds on the user-management functionality. Requires a simple delete action and database update.
GIVEN the Administrator is logged in WHEN the Admin selects an existing user account AND clicks "Delete" THEN the system removes that user account AND that user can no longer log in or access data

As an Administrator, I must be able to edit user accounts so that I can update roles or contact information when needed.
S: Extends user-management forms. Must show current user info, allow edits, and save them.
GIVEN the Administrator is logged in WHEN the Admin selects an existing user account AND modifies the user's role or contact information THEN the system saves the changes AND displays the updated info for that user

As an Administrator, I must be able to create courses so that Instructors and TAs can be assigned to them.
M: Requires adding "courses" to the data model, plus a front-end form for creation.
GIVEN the Administrator is logged in WHEN the Admin inputs course information (course number, name, etc.) THEN the system creates a new course record AND displays it in the list of available courses

As an Administrator, I must be able to assign Instructors to courses so that each course has a designated Instructor.
S: Similar to assigning TAs, but specifically for Instructors. Minimal UI plus database relationship.

GIVEN the Administrator is logged in
WHEN the Admin selects a course
AND chooses an existing user with "Instructor" role
THEN the system associates that Instructor with the course
AND updates the course's record accordingly

As an Administrator, I must be able to assign TAs to courses (including specifying number of labs or grader status) so that each course is staffed properly.

M: Extends the data model to store TA role details (labs, grader, etc…). Involves some UI plus logic to record these extra fields.

GIVEN the Administrator is logged in
WHEN the Admin chooses a course
AND selects one or more TAs
AND specifies the number of labs or marks them as "grader"
THEN the system links each chosen TA to the course with that specified status
AND stores it for later display in TA/course assignments

As an Administrator, I must be able to assign TAs to specific lab sections so that coverage for each section is properly tracked.

M: Requires multiple lab sections per course, a UI to display them, and the ability to assign TAs. Somewhat more involved than a simple course-level assignment.

GIVEN the Administrator is logged in
WHEN the Admin selects a course and views its lab sections
AND assigns TAs to each section
THEN the system records those section assignments
AND each assigned TA sees the lab section in their own schedule

As an Administrator or Instructor, I must be able to send out notifications to selected users via UWM email so that all relevant parties stay informed.

M: Involves an email-sending mechanism, a UI to compose messages, and a way to select recipients.

GIVEN the user (Admin or Instructor) is logged in
WHEN they compose a notification message
AND select one or more recipients
THEN the system sends an email to those recipients' UWM addresses
AND logs the notification in the system

As an Administrator, I must be able to access all data in the system so that I can have a complete overview of courses, TAs, and Instructors.

S: Primarily a role-based access feature. Admins can see all data, including private contact info.

GIVEN the Administrator is logged in
WHEN they navigate to any user profile or course page
THEN the system displays all relevant information (public and private)
AND allows searching/filtering as needed

As an Instructor, I must be able to edit my own contact information (including office hours) so that it remains current.

S: Simple profile editing for the logged-in Instructor. Includes office hours as a separate field.

GIVEN the Instructor is logged in WHEN they navigate to "My Profile" AND update their contact details and office hours THEN the system saves these updates AND the updated office hours and public info are displayed wherever appropriate

As an Instructor, I want to view the courses I'm assigned to so that I can see my teaching load.

S: Read-only feature that pulls from Instructor-course relationships.

GIVEN the Instructor is logged in WHEN they go to "My Courses" THEN the system lists all courses for which they are the assigned Instructor AND displays any TA or lab assignments tied to those courses

As an Instructor, I want to view all TAs assigned to my courses so that I know who is supporting each course and lab.

S: Another read-only view showing TAs linked to the Instructor's courses.

GIVEN the Instructor is logged in WHEN they view the details of a course THEN the system lists all TAs assigned to that course AND shows which lab sections each TA is covering

As an Instructor, I must be able to assign TAs to specific lab sections in my own courses so that I can finalize lab coverage.

M: Similar logic to Admin's lab-section assignment but restricted to the Instructor's own courses. Requires role based permission checks.

GIVEN the Instructor is logged in WHEN they select one of their assigned courses AND choose from the TAs assigned to that course THEN the system updates which TAs cover which lab sections AND TAs see these updated assignments on their end

As an Instructor or TA, I want to read the public contact information of other users so that I can reach them without seeing private data.

S: Role-based restriction: Non-admins only see limited info (e.g., UWM email, office hours).

GIVEN the Instructor or TA is logged in WHEN they view another user's profile THEN the system only displays the public information (e.g., work email, office hours) AND private details (like home phone, address) are hidden

As a TA, I must be able to edit my own contact information (including office hours) so that it is always up to date.

S: Similar to Instructors' self-edit story, but for TAs.

GIVEN the TA is logged in
WHEN they navigate to "My Profile"
AND change their contact details and office hours
THEN the system saves those changes
AND updates their public profile fields accordingly

As a TA, I must be able to view all TA assignments so that I can coordinate with other TAs and understand the overall distribution of work.

S: A read-only page that pulls from course assignments and lab-section data for all TAs.

GIVEN the TA is logged in
WHEN they navigate to "All TA Assignments"
THEN the system shows which TAs are assigned to which courses and lab sections
AND the TA can search or filter by course or TA name