COMPSCI 361 - Product Backlog
Group 4 ("Best Group")

General actions:

As a user, I must be able to log into my account, in order to use the system.

M: Requires user tables, integration with external auth gateway, implementation of session management, UI design, unit tests.

WHEN I submit a set of credentials via the UWM SSO gateway (or a dummy equivalent for non-production use).

THEN the credentials are validated by the system.

WHEN the credentials are valid and authorized for use with this system.

   THEN my browser navigates past the login prompt to the system proper.

WHEN the credentials are invalid.

   THEN my browser navigates back to the login prompt.

   AND I am informed that my credentials are invalid.

As a user, I must be able to log out of my account, in order to ensure my account is not used by someone else.

S: Requires implementation of session management, a small bit of UI design, unit tests.

GIVEN I am currently logged into my account.

WHEN I press the 'log out' button.

THEN my session is ended.

AND I am returned to the login prompt.

As a user, I must be able to update my own contact information, so that I can continue to receive system notifications.

S: Requires modification of user tables, UI design, unit tests.

GIVEN I am currently logged into my account.

WHEN I view the 'contact information' page.

THEN I am prompted to update my currently saved contact information.

WHEN I have finished making changes to my contact information.

AND I have submitted my changes.

THEN the updated contact information is sent to the system.

WHEN the contact information is correctly formatted.

   THEN my contact information is updated.

   AND I am returned to the previous screen.

   AND I am notified that my contact information has been updated

successfully.

WHEN the contact information is not correctly formatted.

    THEN I am returned to the prompt.

    AND I am notified that my contact information has not been updated successfully.

    AND the fields which contain invalid information are indicated, followed by a short explanation of why the data was invalid.

As a user, I want to reset my password, so that I can regain access to my account.

S: Requires modifying the users table, UI design, email gateway integration, unit tests, security review.

GIVEN I have forgotten my password.

WHEN I view the 'forgotten password' page.

THEN I am prompted to enter an email address.

WHEN I have finished inputting my email address.

AND I have submitted the 'forgotten password' form.

THEN the email address is sent to the system.

WHEN the email address is associated with a user present in the system.

    THEN I am returned to the login prompt.

    AND I am sent a email notification containing a link which allows me to reset my password.

WHEN the email address is not associated with a user present in the system.

    THEN I am returned to the login prompt.

Notifications:

As an instructor or an administrator, I want to send a notification to the TAs associated with a particular course or section, in order to inform them of scheduling changes or other events.

M: Requires a notification table, rich text editing, email gateway integration, UI design, unit tests.

GIVEN I am currently logged into my account.

WHEN I view the 'send notification' page.

WHEN I am an instructor.

    THEN I am shown a list of courses which have been assigned to me.

WHEN I am an administrator.

    THEN I am shown a list of all courses in the system, with options to sort, search, and filter results.

WHEN I select a particular course.

THEN I am prompted to select one or more sections of that course.

WHEN I select one or more sections.

THEN I am prompted to compose a rich-text message to be sent.

WHEN I have composed and submitted the message.

THEN I am shown a preview of the message, along with a list of TAs to whom the message will be sent, and I am asked to confirm that the message and recipients are correct.

WHEN I confirm that the message and recipients are correct.

   THEN The message is sent to the list of recipients.

   AND the message is saved to the audit log.

   AND I am returned to the previous screen.

   AND I am notified that the message has been sent.

Data retrieval:

As a user, I want to view the contact information of other users, in order to be able to contact them directly.

S: Requires UI and interaction design, unit tests.

GIVEN I am currently logged into my account.

WHEN I navigate to the user directory.

THEN I am shown a listing of users in the system, with options to sort, search, and filter results.

WHEN I am a TA or an instructor with courses or sections assigned to me.

   THEN I am given the option to narrow the list results to individuals involved in the particular courses or sections that I am assigned to.

WHEN I select a particular user.

THEN I am shown the user's public contact information.

WHEN I am an administrator.

   THEN I am also shown the user's private contact information, including their personal phone number and home address.

As a user, I want to view teacher and TA assignments for a particular course or section, in order to determine who is involved with the course or section.

M: Requires in-depth UI and interaction design, unit tests.

GIVEN I am currently logged into my account.

WHEN I navigate to the course listing.

THEN I am shown a listing of courses in the system, with options to sort, search, and filter results.

WHEN I am a TA or an instructor with courses assigned to me.

   THEN The courses I am involved in are noticeably highlighted, so as to stand out from the rest of the results.

WHEN I select a particular course.

THEN I am shown a list of instructors and TAs associated with the course.

AND I am shown a listing of sections for that particular course, sorted by section number.

WHEN I am a TA with sections assigned to me.

   THEN The sections I am involved in are noticeably highlighted, so as to

stand out from the rest of the results.

WHEN I select a particular section.

THEN I am shown a list of instructors and TAs associated with the section.

Data modification:

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As an administrator, I must be able to create accounts for the system, in order to allow new administrators, instructors, and TAs to access the system.

M: Requires user tables, integration with external auth gateway, UI design, unit tests.

GIVEN I am currently logged into my account.

AND my account has administrative privileges.

WHEN I press the 'add user' button.

THEN I am prompted to enter the new user's assigned UWM email address and the role which they should be assigned.

WHEN I have submitted the new user's email address.

THEN the system looks up the new user's information via the UWM ePanther account system (or a dummy equivalent for non-production use).

WHEN the email address does not belong to an active ePanther account.

   THEN I am returned to the new user prompt.

   AND I am informed that the email address does not belong to an active ePanther account.

WHEN the email address belongs to an active ePanther account.

   THEN the system checks whether the account already exists.

   WHEN the account does not already exist.

      THEN the system gathers the user's information via the UWM SSO gateway (or a dummy equivalent for non-production use).

      AND the system authorizes the user to log on via the UWM SSO gateway, and assigns them the given role.

      AND I am returned to the previous screen.

      AND I am notified that the new user has been added successfully.

   WHEN the account already exists.

      THEN I am returned to the new user prompt.

      AND I am notified that the account already exists.

As an administrator, I must be able to modify information associated with a user, in order to update the contact information or system role associated with the user.

S: Requires user tables, UI design, unit tests.

GIVEN I am currently logged into my account.

AND my account has administrative privileges.

WHEN I press the 'modify user' button.

THEN I am shown a listing of users in the system (excluding my own account), with options to sort, search, and filter results.

WHEN I select a particular user.

THEN I am prompted to update the system role or currently saved contact information of the user.

WHEN I have finished making changes to the user's information.

AND I have submitted my changes.

THEN the updated information is sent to the system.

WHEN the user's information is correctly formatted.

   THEN the role and contact information of the user is updated.

   AND I am returned to the previous screen.

   AND I am notified that the user's role and contact information has been updated successfully.

WHEN the user's information is not correctly formatted.

   THEN I am returned to the prompt.

   AND I am notified that the user's information has not been updated successfully.

   AND the fields which contain invalid information are indicated, followed by a short explanation of why the data was invalid.

As an administrator, I must be able to remove accounts from the system, in order to prevent unauthorized users from accessing the system.

S: Requires user tables, UI design, unit tests.

GIVEN I am currently logged into my account.

AND my account has administrative privileges.

WHEN I press the 'remove user' button.

THEN I am shown a listing of users in the system (excluding my own account), with options to sort, search, and filter results.

WHEN I select a particular user.

THEN I am prompted to confirm whether I actually mean to remove the user.

AND I am shown a summary of the data which will be lost if I confirm my choice.

WHEN I choose to continue.

   THEN the user is removed from the system.

   AND I am returned to the previous screen.

   AND I am notified that the user has been removed.

WHEN I choose not to continue.

   THEN I am returned to the previous screen, with no further action taken.

As an administrator, I must be able to create courses within the system, in order to assign them to instructors and TAs.

M: Requires creation of course and section tables, integration with UWM schedule of classes, UI design, unit tests.

GIVEN I am currently logged into my account.

AND my account has administrative privileges.

WHEN I press the 'add course' button.

THEN I am prompted to enter information for the course, including course name, course code, sections, scheduling, and initial instructor / TA assignments. I may enter this information manually, or import it automatically from the UWM schedule of classes.

WHEN I have submitted the course information.

THEN the course information is sent to the system.

WHEN the course information is correctly formatted.

   THEN the course is added to the system.

   AND I am returned to the previous screen.

   AND I am notified that the new course has been added successfully.

WHEN the course information is not correctly formatted.

   THEN I am returned to the prompt.

   AND I am notified that the course has not been added successfully.

   AND the fields which contain invalid information are indicated, followed by a short explanation of why the data was invalid.

As an administrator, I must be able to modify courses within the system, in order to keep scheduling and assignments up-to-date.

S: Requires modification of course and section tables, UI design, unit tests.

GIVEN I am currently logged into my account.

AND my account has administrative privileges.

WHEN I press the 'modify course' button.

THEN I am prompted to update the course information.

WHEN I have submitted the updated course information.

THEN the course information is sent to the system.

WHEN the course information is correctly formatted.

   THEN the course is added to the system.

   AND I am returned to the previous screen.

   AND I am notified that the course has been modified successfully.

WHEN the course information is not correctly formatted.

   THEN I am returned to the prompt.

   AND I am notified that the course has not been modified successfully.

   AND the fields which contain invalid information are indicated, followed by a short explanation of why the data was invalid.

As an administrator, I must be able to remove courses from the system, in order to keep scheduling and assignments up-to-date.

S: Requires modification of course and section tables, UI design, unit tests.

GIVEN I am currently logged into my account.

AND my account has administrative privileges.

WHEN I press the 'remove course' button.

THEN I am prompted to confirm whether I actually mean to remove the course.

AND I am shown a summary of the data which will be lost if I confirm my choice.

WHEN I choose to continue.

   THEN the course is removed from the system.

   AND I am returned to the previous screen.

   AND I am notified that the course has been removed.

WHEN I choose not to continue.

   THEN I am returned to the previous screen, with no further action taken.

As an administrator, I must be able to assign an user to one or more courses, in order to allow the user to manage or participate in the course(s).

M: Requires course/section assignment table, UI design, unit tests.

GIVEN I am currently logged into my account.

AND my account has administrative privileges.

WHEN I press the 'assign course' button.

THEN I am shown a listing of users in the system, with options to sort, search, and filter results.

WHEN I select an user.

THEN I am shown a listing of courses in the system (excluding courses which were already assigned to the user), with options to sort, search, and filter results. I am allowed to select multiple courses.

WHEN the selected user is a TA.

   THEN I am given the option to automatically assign the TA to course sections.

WHEN I select one or more courses.

THEN the course(s) are assigned to the user.

WHEN the selected user is a TA and I have selected the option to automatically assign the TA to course sections.

   THEN the TA is automatically assigned to course sections.

AND I am returned to the previous screen.

AND I am notified that the selected course(s) were assigned to the instructor.

As an instructor or an administrator, I must be able to assign a TA to one or more sections, in order to allow them to receive section notifications.

M: Requires section assignment table, UI design, unit tests.

GIVEN I am currently logged into my account.

AND my account has instructor or administrative privileges.

WHEN I press the 'assign section' button.

WHEN I am an instructor.

   THEN I am shown a listing of courses in the system which have been assigned to me.

WHEN I am an administrator.

THEN I am shown a listing of all courses in the system, with options to sort, search, and filter results.

WHEN I select a course.

THEN I am shown a listing of TAs assigned to this course.

WHEN I select a TA.

THEN I am shown a listing of the course sections. I am allowed to select multiple sections.

WHEN I select one or more sections.

THEN the TA is assigned to the selected course section(s).

AND I am returned to the previous screen.

AND I am notified that the selected section(s) were assigned to the TA.