System Requirement Specification

University of Texas at Arlington

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1. Appointment Scheduling Application

R1. The application shall allow users to login and manage their accounts based on respective roles.

> R1.1. The application shall allow admin to create, edit, and delete user types and define their privileges.
>
> R1.2. The application shall provide all levels of privileges pertaining to user account management and application management to the admin.
>
> R1.3. The admin shall be able to add, edit and delete advisor account.
>
> R1.4.The admin/advisor shall be able to create, edit and delete appointment types/services and manage the appointments as well as related fields.
>
> The application shall allow students to manage their respective accounts.

R2. The application shall display views and provide features to the user based on the user role. (This overall requirement should be made specific.)

> R2.1 The application shall provide a traditional calendar view containing day, month, year parameters to all the users.
>
> R2.2. A list of the available times should be displayed at the same time so that a student can select a time slot of their convenience.
>
> R2.3. Time slots that have been reserved and time slots that are available should be distinguished on the calendar by color and enabled or disabled to be selected appropriately.
>
> R2.4. The application shall provide advisors features to allocate windows of time on their calendar when they are available for appointments.
>
> R2.5. The application shall allow advisors to view the details provided by the student while scheduling appointment.
>
> R2.6. The application shall allow advisors/admin to add, edit, or delete staff associated with them.
>
> R2.7. The application shall provide admin the feature to opt for / opt out of email notification

R3. The application shall allow student to schedule an appointment.

R3.1.The application shall allow students to select the advisor and department. [is this assuming one program will be made available to any department on campus with list of their department and advisors?]

R3.2. The application shall allow students to select the advising type or service they seek including a field that allows the student to specify if it is not found on the list (advising for schedule, dropping a class, new students, etc.).

R3.3.The application shall display time slots based upon the type of appointment and other details specified by the students.

R3.4.Students shall be able to book an advisor with an available time slot by selecting the time slot in the calendar.

R3.5.The application shall send a confirmation email to the student and the advisor if the booking was successful with a summary of the selected appointment day (advisor name, type of service, date, and time it begins). The application notifies the advisor only if the advisor opted for notification.

R3.6.The application shall mark the time slot booked by the student as reserved or not available.

R3.7.The application shall send a notification to the students in case of any change/cancellation of the appointment they have already scheduled.

R3.8.The application shall allow the student to cancel a scheduled appointment. The application shall make the slot available and update the calendar view accordingly.

R4. Advisor can manage the appointments and related activities.

R4.1.The application shall allow advisors to edit or cancel an appointment with a reason for cancellation.

R.4.1.1 On cancellation of an appointment, the appointment should be removed from the advisor's [Outlook] calendar as well as the application's calendar.

R4.2.The application allows advisors to manage and update their time slots in the calendar.

R4.4. The application shall allow the advisor to manage and edit advising types.

R4.4.1. The application shall allow the advisor to choose required fields for appointment types.

R4.4.2. The application shall allow the advisor to choose the duration of appointment types.

R4.4.3. Whenever an appointment is modified or cancelled, the application shall notify all relevant parties (advisor and student).

R5. The application shall synchronize with the advisors Microsoft Outlook (depend on OIT permission to access the system and use of Outlook API.) [no coordination with OIT needed to sync TimeTrade with Outlook; same for other online appointments, such as travel plans, events, etc.]

R6. The application shall allow students to register with the system. [not necessary to validate UTA email, many prospect students will not have a UTA email since they have not applied to UTA yet; current students will be required to provide their 10-digit student ID# so we can get their UTA email from MyMav if needed]

 R6.1. The application shall allow students to register using their UTA email. R6.2. The application shall validate the email address, and upon validated, shall send a temporary password to the student's UTA email address.

 R6.3. When the student login in for the first time, the application shall prompt the student to change the temporary password.

 R6.4. The application shall allow the admin to set an expiration time for the temporary password.

Assumptions

The student database is available to the application in order to validate the students. (This assumption will not be true. The OIT will not allow us to access the database. We can at best treat this as a Design for Change in the future --- that is, making it easy to change to access the student database.)

Faculty and staff are users of the application.

The application shall provide desired level of security. (Should be made specific.)

The UI of the application shall be consistent with the UTA webpage.

Constraints:

1. The application shall be implemented in Java and JSP.
2. The application shall run on top of MySQL for the first release.
3. The application shall support BROWSER … versions …
4. The application shall not use third-party software unless prior approval is obtained from instructor.