MavAppoint Software Requirements

The Mav Appointment (MavAppoint) application is a web-based application, and has the following preliminary requirements:

1. MavAppoint shall allow **users** to **login and manage** their accounts based on respective roles.

1.1 MavAppoint shall allow **admin** to **create**, and **delete** user accounts. ++ edit account

1.1.1 A **student** account shall **include student ID, student name, Mav email, login and password, contact phone number, major, and assigned advisor** (this can only be changed by the admin or an advisor). ++ physical address

1.1.2 A **prospective** student is similar to a student except that he/she **does not have a Mav email, major, or assigned advisor.**

1.1.3 An **advisor** account shall include **Mav email, password, name, undergraduate/graduate, major of advising, advising types, and time for each advising type**.

1.2 MavAppoint shall allow the **admin** to **assign students to an advisor**, such as student last name beginning with A-Z are assigned to John Smith.

1.3 MavAppoint shall allow all account **users to edit their own accounts**.

2 MavAppoint shall allow **advisors** to **allocate**, **edit**, and **delete advising time slots**.

2.1 MavAppoint shall allow an advisor to **allocate time slots for one or more weeks in a single operation** (this is a user-friendly design consideration). For example, 2PM-4PM every Tuesday from January 20 to May 9.

2.2 MavAppoint shall allow the advisor to **specify the advising types** for time slots, such as adding/dropping a course, and advising transfer students.

2.3 MavAppoint shall allow an advisor to **delete** **a time slot for one or more consecutive weeks**. MavAppoint shall **prompt** the advisor to **provide a reason** for the deletion and **confirm** the deletion. The **default reason** could be that “the time slot is canceled.”

2.4 MavAppoint shall **email all affected students** notifying them that their appointments have been canceled due to the deletion of the time slot for the given reason.

++ What if the advisor have an appointment on a time slot and tries to delete the time slot. Will it prompt to put the appointment to a different date or directly delete the appointment?

3 MavAppoint shall allow advisors to **manage appointments**.

3.1 MavAppoint shall allow advisors to **add, or cancel an appointment with a reason** for cancellation.

3.2 On cancellation of an appointment, the appointment should be **removed** from the advisor’s [Outlook] calendar as well as the application’s calendar.

Conclusion: deleting time slot or cancelling appointment will send an email notification to the affected students.

++ Is there no option to edit the appointment? Selecting a different date instead cancelling?

MavAppoint allows advisors to manage and update their time slots in the calendar. --repeated

MavAppoint shall allow the advisor to manage and edit advising types.--repeated

MavAppoint shall allow the advisor to choose required fields for appointment types.

++ what are the required fields here?

MavAppoint shall allow the advisor to choose the **duration of appointment types.**

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

MavAppoint shall allow admin to create, edit, and delete user accounts. --repeated

The **admin**/advisor shall be able to create, edit and delete appointment types and manage the appointments as well as related fields.

MavAppoint shall allow students to manage their respective accounts. --repeated

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

MavAppoint shall provide a **traditional calendar** view containing day, month, year parameters to all the users.

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.

**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.

MavAppoint shall provide advisors features to allocate windows of time on their calendar when they are available for appointments.

MavAppoint shall allow advisors to view the details provided by the student while scheduling appointment. ++ what details?

MavAppoint shall allow advisors/admin to add, edit, or delete **staff associated with them.** ++ Staff??

MavAppoint shall provide admin/advisor the feature to **opt for / opt out of email notification** ++ What email notifications does an admin receives?

MavAppoint shall allow a **student to schedule an appointment**.

MavAppoint 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?]

MavAppoint shall allow students to s**elect 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.).

MavAppoint shall **display time slots** based upon the type of appointment and other details specified by the students.

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

MavAppoint 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). **MavAppoint notifies the advisor only if the advisor opted for notification.**

MavAppoint shall mark the time slot booked by the student as reserved or not available.

MavAppoint shall send a notification to the students in case of any change/cancellation of the appointment they have already scheduled. -- repeated

MavAppoint shall **allow the student to cancel** a scheduled appointment. MavAppoint shall make the slot available and update the calendar view accordingly.

MavAppoint 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.]

MavAppoint 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]

MavAppoint shall allow students to register using their UTA email. R6.2. MavAppoint shall validate the email address, and upon validated, shall send a temporary password to the student’s UTA email address. -- is this contrary to the above point?

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

MavAppoint 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.

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

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

Constraints:

MavAppoint shall be implemented in Java and JSP.

MavAppoint shall run on top of MySQL for the first release.

MavAppoint shall support BOWSER … versions …

MavAppoint shall not use third-party software unless prior approval is obtained from the instructor.

MY NOTES:

**Types of users:**

1. Admin
2. Advisor
3. Student
4. Prospective student

**Admin Roles:**

1. Create, edit and delete all user accounts
2. Assign advisors to students
3. Create, edit and delete appointments
4. Delete other staff accounts
5. Set expiration time for temporary passwords

**Advisor Roles:**

1. Allocate, edit and delete time slots.
2. Add and cancel appointments.
3. View appointment details made by students.

**Student Roles:**

1. Schedule or cancel appointments.

**Time slot working and feature:**

1. An advisor can allocate/edit/delete time slots:
2. To allocate:  
   2.1 Select start date  
   2.2 Select end date  
   2.3 Select time  
   2.4 Select day(s)  
   2.5 Advising type

noun/attribute:

Student Account(noun):

student ID,

student name,

Mav email,

login and password,

contact phone number,

major,

assigned advisor

prospective student Account:

student ID,

student name,

login and password,

contact phone number,

advisor account :Mav email,

password, name,

undergraduate/graduate,

major of advising,

advising types,

time for each advising type.

advising types:

adding/dropping a course,

advising transfer students.

Time slots: color

Cancellation

traditional calendar : day,

month,

year

A list of the available times