MavAppoint Software Requirements

The Mav Appointment (MavAppoint) application is a web-based application9, and has the following preliminary requirements:

1. MavAppoint1 shall allow3 users to login3 and manage3 their accounts based on respective roles.
   1. MavAppoint shall allow admin1 to create3, and delete3 user accounts.
      1. A student account1 shall include7 student ID1, student name1, Mav email1, login1 and password1, contact phone number1, major1, and assigned advisor1 (this can only be changed by the admin or an advisor).
      2. A prospective student1 is similar to a student except that he/she does not have a Mav email, major, or assigned advisor.
      3. An advisor account1 shall include7 Mav email1, password1, name1, undergraduate1/graduate1, major of advising2, advising types1, and time for each advising type2.
   2. MavAppoint shall allow the admin to assign3 students1 to an advisor1, such as student last name4 beginning with A-Z are assigned to John Smith.
   3. MavAppoint shall allow all account users1 to edit3 their own accounts1.
2. MavAppoint shall allow advisors to allocate3, edit3, and delete 3advising time slots.
   1. MavAppoint shall allow an advisor to allocate3 time slots4 for one or more weeks4 in a single operation.
   2. MavAppoint shall allow the advisor to specify3 the advising types for time slots, such as adding/dropping a course, and advising transfer students.
   3. MavAppoint shall allow an advisor to delete3 a time slot for one or more consecutive weeks4. MavAppoint shall prompt3 the advisor to provide3 a reason for the deletion and confirm3 the deletion. The default reason4 could be that “the time slot is canceled.”
   4. MavAppoint shall email3 all affected students4 notifying them that their appointments1 have6 been canceled due to the deletion of the time slot2 for the given reason.
3. MavAppoint shall allow advisors to manage3 appointments.
   1. MavAppoint shall allow advisors to add3, or cancel3 an appointment with a reason for cancellation1.
   2. On cancellation of an appointment2, the appointment should be removed from3 the advisor’s [Outlook] calendar as well as the application’s calendar.

MavAppoint allows advisors to manage3 and update3 their time slots in the calendar. MavAppoint shall allow the advisor to manage and edit advising types.

MavAppoint shall allow the advisor to choose3 required fields for appointment types4. MavAppoint shall allow the advisor to choose3 the duration of appointment types. Whenever an appointment is modified or cancelled, the application shall notify3 all relevant parties (advisor and student).

MavAppoint shall allow admin to create, edit, and delete user accounts. The admin/advisor shall be able to create3, edit3 and delete3 appointment types and manage3 the appointments as well as related fields. MavAppoint shall allow students to manage3 their respective accounts. MavAppoint shall display3 views and provide3 features to the user based on the user role. MavAppoint shall provide3 a traditional calendar1 view containing8 day1, month1, year1 parameters to all the users. A list of the available times should be displayed at the same time so that a student can select3 a time slot of their convenience. Time slots that have6 been reserved4 and time slots that are available should be distinguished on3 the calendar by color4 and enabled4 or disabled4 to be selected appropriately. MavAppoint shall provide advisors features to allocate3 windows of time on their calendar when they are available for appointments.

MavAppoint shall allow advisors to view3 the details provided by the student while scheduling appointment. MavAppoint shall allow advisors/admin to add3, edit3, or delete3 staff1 associated4 with them. MavAppoint shall provide3 admin the feature to opt for 3/ opt out3 of email notification.

MavAppoint shall allow student to schedule3 an appointment. MavAppoint shall allow students to select3 the advisor and department1. MavAppoint shall allow students to select the advising type or service they seek including7 a field that allows the student to specify if it is not found on the list. MavAppoint shall display3 time slots based upon the type of appointment and other details specified by the students. Students shall be able to book3 an advisor with an available time slot by selecting the time slot in the calendar. MavAppoint shall send3 a confirmation email1 to the student and the advisor if the booking was successful4 with a summary of the selected appointment4 day. MavAppoint notifies the advisor only if the advisor opted for notification. MavAppoint shall mark3 the time slot booked by the student as reserved or not available. MavAppoint shall send3 a notification to the students in case of any change/cancellation of the appointment they have6 already scheduled. MavAppoint shall allow the student to cancel3 a scheduled appointment. MavAppoint shall make3 the slot available and update3 the calendar view accordingly.

MavAppoint shall synchronize3 with the advisors Microsoft Outlook. MavAppoint shall allow3 students to register with the system. MavAppoint shall allow students to register using their UTA email. MavAppoint shall validate3 the email address, and upon validated, shall send a temporary password to the student’s UTA email address. When the student login in for the first time, the application shall prompt the student to change3 the temporary password4. MavAppoint shall allow the admin to set3 an expiration time4 for the temporary password.

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| **Brainstorming List** | **Classification Result** | **Rule** |
| Student account | ( C ) Student account | 1 |
| Student id | A | 1 |
| Student name | A | 1 |
| Mav email | A | 1 |
| login | A | 1 |
| Password | A | 1 |
| Contact num. | A | 1 |
| Major | A | 1 |
| Assigned advisor | C | 1 |
|  |  |  |
| Prospective student | C | 1 |
| Student id | A | 1 |
| Student name | A | 1 |
| Login | A | 1 |
| Password | A | 1 |
| Contact # | A | 1 |
|  |  |  |
| Advisor Account | C | 1 |
| Mav email | A | 1 |
| Password | A | 1 |
| Name | A | 1 |
| Undergraduate/graduate | A | 1 |
| Major of advising (2) | A | 2 |
| Advising types | A | 1 |
| Time of each advising type | A | 2 |
| List of available times | A | 2 |
| Traditional calendar | C | 1 |
| Day | AG | 1 |
| Month | AG | 1 |
| Year | AG | 1 |
| cancellation of an appointment | A | 2 |
| Cancellation | A | 1 |
| time slot | A | 1 |

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| Advising types | (V) Advising Type | 4 |
| Default Reason | (V) “the time slot is canceled” | 4 |
| Affected students | (V) Affected Students | 4 |
| Appointment types | (V) Appointment Type | 4 |
| Traditional Calendar | (V) Traditional Calendar | 4 |
| Reserved | (V) Reserved Time Slots | 4 |
| Color | (V) Color | 4 |
| Enabled/Disabled | (V) Enabled/Disabled | 4 |
| Associated Staff | (V) Associated Staff | 4 |
| Successful Booking | (V) Successful Booking | 4 |
| Selected appointment day | (V) Selected appointment day | 4 |
| Expiration time | (V) Expiration time | 4 |
| Temporary Password | (V)Temporary Password | 4 |
| Last name (A……Z) | (A, Z) | 5 |
| Time slots | (9AM, 5PM) | 5 |
| One or more weeks | (1,4) | 5 |
| One or more consecutive weeks | (1,4) | 5 |

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| Allow admin to | (AS) Allow admin to (create and delete user accounts) | 3 |
| Login to | (AS) Login to (user accounts) | 3 |
| Manage | (AS) Manage (user accounts) | 3 |
| Create and delete | (AS) Create and delete (a user account) | 3 |
| Assign students to | (AS) Assign students to (an advisor) | 3 |
| Edit | (AS) Edit (their own accounts) | 3 |
| Allocate, edit and delete | (AS) Allocate, edit and delete (advising time slots) | 3 |
| Allocate time slots for | (AS) Allocate time slots for (one or more weeks) | 3 |
| Specify the advising types | (AS) Specify (the advising types) | 3 |
| Delete | (AS) Delete (a time slot) | 3 |
| Prompt | (AS) Prompt (the advisor) | 3 |
| Provide | (AS) Provide( a reason) | 3 |
| Email | (AS) Email (all affected students) | 3 |
| Manage | (AS) Manage (appointments) | 3 |
| Add or cancel | (AS) Add or cancel (appointment) | 3 |
| Removed from | (AS) Removed from (Advisor’s calendar) | 3 |
| Manage and update | (AS) Manage and update (time slots) | 3 |
| Choose | (AS) Choose (required fields) | 3 |
| Choose | (AS) Choose (the duration of appointment types) | 3 |
| Notify | (AS) Notify (all relevant parties) | 3 |
| Able to create, edit and delete | (AS) Able to create, edit and delete (appointment types) | 3 |
| Manage | (AS) Manage (their respective accounts) | 3 |
| Display | (AS) Display (views) | 3 |
| Provide | (AS) Provide (features) | 3 |
| Provide | (AS) Provide (a traditional calendar) | 3 |
| Select | (AS) Select (a time slot) | 3 |
| Distinguished | (AS) Distinguished on (the calendar) | 3 |
| Allocate | (AS) Allocate (windows of time) | 3 |
| View | (AS) View (the details) | 3 |
| Add edit or delete | (AS) Add edit or delete (staff) | 3 |
| Provide feature to | (AS) Provide feature to (opt for / opt out of email notification) | 3 |
| Opt for/ opt out | (AS) Opt for/ opt out (email notification) | 3 |
| Schedule | (AS) Schedule (an appointment) | 3 |
| Select | (AS) Select (the advisor) | 3 |
| Select | (AS) Select (advising time) | 3 |
| Display | (AS) Display (time slots) | 3 |
| Able to book | (AS) Able to book (an advisor) | 3 |
| Send | (AS) Send (a confirmation) | 3 |
| Mark | (AS) Mark (the time) | 3 |
| Send | (AS) Send (a notification) | 3 |
| Cancel | (AS) Cancel (a scheduled appointment) | 3 |
| Make | (AS) Make (the slot) | 3 |
| Update | (AS) Update (the calendar) | 3 |
| Synchronize with | (AS) Synchronize with (the advisors) | 3 |
| Allow to register | (AS) Allow to register (with the system) | 3 |
| Validate | (AS) Validate (the email address) | 3 |
| Set | (AS) Set (an expiration time) | 3 |

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| include | (AG) student account includes student ID, name, login id, password etc. | 7 |
| include | (AG) advisor account includes Mav email, password etc. | 7 |
| have | (AG) appointments have been canceled | 6 |
| containing | (AS) traditional view calendar containing day, month, year parameters | 8 |
| including | (AG) 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 | 7 |