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| **Use case #1** | **Comment** |
| Use Case Name | Sign Up |
| Purpose | To create a new account record for the customer that contains personal information. |
| Scope | IN System |
| Level | Primary |
| Primary Actor | UTD Students(users), IN System |
| Supporting Actor | IN System |
| Pre-Condition | Valid email address |
| Main Success Flow | User goes to the Sign Up page.  Enters First name, Last name, UTD email, and password.  Hit the Register button.  User will get a confirmation email along with a 4 digit pass code and a link to redirect to the Email verification page.  Enter the 4 digit code and hit the submit button  The system verifies the user based on the code he enters and grants him access to the system.  The user account is completely created, verified and he is redirected to the dashboard. |
| Alternate Flow | An account already exists with the mentioned email address  User leaves the First name, last name, email id or password blank.  User enters an invalid email id.  User enters a non-UTD email id.  User does not get an email confirmation along with the passcode.  User enters an invalid code.  User leaves the code field empty and hits the submit button. |
| Post Condition | User account is created and the personal information will be saved on the system. |
| Stakeholders and Interests Lists | Students, IN System |
| Special Requirements | The users are simulated and accordingly mapped in the customized database |

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| Use case #2 | Comment |
| Use Case Name | Login |
| Purpose | To access account of the customer that contains preferences. |
| Scope | IN System |
| Level | Primary |
| Primary Actor | UTD Students(users) |
| Supporting Actor | UTD, IN SYSTEM |
| Pre-Condition | The user must be registered or must have signed up earlier. |
| Main Success Flow | The user opens IN SYSTEM portal.  The system displays a form into which the user enters his/her login credentials.  The user submits the information, the system verifies its validity, and redirects him to the dashboard.  Login credentials consists of providing information such as Username, and Password. |
| Alternate Flow | User enters wrong login credentials. |
| Post Condition | The user now can view/edit his profile. |
| Stakeholders and Interests Lists | Students, IN SYSTEM |
| Special Requirements | User must be registered at the IN SYSTEM portal. The account information must be securely encoded before sending it to the database for verification.  It should show proper error messages |

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| Use case #3 | Comment |
| Use Case Name | View/Edit Profile |
| Purpose | To view or edit profile details saved by the user. |
| Scope | IN System |
| Level | User goal |
| Primary Actor | UTD Students(users) |
| Supporting Actor | UTD, IN SYSTEM |
| Pre-Condition | The user must login to view/edit his profile. |
| Main Success Flow | After successful login at the IN portal, the user goes to the dashboard User clicks on View Profile hyperlink to view his profile. The system displays a form, where the user can view his profile. The user can start editing the profile by clicking on the Edit Profile Button.  User can save the changes by clicking on Save button or discard them by clicking on Cancel button. |
| Alternate Flow | System fails to retrieve profile information. |
| Post Condition | The user now can make changes to his profile by using the edit option. |
| Stakeholders and Interests Lists | Students, IN SYSTEM |
| Special Requirements | User must have an account created in the IN system |

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| Use Case #4 | Comment |
| Use Case Name | Manage preferences |
| Scope | IN System |
| Level | User-goal |
| Actors | UTD student(Primary), IN SYSTEM(Secondary) |
| Stakeholders | UTD student: Set preferences  IN SYSTEM: updates the preferences |
| Preconditions | The user needs to sign up with IN SYSTEM |
| Main Success Flow | User logs in to the IN SYSTEM portal  Use Case: Validate User is performed  Page displays the available preferences to the user  User selects the preferences based on his area of interest  IN SYSTEM updates the preferences for that user  IN SYSTEM displays message of successful operation to the user  User logs out of the IN SYSTEM |
| Alternate Flows | Invalid user (not signed up with the IN SYSTEM)  Invalid username or password  IN SYSTEM fails to update the record due to internal failure (database error) |
| Post Conditions | Successful completion  The users latest preferences gets updated under hi profile and he gets a notification on the screen  Failure condition  The old preferences are associated with the user |
| Special Requirements | IN SYSTEM must have a proper interface to the UTD students database  The preferences are based on the categorization of events in the events database |

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| Use Case #5 | Comment |
| Use Case Name | Extract events details |
| Scope | IN System |
| Level | System-goal |
| Actors | UTD events page(Primary), IN SYSTEM(Secondary) |
| Stakeholders | IN SYSTEM: extract and classify the events |
| Preconditions | UTD events and the course look up should be accessible |
| Main Success Flow | Load the UTD events page  IN SYSTEM fetches the events based on their date and time  IN SYSTEM analyzes and stores the events details in certain categories  Updates the logs after successful storage of events |
| Alternate Flows | UTD events page fails to load  IN SYSTEM fails to fetch the relevant information from the page  IN SYSTEM fails to analyze and categorize the events  IN SYSTEM fails to update the record due to internal failure (database error) |
| Post Conditions | Successful completion  The users latest preferences gets updated under hi profile and he gets a notification on the screen  Failure condition  The old preferences are associated with the user |
| Special Requirements | IN SYSTEM must have a proper interface to the UTD students database  The preferences are based on the categorization of events in the events database |

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| Use Case #6 | Comment |
| Use Case Name | Register Events |
| Scope | IN System |
| Level | User-goal |
| Actors | UTD student(Primary), IN SYSTEM(Secondary) |
| Stakeholders | UTD student: Register for the preferred events  IN SYSTEM: updates the events the user has registered for. |
| Preconditions | The user needs to give his preferences |
| Main Success Flow | User logs in to the IN SYSTEM portal  Use Case: User preferences are set  Page displays the available categories to the user to prefer.  User selects the preferences based on his area of interest  IN SYSTEM displays the events to the user based on the set preferences.  User registers for the events which are displayed.  User logs out of the IN SYSTEM |
| Alternate Flows | Invalid user (not signed up with the IN SYSTEM)  User has no set preferences.  IN SYSTEM fails to update the record due to internal failure (database error) |
| Post Conditions | Successful completion  The users preferred events are updated and he gets a notification on the screen  Failure condition  The old preferred events are associated with the user |
| Special Requirements | IN SYSTEM must have a proper interface to the UTD students database  The events are based on the categorization of events in the events database |

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| Use Case #7 | Comment |
| Use Case Name | My Events |
| Scope | IN System |
| Level | System-goal |
| Actors | UTD MyEvents page(Primary), IN SYSTEM(Secondary) |
| Stakeholders | UTD, IN SYSTEM |
| Preconditions | The user should have registered for at least one event. |
| Main Success Flow | Load the UTD My events page  IN SYSTEM fetches the events which the user has registered for.  Updates the logs after successful storage of events |
| Alternate Flows | UTD My events page fails to load  IN SYSTEM fails to fetch the relevant information from the page  IN SYSTEM fails to update the record due to internal failure (database error) |
| Post Conditions | Successful completion  The users registered events will be displayed on the page.  Failure condition  It displayed that the user is not associated with any events yet. |
| Special Requirements | IN SYSTEM must have a proper interface to the UTD students database  My Events are based on the events that the user has registered for. |

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| Use case #8 | Comment |
| Use Case Name | Send SMS/Web notification to the user |
| Scope | Intelligent Notification System(Web Based app) |
| Level | System goal |
| Primary Actor | System(UTD, IN SYSTEM) |
| Supporting Actor | UTD students |
| Pre-Condition | All the necessary extraction of the events should be done.  The event must belong to the group of preferences selected by the user. |
| Main Success Flow | The IN SYSTEM sends an SMS or an email to the user for event(s) selected according to his preferences. The user receives the notification and plans accordingly. |
| Alternate Flow | The SMS server or the email server used for notification crashes. |
| Post Condition | Students are notified about the upcoming event Via a Text message as per their preferences just 30mins to the commencement of the event. |
| Stakeholders and Interests Lists | Students, IN SYSTEM |
| Special Requirements | Timely reception of SMS by the service provider of the student’s phone. |