Name/Title:	Assignment Import
ID: UC01	
Description:	This use case enables students to upload one or more PDF syllabi so that the system can automatically extract and import assignment dates into a calendar. This minimizes manual entry, reduces errors, and saves time.
Related Use Cases:	**Instance of:** Basic Data Import **Included by:** UC02 (View Assignment Calendar) **Extensions:** UC010 (Edit Imported Syllabus)
Precondition:	The student has a PDF syllabus containing clearly identifiable assignment dates and details.
Success Postcondition:	The extracted assignment dates are successfully integrated into the system's calendar, with notifications scheduled if applicable.

USER STEPS:	SYSTEM RESPONSE:
1. The student navigates to the "Import" section of the application.	
	2. The system validates the uploaded file format.
3. The student selects and uploads the PDF file(s) containing the syllabus.	
	4. The system processes the PDF and extracts assignment details.
5. The student reviews the preview of extracted dates and confirms the import.	
	6. The system displays a preview of the imported assignments and, upon confirmation, updates the calendar accordingly.

Name/Title:	View Assignment Calendar
ID: UC02	
Description:	This use case allows students to view a consolidated calendar that displays all imported assignments. The calendar provides an organized overview of due dates, making it easier to track academic tasks.
Related Use Cases:	Instance of: Calendar Overview Inclusions: UC001 (Import Assignment Dates), UC007 (Filter and Sort Assignments)
Precondition:	Assignment data has been imported into the system.
Success Postcondition:	The student is presented with a clear, interactive calendar view of all upcoming assignments with options to filter and sort by course or date.

USER STEPS:	SYSTEM RESPONSE:
1. The student selects the "Calendar" view from the application menu.	
	2. The system retrieves all imported assignment entries from the database.
3. The student applies any desired filters (e.g., by course or due date)	
	4.The system renders these entries on an interactive calendar interface.
5. The student reviews the calendar displaying all assignment deadlines.	
	6.The system allows the user to click on specific assignments for detailed information.

Name/Title:	Update Assignment Deadlines
ID: UC03	
Description:	This use case allows students or instructors to modify assignment deadlines. When a deadline changes, the system automatically updates the associated calendar events and sends notifications to ensure all relevant parties are aware of the update.
Related Use Cases:	**Instance of:** Deadline Modification **Extensions:** UC010 (Edit Imported Syllabus)
Precondition:	The assignment already exists in the system and the user has appropriate permissions to edit it.
Success Postcondition:	The updated deadline is reflected in the calendar view and all related notifications are adjusted accordingly.

USER STEPS:	SYSTEM RESPONSE:
1. The user locates the assignment in the calendar or assignment list.	
	2. The system validates the updated deadline information.
3. The user selects the "Edit" option for the chosen assignment.	
	4.The system updates the assignment details in the database.
5. The user inputs the new deadline information and confirms the changes.	
	6.The system refreshes the calendar view and sends confirmation notifications to the user.

Name/Title:	Sync with Personal Calendar
ID: UC04	
Description:	This use case enables students to synchronize their assignment calendar with external personal calendar apps (e.g., Google Calendar, Outlook). By linking accounts, the system automatically updates external calendars with new or modified deadlines, ensuring consistency across platforms.
Related Use Cases:	**Instance of:** External Calendar Integration **Included by:** UC002 (View Assignment Calendar)
Precondition:	The student has an active account on a supported external calendar platform and has granted the necessary permissions.
Success Postcondition:	Assignment deadlines are successfully synchronized with the external calendar, and updates occur automatically when changes are made.

USER STEPS:	SYSTEM RESPONSE:
1. The student accesses the "Calendar Sync" section in the application.	
	2. The system verifies the external account credentials and permissions.
3. The student selects the external calendar service and authorizes the connection.	
	4.The system maps internal assignment dates to the external calendar format.
5. The student confirms synchronization settings and views the updated external calendar.	
	6.The system pushes the updates to the external calendar and confirms the synchronization.

Name/Title:	Receive Assignment Notifications
ID: UC05	
Description:	This use case enables the system to send timely notifications (via email or in-app alerts) regarding upcoming, updated, or overdue assignments. This helps students stay informed about deadlines and any changes that may impact their schedules.
Related Use Cases:	**Instance of:** Notification Trigger **Extensions:** UC009 (Manage Overdue Assignments)
Precondition:	The student has enabled notifications and set preferred alert times within the application settings.
Success Postcondition:	The student receives accurate and timely notifications about assignment-related events, reducing the risk of missed deadlines.

USER STEPS:	SYSTEM RESPONSE:
1. The student enables and customizes notification preferences in the settings menu.	
	2. The system monitors assignment deadlines and changes in real time.
3. The student receives alerts as assignment deadlines approach or change.	
	4.The system triggers notifications based on user-defined preferences and timing.
5. The student reviews the notifications and takes any necessary actions.	
	6.The system logs the notification events and confirms delivery.

Name/Title:	Mark Assignment as Complete
ID: UC06	
Description:	This use case allows students to mark assignments as complete once they have been submitted or finished. Updating the status helps in managing workload and provides a clear view of pending tasks versus accomplished work.
Related Use Cases:	**Instance of:** Task Completion **Included by:** UC002 (View Assignment Calendar) **Extensions:** UC011 (Archive Completed Assignments)
Precondition:	The assignment exists in the system and the student is the authorized user for that entry.
Success Postcondition:	The assignment status updates to "complete," and it is visually distinguished in the calendar or assignment list.

USER STEPS:	SYSTEM RESPONSE:
1. The student navigates to the assignment in the calendar or list view.	
	2. The system verifies the assignment details and the user's permissions.
3. The student selects the "Mark as Complete" option for the chosen assignment.	
	4. The system updates the assignment status to "complete" in the database.
5. The student confirms the action.	
	6. The system refreshes the view to reflect the status change and cancels any pending notifications for that assignment.

Name/Title:	Filter and Sort Assignments
ID: UC07	
Description:	This use case allows students to filter and sort assignments by parameters such as course, due date, and completion status. This functionality improves navigation and enables users to focus on specific subsets of their academic tasks.
Related Use Cases:	**Instance of:** Data Organization **Included by:** UC002 (View Assignment Calendar)
Precondition:	Assignment data has been imported into the system and includes metadata like course names and deadlines.
Success Postcondition:	The user is presented with a refined view of assignments based on the selected filters and sorting criteria.

USER STEPS:	SYSTEM RESPONSE:
1. The student selects filter and sort options from the calendar or assignment dashboard.	
	2. The system processes the filter and sort criteria.
3. The student applies filters (e.g., by course or due date) and chooses the sort order.	
	4.The system queries the assignment database for matching entries.
5. The student reviews the updated list or calendar view.	
	6. The system updates the display with the filtered and sorted assignment list.

Name/Title:	**Generate Assignment Summary Report**
ID: UC08	
Description:	This use case provides students with the ability to generate a comprehensive report summarizing upcoming, completed, and overdue assignments. The report can be downloaded or viewed within the app, offering insights into academic progress and workload management.
Related Use Cases:	**Instance of:** Reporting **Inclusions:** UC002 (View Assignment Calendar), UC006 (Mark Assignment as Complete)
Precondition:	Sufficient assignment data is available, and the student has specified a report timeframe or parameters.
Success Postcondition:	The student successfully receives a summary report detailing assignment statuses, which can be exported in formats such as PDF or CSV.

USER STEPS:	SYSTEM RESPONSE:
1. The student navigates to the "Reports" section in the application.	
	2. The system compiles the assignment data according to the selected parameters.
3. The student selects the type of report and specifies any necessary parameters (e.g., date range).	
	4. The system generates a formatted report.
5. The student downloads or views the generated report.	6. The system provides an option for the student to download or view the report online.

Name/Title:	Manage Overdue Assignments
ID: UC09	
Description:	This use case focuses on identifying and managing assignments that have exceeded their deadlines. The system flags overdue assignments and offers options for rescheduling or requesting extensions, thereby helping students to prioritize tasks and mitigate stress.
Related Use Cases:	**Instance of:** Overdue Management **Included by:** UC005 (Receive Assignment Notifications)
Precondition:	Some assignments have passed their due dates and remain incomplete in the system.
Success Postcondition:	Overdue assignments are clearly highlighted, and the student receives suggestions or options to manage these tasks (e.g., reschedule or request help).

USER STEPS:	SYSTEM RESPONSE:
1. The student reviews the calendar or dashboard where overdue assignments are highlighted.	
	2. The system detects overdue assignments based on the current date and stored deadlines.
3. The student selects an overdue assignment to view available actions.	
	4. The system highlights these assignments in the interface.
5. The student chooses to reschedule or mark the assignment for follow-up.	
	6. The system offers actionable options, such as rescheduling or requesting an extension, and confirms any updates made.

Name/Title:	Edit Imported Syllabus Information
ID: UC10	
Description:	This use case allows students to manually review and edit assignment details that were automatically extracted from uploaded syllabi. This correction mechanism ensures that any errors or misinterpretations during the import process can be rectified for accuracy.
Related Use Cases:	Instance of: Data Correction Included by: UC001 (Import Assignment Dates), UC003 (Update Assignment Deadlines)
Precondition:	Assignment data has been automatically imported from a syllabus, and discrepancies are detected or reported by the student.
Success Postcondition:	The edited assignment details are accurately updated in the system, reflecting correct deadlines and assignment information.

USER STEPS:	SYSTEM RESPONSE:
1. The student accesses the imported assignment details via a review interface.	
	2. The system validates the updated information against basic format and consistency rules.
3. The student identifies and selects any fields that require correction.	
	4.The system updates the assignment record in the database.
5. The student enters the correct information and saves the changes.	
	6.The system confirms the changes and refreshes the display with the updated data.

Name/Title:	Archive Completed Assignments
ID: UC11	
Description:	This use case provides functionality to archive assignments that have been marked as complete. Archiving helps maintain a clutter-free active calendar while preserving historical data for reference or performance tracking.
Related Use Cases:	Instance of: Data Archiving Included by: UC006 (Mark Assignment as Complete)
Precondition:	There exists a set of assignments that are marked as complete and are no longer actively needed on the primary calendar view.
Success Postcondition:	Completed assignments are moved to an archive section, making the active calendar easier to navigate while still keeping a record for future reference.

USER STEPS:	SYSTEM RESPONSE:
1. The student navigates to the "Completed Assignments" or "Archive" section.	
	2. The system identifies and groups assignments marked as complete.
3. The student selects the assignments to be archived or uses a bulk archive option.	
	4.The system moves the selected assignments from the active view to the archive.
5. The student confirms the archiving action.	
	6.The system confirms the successful archiving of assignments.

Name/Title:	Search and Locate Assignments
ID: UC12	
Description:	This use case allows students to quickly locate specific assignments by entering keywords, course names, or dates. A robust search function enhances usability by enabling rapid filtering of large sets of assignment data.
Related Use Cases:	**Instance of:** Search Functionality **Included by:** UC007 (Filter and Sort Assignments)
Precondition:	The system must have a sufficient volume of assignment data with associated metadata (course names, keywords, due dates).

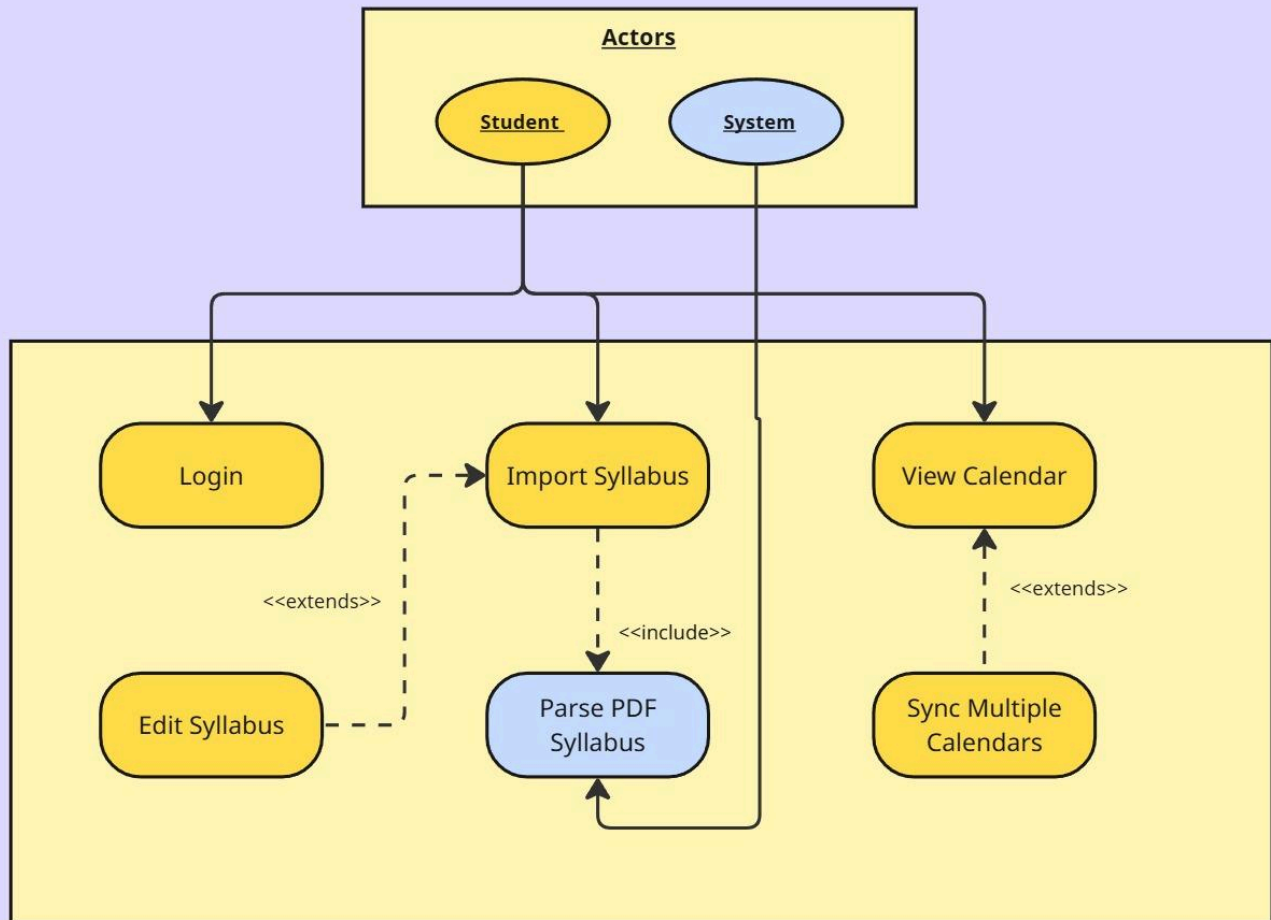| Success Postcondition:	
	The search results accurately display assignments that match the query criteria, enabling the student to quickly locate the desired information.

USER STEPS:	SYSTEM RESPONSE:
1. The student enters a search query into the search bar.	
	2. The system processes the search query and matches it against assignment metadata.
3. The student reviews the list of assignments that match the query.	
	4.The system retrieves and displays a list of assignments that match the criteria.
5. The student selects a specific assignment for more detailed information.	
	6.The system allows the student to click on a result for full details and possible actions.

Assignment Import and viewing

Actors

- **Student**
- **System**

- Login
- Import Syllabus
- View Calendar
- Edit Syllabus
- Parse PDF Syllabus
- Sync Multiple Calendars

<<extends>>

<<include>>

<<extends>>

Tracking assignments

Actors

Student

System

View Calendar

Track Assignments

Enable Assignment Notifications

<<extends>>

<<extends>>

<<include>>

Archive Assignment

Mark Assignment complete

System check assignement status

<<extends>>

Notify the User about Overdue Assignement