Neeley Business

Open Planner
Use Cases

Version <0.1>

Revision History

Date	Version	Description	Author
28/09/2022	0.1	Initial Draft	Shawn Fahimi, Alex Roa, Thuong Hoang, Tanmay Kejriwal
27/02/23	.2	Rough Final Draft	Alex Roa

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Use Cases

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Use Case : User Creates Account

UC ID and Name:	UC-1: Create Account		
Created By:	Thuong Hoang & Shawn Fahimi	Date Created:	01/10/2022
Primary Actor:	User	Secondary Actors:	Admin
Trigger:	The User indicates that he/she would like to create an account.		
Description:	The User wants to use the product and decides to create an account to start generating their events and calendars.		
Preconditions:	PRE-1: User does not have an account		
Postconditions:	POST-1. The Student has an account.		
Main Success Scenario:	1. The User indicates that he/she would like to create an Open Planner account. 2. System shows insite account creation or students can connect with a Google account. 3. User submits Name, Email, Phone Number, and Password. 4. The System validates that a valid Email Address and Password were entered. 5. The System notifies the user that the account was successfully created. 6. Student will be able to see account settings 7. Student will see the empty master calendar 8. Student will see the full functionality of a Student account 9. Use case ends.		

Extensions:	**4a. System finds a duplicate account through email**
	    4a1. The system will alert the student of an account with existing email
	    4a2. The student can correct the information and return back to step 3
	4b. System finds that an invalid password (less than 8 characters) was entered
	    4b1. The System will notify the student to enter a Password with 8 or more characters
	    4b2. The Student will enter in a new password upon returning back to step 3.		

Priority:	High		
Frequency of Use:	Often, will be used about 50 times per week.		
Business Rules:	Security/access concerns.		
Associated Information:	Details:		

Property name	Data type	Changeability	Validation rule	Effect of change	Reference to glossary
First name	String	Yes	Required	Updated first name will be reflected in the Student's profile.	
Last name	String	Yes	Required	Updated last name will be reflected in the Student's profile.	
Phone number	String	Yes	Optional, (999) 999-9999 format	Updated phone number will be reflected in the Student's profile.	

		Email	String	Yes	Required, valid email	Updated Email will be reflected in the Student's profile	
		Password	String	Yes	Required, must be at least 8 characters.	Updated Password will be reflected in the Student's profile.	

Duplication detection rules:
- Email must not be associated with an already existing account

Notification:
- The System sends the Student an email message confirming the created account
- The System sends a notification to the Admin

The User shall be able to cancel the use case at any time prior to creating an account.

Related Use Cases	● UC-5: Update Event ● UC-4: Delete Event ● UC-3: Add event ● UC-2: Add Syllabus ● UC-6: Drop Class ● UC-7: Generate Master Calendar
Assumptions:	N/A
Open Issues:	N/A

Use Case : Student Adds Syllabus

The Student can add a syllabus or multiple syllabi to their account

UC ID and Name:	UC-2: Add Syllabus
Created By:	Shawn Fahimi & Thuong Hoang	Date Created:	01/10/2022
Primary Actor:	Student	Secondary Actors:	N/A
Trigger:	The student indicates they want to add syllabi for a course they are taking
Description:	The Student wants to add one or more syllabi to his/her account for the System to parse for events to add to the calendar. The System will display the events of the courses, and the student can verify or update events accordingly.
Preconditions:	PRE-1. The Student has an account. The Student must have PDF versions of their syllabi.
Postconditions:	POST-1. The Student's events from the syllabi are added to the database. POST-2. The Student's Master Calendar will be updated with the new events.
Main Success Scenario:	1. The Student indicates that he/she wants to add a syllabus to their account 2. The System retrieves the specified request and asks the Student to upload the syllabus PDF files they would like to upload. 3. The Student adds these syllabi from their device's files. 4. The System validates each of the Student's files with the System's corresponding format. 5. The System asks the Student to validate that he/she would like to add these courses to his/her profile and associated dates with the account's calendar. 6. The Student confirms the events and calendar dates. 7. The System parses each PDF for the schedule of major assignments and exams. 8. The System presents the Student a list of assignment/exam dates extracted from each syllabus and prompts the Student to confirm that he/she would like to add these events to his/her account calendar. 9. The System adds major dates for each course to the account's calendar based on the schedule it extracts from each PDF. 10. The System takes the Student back to their updated account calendar. 11. Use case ends.
Extensions:	**4a. File validation rule violation** 4a1. The System alerts the Student that a valid course section, course number, professor name, or course name could not be extracted from one of the uploaded PDF's then go to step 3. 4a2. The System could not parse the syllabi and alerts the Student. The Student will be taken back to step 3. 4a3. The Student either uploads a proper PDF, continues without uploading the PDF, or exits the use case. Open Planner terminates request.
Priority:	High
Frequency of Use:	Every user will have a minimum of 3 usages within the first few weeks of a semester.
Business Rules:	N/A
Associated Information:	Details:

Property name	Data type	Changeability	Validation rule	Effect of change	Warning	Reference to glossary
Date	Date (MM-	Yes	Date must be a valid	The updated date will be		

		DD-Y YYY)		date (Month in the range of 01-12, Day in the range of 01-31)	reflected in the Student's master calendar.		
	Time	Time (HH: MM AM/P M)	Yes	Time must be in a valid format (HH 01-12, MM 00-59)	The updated time will be reflected in the Student's master calendar.		
	Event Name	String	Yes	Required	Updated Event Name will be reflected in the Student's calendar.		
	Course Name	String	Yes	Required	Updated Course Name will be reflected in the Student's calendar.		
	Course Section	String	Yes	Required	Updated Section number will be reflected in the Student's calendar.		
	Professor	String	Yes	Required	Updated Professor name will be reflected in the Student's calendar		

Notification:
- The System notifies the Student of successfully adding the courses and syllabi events into the Student's master calendar.

The Student shall be able to cancel the use case at any time prior to submitting it.

Related Use Cases:	• UC-5: Update Event • UC-4: Delete Event • UC-3: Add Event
Assumptions:	N/A
Open Issues:	N/A

Use Case : Student Adds Event

UC ID and Name:	UC-3: Add Event
Created By:	Shawn Fahimi Date Created: 01/10/2022
Primary Actor:	Student Secondary Actors: N/A
Trigger:	A Student indicates that they would like to add an event to their account calendar.
Description:	A Student would like to add a personal Event (whether it be a personal event, assignment due date, or exam date) to his/her calendar and see this event reflected in his/her calendar afterwards.
Preconditions:	PRE-1. The Student has an account.
Postconditions:	POST-1. The Student's calendar is updated with the Event added.
Main Success Scenario:	1. The Student indicates that he/she would like to add an Event to their account calendar. 2. The System asks the Student to fill in all pertinent information for the Event they would like to add (Event Name, Date, Time, Associated Class (optional)) 3. The Student enters the requested information. 4. The System validates that the Event information satisfies the Event constraints. 5. The System asks the Student to validate that he/she would like to add this event to their account calendar. 6. The Student confirms the addition. 7. The System updates the Student's calendar with the event added. 8. Use case ends.

Extensions:	**2a. Invalid Date/Time entry**
	     2a1. The system will alert the student that an invalid date and/or time was entered.
	     2a2. The Student can correct the information and return back to step 3

Priority:	High
Frequency of Use:	Approximately *** users, approximately 30 usages per week.
Business Rules:	N/A
Associated Information:	Details:

Property name	Data type	Changeability	Validation rule	Effect of change	Warning	Reference to glossary
Date	Date (MM-DD-YYYY)	Yes	Date must be a valid date (Month in the range of 01-12, Day in the range of 01-31)	The updated date will be reflected in the Student's master calendar.		
Time	Time (HH:MM AM/PM)	Yes	Time must be in a valid format (HH 01-12, MM 00-59)			
Event Name	String	Yes	Required	Updated Event Name will		

					be reflected in the Student's calendar.		
	Course Name	String	Yes	Optional	Updated Course Name will be reflected in the Student's calendar.		
	Professor	String	Yes	Optional	Updated Professor name will be reflected in the Student's calendar		
	Course Section	String	Yes	Optional	Updated Section number will be reflected in the Student's calendar		

Notification:
- The System sends a notification to the Student of the added Event via email.
The Student shall be able to cancel the process at any time prior to submitting it.

Related Use Cases:	● UC-5: Update Event ● UC-4: Delete Event
Assumptions:	N/A
Open Issues:	N/A

Use Case : Student Deletes Event

UC ID and Name:	UC-4: Delete Event		
Created By:	Shawn Fahimi	Date Created:	01/10/2022
Primary Actor:	Student	Secondary Actors:	N/A
Trigger:	The Student indicates that they would like to remove an event from their calendar		
Description:	The Student wants to delete an Event and see this Event removed from his/her calendar.		
Preconditions:	PRE-1. The Student has an account. PRE-2. There exists at least one Event in the calendar		
Postconditions:	POST-1. The Student's account calendar is updated with the selected event removed.		
Main Success Scenario:	1. The Student indicates to remove a selected event from their account calendar. 2. The System displays all pertinent event information and asks the Student to validate that he/she would like to remove the event from the calendar. 3. The Student approves the request. 4. The System updates the account calendar by removing the selected Event. 5. The System indicates that the removal was successful and redirects the Student back to his/her account calendar. 6. Use case ends.		
Extensions:	N/A		
Priority:	High		
Frequency of Use:	Approximately *** users, approximately 25 uses per week.		
Business Rules:	N/A		
Associated Information:	Notification: ● The System sends a notification to the Student of the deleted Event via email. The Student shall be able to cancel the process at any time prior to submitting the request for Event deletion.		
Related Use Cases:	N/A		
Assumptions:	N/A		
Open Issues:	N/A		

Use Case : Student Updates Event

UC ID and Name:	UC-5: Update Event		
Created By:	Shawn Fahimi	Date Created:	01/10/2022
Primary Actor:	Student	Secondary Actors:	N/A
Trigger:	The Student indicates that they would like to update an Event from their calendar.		
Description:	The Student wants to update the date, time, and/or name of an Event and see these changes reflected in his/her master calendar.		
Preconditions:	PRE-1. The Student has an account. PRE-2. The Student has at least one event in their account calendar.		
Postconditions:	POST-1. The event is updated in the Student's calendar with the new fields that the Student updated.		
Main Success Scenario:	1. The Student indicates that he/she would like to update a specific event's information. 2. The System asks the Student what attributes of the selected event the Student would like to alter and to what values the Student would like to adjust these attributes to.		

	3. The Student selects and enters the new attributes (either event name, date, or time) he/she would like to update. 4. The System validates that valid date/time constraints are met in the updated information (i.e. a valid date and/or time has been entered if updated). 5. The System prompts the Student to validate that they would like to update the event in the calendar to reflect these changes. 6. The Student agrees to the changes in event information entered. 7. The System updates the event attributes to these new values and updates the account calendar to reflect these changes. 8. Use case ends.
Extensions:	**2a. Invalid Date/Time entry** 2a1. The system will alert the student that an invalid date and/or time was entered. 2a2. The Student can correct the information and return back to step 3
Priority:	High
Frequency of Use:	Approximately *** users, about 30 uses per week.
Business Rules:	N/A
Associated Information:	Details: | Property name	Data type	Changeability	Validation rule	Effect of change	Warning	Reference to glossary
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Date	Date (MM-DD-YYYY)	Yes	Date must be a valid date (Month in the range of 01-12, Day in the range of 01-31)	The updated date will be reflected in the Student's master calendar.		
Time	Time (HH:MM AM/PM)	Yes	Time must be in a valid format (HH 01-12, MM 00-59)	The updated time will be reflected in the Student's master calendar.		
Event Name	String	Yes	Required	Updated Event Name will be reflected in the Student's calendar.			 Notification: ● The System sends a notification to the Student of the updated Event via email. The Student shall be able to cancel the process at any time prior to submitting the Event update request.
Related Use Cases:	N/A
Assumptions:	N/A
Open Issues:	N/A

Use Case : Student Filters Calendar

UC ID and Name:	UC-6: Filter Calendar
Created By:	Alex Roa **Date Created:** 02/10/2022
Primary Actor:	Student **Secondary Actors:** N/A
Trigger:	The Student indicates that he/she would like to filter his/her account calendar to show Events of a specific type.
Description:	The Student would like to filter their master calendar to display events of their choosing
Preconditions:	PRE-1. The Student is logged into his/her account. PRE-2: The Student has at least two or more Events in his/her account calendar.
Postconditions:	POST-1. The student's master calendar displays the events filtered as requested
Main Success Scenario:	1. The Student indicates on his/her profile that he/she would like to filter their calendar view 2. The System prompts the Student to indicate how he would like to filter calendar Events (either by class or event type (assignments/exams/personal)) 3. The Student confirms the filter request. 4. The System notifies the Student that his/her profile was successfully updated. 5. The master calendar is updated to reflect the changes and is visible to the Student. 6. Use case ends.
Extensions:	**3a. There aren't enough events in the given Event** 3b1. The System alerts the student that there are not enough events on student's calendar to filter 3b2. The System ends the process for the Student.
Priority:	High
Frequency of Use:	Approximately *** users, average of 25 usages per week.
Business Rules:	N/A
Associated Information:	N/A
Related Use Cases:	N/A
Assumptions:	N/A
Open Issues:	N/A

Use Case : Student Edits Filter Color

UC ID and Name:	UC-7: Student Edits Filter Color		
Created By:	Alex Roa	Date Created:	02/10/2022
Primary Actor:	Student	Secondary Actors:	
Trigger:	The Student indicates that he/she would like to edit the filter colors assigned to a calendar		
Description:	The Student would like to edit the filter color information linked to the calendars stored on their account, which will be reflected in the Student's calendars in the future.		
Preconditions:	PRE-1. The Student is logged into his/her account.		
Postconditions:	POST-1. The Student's calendar reflects the updated profile information he/she enters.		
Main Success Scenario:	1. The Student indicates that he/she would like to edit the filter colors assigned to a calendar 2. The System prompts the Student to indicate which calendars (Calendar 1, 2, 3, etc) he/she would like to edit the filter color for, and what colors the filters should be updated to. 3. The Student inputs the preferred filter he/she would like to update among the presented calendar choices. 4. The System prompts the Student to confirm that he/she would like to update the preferred filter he/she would like to update among the presented calendar choices. 5. The Student confirms the edit request. 6. The System updates the Student's indicated profile fields to the requested values. 7. The Student's Calendar Filter Colors on his/her profile are successfully updated. 8. Use case ends.		

Extensions:	**4a. System finds a duplicate account through email**
	    4a1. The system will alert the student of an account with existing email
	    4a2. The student can correct the information and return back to step 3
	4b. System finds that an invalid password (less than 8 characters) was entered
	    4b1. The System will notify the student to enter a Password with 8 or more characters
	    4b2. The Student will enter in a new password upon returning back to step 3.		

Priority:	High		
Frequency of Use:	Approximately 1 user, average of one usage per week.		
Business Rules:	N/A		
Associated Information:	Details: <table><tr><th>Property name</th><th>Data type</th><th>Changeability</th><th>Validation rule</th><th>Effect of change</th><th>Reference to glossary</th></tr><tr><td>First name</td><td>String</td><td>Yes</td><td>Required</td><td>Updated first name will be reflected in the Student's profile.</td><td></td></tr><tr><td>Last name</td><td>String</td><td>Yes</td><td>Required</td><td>Updated last name will be reflected in the Student's profile.</td><td></td></tr><tr><td>Phone number</td><td>String</td><td>Yes</td><td>Optional, (999) 999-9999 format</td><td>Updated phone number will be reflected</td><td></td></tr></table>		

					in the Student's profile.	
	Email	String	Yes	Required, valid email	Updated Email will be reflected in the Student's profile	
	Password	String	Yes	Required, at least 8 characters.	Updated password will be reflected in the Student's profile.	

Notification:
- The System notifies the Student that he/she edited his/her information via Email

The Student shall be able to cancel the process at any time prior to submitting the updated profile information.

Related Use Cases:	UC-8: Student Filters Calendar
Assumptions:	N/A
Open Issues:	N/A

Use Case : Student Provides Feedback

UC ID and Name:	UC-8: Provide Feedback		
Created By:	Alex Roa	Date Created:	02/10/2022
Primary Actor:	Student	Secondary Actors:	Admin
Trigger:	The Student indicates that he/she would like to submit a feedback ticket.		
Description:	The student wants to submit any form of feedback to the OpenPlanner platform.		
Preconditions:	PRE-1. The Student is logged into his/her Open Planner account.		
Postconditions:	POST-1. The feedback ticket is submitted in the System and sent to an Admin.		
Main Success Scenario:	1. The Student makes feedback request from online submission system 2. The System prompts the Student to enter his/her feedback ticket. 3. The Student enters his/her feedback into the provided field. 4. The System asks the Student to confirm that he/she would like to submit this feedback ticket. 5. The Student confirms the request. 6. System notifies that feedback submission was successful 7. Use case ends.		
Extensions:	N/A		
Priority:	High		
Frequency of Use:	Approximately *** users, average of 5 usages per day.		
Business Rules:	N/A		
Associated Information:	Notification: ● The System sends a notification to the Student confirming submission via email. ● The System sends a notification to the assigned Admin about the feedback via dashboard and email.		

	The Student can cancel the request at any point prior to confirming submission of the feedback ticket.
Related Use Cases:	UC-11: Resolve Feedback
Assumptions:	N/A
Open Issues:	N/A

Use Case : Admin Resolves Feedback

UC ID and Name:	UC-9: Admin Resolves Feedback		
Created By:	Alex Roa	Date Created:	02/10/2022
Primary Actor:	Admin	Secondary Actors:	Student
Trigger:	The Admin wants to resolve a feedback ticket submitted by a Student.		
Description:	Once a student submits feedback, feedback will be sent to an admin, who may resolve or respond to the feedback ticket.		
Preconditions:	PRE-1. The Admin is logged into the System.		
Postconditions:	POST-1. The feedback ticket is marked as answered in the System.		
Main Success Scenario:	1. The Admin indicates that he/she would like to resolve a feedback ticket. 2. The System prompts the Admin to select a feedback ticket to resolve. 3. The Admin selects a feedback ticket to resolve. 4. The System prompts the Admin to enter his/her response to the feedback ticket. 5. The Admin enters his/her response to the feedback ticket. 6. The System asks the Admin to confirm that he/she would like to submit this response to the selected feedback ticket. 7. The Admin confirms that he/she would like to submit this response and to mark the feedback ticket as resolved. 8. The System processes the response and marks the feedback ticket as resolved. 9. Use case ends.		
Extensions:	N/A		
Priority:	High		
Frequency of Use:	Approximately 2 users (admins), 10-15 usages per week.		
Business Rules:	N/A		
Associated Information:	Notification: ● The System sends a notification to the Admin confirming the resolved ticket via email. ● The System sends a notification to the Student about the resolved feedback and response via email. The Admin can cancel the request at any point prior to confirming submission of the feedback response.		
Related Use Cases	UC-10: Provide Feedback		
Assumptions:	N/A		
Open Issues:	N/A		

Use Case : Admin updates PDF Events

UC ID and Name:	UC-10: Admin updates PDF Events		
Created By:	Alex Roa	Date Created:	02/10/2022
Primary Actor:	Admin	Secondary Actors:	Student
Trigger:	The Admin wants to update event data associated with a particular PDF		
Description:	Once the admin updates event data associate with a PDF, all students who have that PDF on their account will receive updated events to his/her calendar		
Preconditions:	PRE-1. The Admin is logged into the System.		
Postconditions:	POST-1. PDF Event data is updated		
Main Success Scenario:	1. The Admin indicates that he/she would like to update events pertaining to a given PDF 2. The System prompts the Admin to select a PDF to update. 3. The Admin selects a PDF to update. 4. The System prompts the Admin to enter the updated event data for the given PDF. 5. The Admin enters the updated event data for the given PDF 6. The System asks the Admin to confirm that he/she would like to submit this new event data for the given PDF 7. The Admin confirms that he/she would like to submit this data and to mark the PDF events as Updated 8. The System processes the response and marks the feedback ticket as resolved. 9. Use case ends.		
Extensions:	N/A		
Priority:	High		
Frequency of Use:	Approximately 2 users (admins), 5-7 usages per week.		
Business Rules:	N/A		

Associated Information:	Notification:
	    ● The System sends a notification to the Admin confirming the resolved ticket via email.
	    ● The System sends a notification to the Student about the resolved feedback and response via email.
	The Admin can cancel the request at any point prior to confirming submission of the feedback response.		

Related Use Cases	UC-5: Student Updates Event		
Assumptions:	N/A		
Open Issues:	N/A		

Use Case : Admin Creates Admin user

UC ID and Name:	UC-11: Admin Creates Admin user

Created By:	Alex Roa	Date Created:	02/10/2022
Primary Actor:	Admin	Secondary Actors:	Student

Trigger:	The Admin wants to resolve a feedback ticket submitted by a Student.
Description:	Once a student submits feedback, feedback will be sent to an admin, who may resolve or respond to the feedback ticket.
Preconditions:	PRE-1. The Admin is logged into the System.
Postconditions:	POST-1. The feedback ticket is marked as answered in the System.
Main Success Scenario:	1. The Admin indicates that he/she would like to add another admin user. 2. The System prompts the current Admin to enter all the information pertaining to the new admin account 3. The Admin inputs all relevant admin user data to add. 6. The System asks the Admin to confirm that he/she would like to submit this response to the selected admin addition 7. The Admin confirms that he/she would like to submit this response and to add the new admin user 8. The System processes the response and marks the admin user as added. 9. Use case ends.
Extensions:	N/A
Priority:	High
Frequency of Use:	Approximately 2 users (admins), 1-2 usages per week.
Business Rules:	N/A
Associated Information:	Notification: • The System sends a notification to the Admin confirming the addition • The System sends a notification to the Admin about their account being added
Related Use Cases	UC-12: Admin Removes Admin User
Assumptions:	N/A
Open Issues:	N/A

Use Case : Admin Removes Admin user

UC ID and Name:	UC-12: Admin can delete admin user		
Created By:	Alex Roa	Date Created:	02/10/2022
Primary Actor:	Admin	Secondary Actors:	Student
Trigger:	The Admin wants to remove another admin user registered in the system		
Description:	Admin will indicate they want to remove another admin user, and then that user's data will be removed from the system		
Preconditions:	PRE-1. The Admin is logged into the System.		
Postconditions:	POST-1. The Indicated Admin User is removed from the system		
Main Success Scenario:	1. The Admin indicates that he/she would like to remove another admin user. 2. The System prompts the Admin to select an admin user to remove. 3. The Admin selects an admin user to remove. 6. The System asks the Admin to confirm that he/she would like to submit this response to the selected admin removal 7. The Admin confirms that he/she would like to submit this response and to remove the admin user 8. The System processes the response and marks the admin user as removed. 9. Use case ends.		
Extensions:	N/A		
Priority:	High		
Frequency of Use:	Approximately 2 users (admins), 1-2 usages per week.		
Business Rules:	N/A		
Associated Information:	Notification: ● The System sends a notification to the Admin confirming the removed ● The System sends a notification to the Admin about their account being removed		
Related Use Cases	UC-11: Admin adds Admin User		
Assumptions:	N/A		
Open Issues:	N/A		