Yoga Center Management System

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| ID and Name: | **UC-1 Managing classes** | | |
| Created By: | me | Date Created: |  |
| Primary Actor: | Administrator | Secondary Actors: | Yoga Center Classes System |
| Description: | An administrator manages classes including the actions of adding, removing and modifying the contents of certain classes. | | |
| Trigger: | The administrator notices outdated/misinformation | | |
| Preconditions: | * The Yoga Center Management System is updated with the new class and membership information. * Reports generated by the system provide accurate data for analysis and decision-making. | | |
| Postconditions: | POST-1. Meal order is stored in COS with a status of “Accepted”.  POST-2. Inventory of available food items is updated to reflect items in this order.  POST-3. Remaining delivery capacity for the requested time window is updated. | | |
| Normal Flow: | **1.0 Administrator manages a singular element**   1. Administrator accesses Yoga Center Management System. 2. Administrator modifies existing classes: updates class information. 3. Administrator adds new classes: enters class details and confirms creation. 4. Administrator deletes classes: selects and confirms deletion. 5. Administrator manages class enrollments: adds/removes members. 6. Administrator assigns substitute instructor: selects class and substitute instructor. 7. Administrator views class schedule: verifies overall schedule.   Administrator returns to main menu. | | |
| Alternative Flows: | **1.1 Administrator manages multiple elements**   1. Administrator accesses Yoga Center Management System. 2. Administrator modifies existing classes: updates class information. 3. Administrator adds new classes: enters class details and confirms creation. 4. Administrator deletes classes: selects and confirms deletion. 5. Administrator manages class enrollments: adds/removes members. 6. Administrator assigns substitute instructor: selects class and substitute instructor. 7. Administrator views class schedule: verifies overall schedule. 8. Administrator returns to main menu. | | |
| Exceptions: | 1. Class not found: The Administrator is notified if the selected class does not exist and returns to the main menu. 2. Enrolled members in class: A warning message is displayed if there are enrolled members in the class. The Administrator confirms the action to proceed, removing enrolled members and notifying the success. 3. Pending payments or unpaid dues: A warning message is shown if there are pending payments or unpaid dues for the class. The Administrator acknowledges and proceeds, updating the class and clearing the payments or dues. 4. Class in progress: If the class has already started or is in progress, a message indicates the current session. The Administrator acknowledges and returns to the main menu. 5. Error or technical issue: The Administrator is notified of any encountered errors. They report the issue to the technical support team and return to the main menu. | | |
| Priority: | High | | |
| Frequency of Use: | Frequency can range from daily to weekly depending on scheduling, instructor availability. Peak usage ranging from 7AM to 5PM. | | |
| Business Rules: | **BR-2,BR-26** | | |
| Other Information: | 1. Attendees are able to cancel their subscription with refunds depending on their attendance to the subscribed class. 2. Trainees are able to view their current subscribed classes as well as the ability to view past transactions | | |
| Assumptions: | 1. Admin has access to a reliable Yoga Center Management System. 2. Admin is proficient in using the system and understands its features. 3. Admin has necessary permissions to manage classes. 4. Admin has accurate information on class capacities and resources. 5. Admin coordinates with instructors for scheduling and resolving conflicts. 6. Admin optimizes schedules for member convenience and resource utilization. 7. Admin handles class cancellations and rescheduling effectively. 8. Admin considers member feedback and market trends for decision-making. 9. Admin collaborates with stakeholders for smooth operations and promotion. | | |

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| ID and Name: | **UC-2 Online booking and Payment method** | | |
| Created By: | me | Date Created: |  |
| Primary Actor: | Attendees | Secondary Actors: | Yoga Center Classes System |
| Description: | An attendee confirms the registration for a class and the payment method | | |
| Trigger: | The class registration is initiated | | |
| Preconditions: | The Yoga Center Management System is installed and running.  The Yoga Center has an online platform for class bookings and payments.  The member has an active account on the Yoga Center's online platform. | | |
| Postconditions: | The member's booking is confirmed and reflected in the Yoga Center Management System.  The member's payment is successfully processed and recorded.  The Yoga Center updates the class attendance records based on the online bookings. | | |
| Normal Flow: | 1. **A Successful Transaction is made** 2. The Yoga Center member logs in to the online platform. 3. The member navigates to the class schedule or booking section. 4. The system displays the available yoga classes with details such as class name, instructor, schedule, and remaining slots. 5. The member selects a desired class from the available options. 6. The system presents the class details, including date, time, location, and any special requirements. 7. The member confirms their intention to book the class. 8. The system checks the member's availability and ensures that there are available slots in the selected class. 9. The system reserves a slot for the member and updates the class's remaining slots. 10. The member proceeds to the payment section. 11. The system displays the total amount due for the selected class. 12. The member selects the preferred payment method (e.g., credit card, online payment service). 13. The member provides the necessary payment information. 14. The system processes the payment securely and confirms the successful transaction. 15. The system updates the member's booking and payment details. 16. The member receives a confirmation email or notification with the class details and payment receipt. 17. The member logs out of the online platform. | | |
| Alternative Flows: | **1.1 Alternatives for reserving a class**  1. Waitlist: The member can choose to be added to the waitlist for the class.  2. Select a different class: The system suggests alternative classes that have available slots.  -If the member chooses an alternative class:  +The system reserves a slot and proceeds with the payment process.  +If the member does not find any suitable alternative, they can cancel the booking process.  -If the member chooses to be added to the waitlist:  +The system adds the member to the waitlist for the class.  +If a slot becomes available due to a cancellation or increased capacity, the system automatically reserves the slot for the member and notifies them. | | |
| Exceptions: | -Retry: The member can attempt to retry the booking process.  -Contact Support: The member can reach out to the support team for assistance.  +The member can cancel the booking process or try again later while waiting for support. | | |
| Priority: | High | | |
| Frequency of Use: | Frequency can range from daily to weekly depending on scheduling. Peak usage ranging from 7AM to 5PM. | | |
| Business Rules: | **BR-2,BR-26** | | |
| Other Information: | 1. Attendees are able to cancel their subscription with refunds depending on their attendance to the subscribed class. 2. Attendees are able to cancel the request to register for a class aswell as an unfinished transaction. | | |
| Assumptions: | 1. The Yoga Center has an online platform for members to access class schedules and make bookings. 2. The member has a valid account and login credentials for the online platform. 3. The system accurately displays the class schedule with details such as class name, instructor, schedule, and available slots. 4. The member can select a desired class from the available options. 5. The system presents the class details including date, time, location, and any special requirements. 6. The member confirms their intention to book the class. 7. The system checks the member's availability and ensures there are available slots in the selected class. 8. The system reserves a slot for the member and updates the class's remaining slots. 9. The member proceeds to the payment section. 10. The system displays the total amount due for the selected class. 11. The member selects a preferred payment method. 12. The member provides the necessary payment information. 13. The system securely processes the payment and confirms the successful transaction. 14. The system updates the member's booking and payment details. 15. The member receives a confirmation email or notification with the class details and payment receipt. 16. The member can log out of the online platform. | | |

Use Case: Trainer Schedule Management

Use case name: Trainer Schedule Management

Primary actor: Trainer

Goal: The goal of this use case is to allow trainers to manage their schedules, view assigned classes, and make necessary updates within the Yoga Center Management System.

Preconditions:

1. The Yoga Center Management System is installed and running.
2. The trainer is logged in and has appropriate permissions.
3. The trainer is registered in the system with their relevant information.

* Main Success Scenario:
  1. The trainer logs in to the Yoga Center Management System.
  2. The system presents the trainer's dashboard, displaying their upcoming schedule and assigned classes.
  3. The trainer selects the "Manage Schedule" or "View Classes" option.
  4. The system displays the trainer's schedule, showing the date, time, and location of each assigned class.
  5. The trainer can view additional details of each class, such as class name, duration, and expected attendance.
  6. If needed, the trainer can request changes to the schedule or class assignments.
  7. The trainer selects a class to make an update or request a change.
  8. The system provides options for updating class details, such as rescheduling, canceling, or requesting a substitute instructor.
  9. The trainer selects the desired option and provides any necessary details or reasons for the change.
  10. The system processes the update or change request and notifies the Yoga Center Administrator.
  11. The trainer receives a confirmation notification of the request submission.
  12. The trainer can also view their availability for future classes and provide their availability preferences within the system.
  13. The trainer logs out of the Yoga Center Management System.

Postconditions:

* The trainer's schedule and any requested changes or updates are recorded in the Yoga Center Management System.
* The Yoga Center Administrator is notified of any change requests made by the trainer.
* The trainer receives confirmation of their schedule changes or change requests.