**Test Cases for Teacher Management & Demo Time Slot Functionality**

**Verify that a teacher is displayed in the demo list only when both the date and the corresponding day are set correctly.**

***Note: Setting only the date without the matching day should not display the teacher in the demo list.***

***1.Verify that a new teacher can be added and their available slot and time are correctly displayed.***

***2.Verify that if a new teacher is added with a valid time slot, but they are not visible in the teacher list section,as the demo is assigned***

***3.Verify that if a previous teacher already exists and a new time slot is added, the updated slot should reflect under the Demo section list***

***4.Verify that when a teacher is already assigned to another session, they should not appear in the teacher list while assigning a new demo class.***

***5.Verify that when the admin updates the time slot for a teacher, the changes are accurately reflected in the demo list accordingly.***

***6. Verify that when the admin changes a teacher's status from "Upcoming" to "Ongoing", the teacher should not appear in the demo list.***

***7. Verify that when a teacher updates their own time slot, the updated slot is reflected accurately in the demo list.***

***8. Verify that when a teacher adds a new available time slot, it appears correctly in the demo section.***

***9. Verify that when a teacher adds a 60-minute or 30-minute slot and selects a specific time, the availability should reflect accurately in the demo list selection.***

***10. Verify that if the teacher sets a date along with the corresponding day, then the teacher appears in the demo list.***

***11. Verify that if the teacher sets a date but does not specify the day, the teacher should not be displayed in the demo list.***

***12. Verify that when a teacher is assigned to a demo class, they should not appear in the available list for the next demo session request.***

***Expected Behavior: Once assigned, the teacher should be excluded from further demo allocation lists until the existing session is completed or released.***

***13. Verify that while creating a direct session and scheduling the time that overlaps with an already assigned demo session, the teacher is not shown in the demo teacher list.***

***Expected Result:***

* ***If a teacher is already assigned to a demo session at a specific time, and a direct session is created for the same time, the teacher should not appear in the available teacher list for the demo session.***
* ***The system should prevent double-booking by excluding the teacher from conflicting time slots.***

***14. Verify that when a teacher or admin deletes a time slot, it should be immediately reflected in the demo list section.***

***16. Verify that when the teacher selects a weekday (e.g., Tuesday) and sets a time slot from 10:00 PM for 60 minutes (ending at 11:00 PM), the slot is allowed. However, attempting to select 10:30 PM within the same range should not be allowed for a new slot.***

***Expected Result:***

* ***The system should allow setting a 60-minute slot from 10:00 PM to 11:00 PM.***
* ***The system should prevent overlapping or conflicting slots such as starting another slot at 10:30 PM, as it falls within the already allocated time.***

***17. Verify that when the teacher selects a different week (e.g., next Tuesday) and sets a time slot from 10:00 PM for 60 minutes (ending at 11:00 PM), the slot is allowed, and the system should also allow creating another slot at 10:30 PM on a different week.***

***Expected Result:***

* ***The system should allow scheduling a slot from 10:00 PM to 11:00 PM in one week.***
* ***Since the week is different, it should also allow another slot starting at 10:30 PM on the other week.***
* ***No conflict should occur because the slots belong to different dates (weeks), even if the time overlaps.***

***18. Verify that while creating a direct session and scheduling the time that overlaps with an already assigned demo session, the teacher is not shown in the demo teacher list.***

***Expected Result:***

* ***If a teacher is already assigned to a demo session at a specific time, and a direct session is created for the same time, the teacher should not appear in the available teacher list for the demo session.***
* ***The system should prevent double-booking by excluding the teacher from conflicting time slots.***