Simple Time Clock Application-Assumptions that I made

* A user’s shift can span across multiple days, meaning, if a shift starts at 3 PM Wednesday, it can end at a future time, for example, at 11 AM Thursday.
* When a user’s shift spans more than one day, the user can start a new shift without ending the old one. In this case, the new shift will be the active shift for that user, and the time values for the previous/old shift will be frozen. So, if the user does not end the old shift before starting a new one, the end time for the old shift will be null (along with other values that were not set).

For example, a user started a shift at 3 PM Wednesday. The next day, Thursday, s/he can start a new shift without ending the previous/old shift. So, if the user starts another shift at 9 AM Thursday, it will be the active shift for them. I am assuming in such cases, the user forgets to clock out/end shift and keeps the field(s) null intentionally to mark it.

* Two shifts of a user cannot have the same start date. For example, if a shift starts today, the earliest another shift can start for the same user is tomorrow.
* A user can have only one (casual) break and one lunch break during a shift.
* A break (casual or lunch) cannot start before the shift starts or after the shift ends, or during another active break (casual or lunch).
* Breaks (casual or lunch) are optional. Users can take both breaks in any order, or only one or none.
* Breaks have no time limit as long as they fall within the shift time.