Server Side Functionalities - Spring

1. Update Availability

This function is implemented with the purpose of updating the availability of a given doctor to a new availability input. It does so by checking to see if there are any overlaps between the new desired times and the old times for that doctor with the same date. As it assumes that the new information is correct, it will delete any previous blocks that conflict with the new information.

1. Remove Availability

This function is implemented with the purpose of removing the availability blocks of a given doctor. Given the doctor and availability, it checks against what exists in the database for any conflicts of times for the given doctor on the given date. If a conflict is detected, the conflicting block is deleted from the database.

Client Side Functionalities - Angular

1. Validate

This method is used to validate the information that will be passed down to the server. It makes sure that either a date or a day is given, and that the start time occurs before the end time. Once that validation has been met, the submit button will appear on the live html.

1. Set Availability

This method is used to send the information to the server. It is only accessible once validate has completed successfully. It will take the validated information and send it to the server with the selected method, ‘Update’ or ‘Remove.’ It is possible to call this function without having selected a method, in which case the method does nothing.