Milestone 2: Front-end

This is a brief summary as to how the front-end works until milestone 2, all the features that are working right and what needs to be completed next.

We have created a separate branch for frontend code on github namely ‘frontend’.

Before running the project, we need to add a specific run configuration by opening the android studio > Run > Edit Configuration > Additional run args > --no-sound-null-safety.
With this, the dart ensures that all runtime null-dereference problems are shown at compile-time. It helps avoid many problems during development, rather than waiting until runtime to identify null errors. This is because we have imported one of the libraries that requires this check.

Now, to begin with, one has to connect to the emulator on android studio and then run the project. It would start to assemble the project and once that’s done, the welcome screen will load on the mobile and then the landing page asking if the user wants to sign-up or login will appear. Once the user clicks on signup, they’ll be asked if they are a doctor or a patient, and hence they’ll have to fill in the fields according to that. They’ll be asked for their name, email-id, (specialization if they are a doctor) and hence they’ll have to set a password to login in future. Further if they sign-up, their details will be stored and they’ll be taken to their respective dashboard.

If the user already has an account and wishes to log in, they’ll be asked if they are a doctor, patient or the admin, and further they’ll have to fill in their email-id and password to login and if correct credentials are provided, they’ll be taken to their dashboard.

For both login and signup, if the user doesn’t fill in the required field, they’ll be prompted to fill that in before they could move further into the app. The format of the email-id is also checked (it should contain @ in the format). This is done by using the form validation technique.

Moving to the dashboards, these still need to be worked on but they are the pathway to access other pages of the app like booking and chat that we have created.
For the patient, they can go onto the booking section by clicking on booking > View Appointment if they'd like to view the list of their upcoming or previous appointments or booking > New Appointment if they'd like to book a new appointment. They'll further search a particular doctor by their name, or search for various doctors by choosing a specialization. They’ll further click on a doctor of their choice and the doctor’s profile will be shown to the user. If they further want to check for their availability, they can go on by checking the time slots available for particular dates they select on the displayed calendar. A list of available times will be shown out of which they can choose any and hence, they’ll be presented with the appointment summary with all the details like day, date, time, etc. which they can either ‘confirm’ or ‘cancel’. ‘Confirm’ would book their appointment and bring them back to the dashboard and cancel will let them select a new doctor again.

The doctor can put in their availability from the Availability section where they can save the date along with the start and the end time for their availability.

Moving on to the chat feature for both the doctor and the patient, both can access chat from the dashboard and they'll be presented the chat menu with all the ongoing chats and the ones they have had in the past. If they click on any particular preview, they'll be taken to the actual chat. Doctor's can attach a prescription file by clicking on the attachment pin. A user can send a message by clicking on the send arrow right next to where they are typing their text.

Next step for us is to work on the dashboards, profile, and then notifications. Iterative changes in the existing features may be made while integrating frontend with backend.