The code I checked is **MakeAppointment.kt**

It is responsible for making an appointment, and it displays all the available appointments for that doctor.

I reviewed the code on the commit:

19c0de336628fa9139e604bb15c1faedabcc064d

Link to their GitHub: https://github.com/MyVet-app/MyVet/tree/master

Link to GitHub in the commit: https://github.com/MyVet-app/MyVet/tree/19c0de336628fa9139e604bb15c1faedabcc064d

Link to the file in this commit: https://github.com/MyVet-app/MyVet/blob/19c0de3/app/src/main/java/com/myvet/myvet/MakeAppointment.kt

1. Code Readability & Documentation

- **Issue**: Missing documentation for functions and complex logic.
  Suggestion: Add Javadoc comments to explain the purpose of makeAppointment, displayAvailabilityWindows, and queryAvailabilityWindows
- **Issue:** Ambiguous variable names like db (Firestore instance).
  Suggestion: Rename to firestore for clarity.

2. Improving Structure (DRY & Modularity)

- **Issue**: Repeated FirebaseFirestore.getInstance() calls.
  Suggestion: Initialize firestore once in the class (e.g., private val firestore = FirebaseFirestore.getInstance()) and reuse it.
- **Issue**: displayAvailabilityWindows handles both data processing and UI updates.
  Suggestion: Split into processAvailabilityWindows (data) and renderAppointmentSlots (UI) for modularity.

3. Bug Detection & Efficiency

- **Issue**: Manually adding views in a loop (e.g., appointmentList.addView(appointmentContainer)).
  Suggestion: Replace LinearLayout with RecyclerView and an Adapter to recycle views efficiently. This improves performance for large datasets.