

Our Vision

Our neighbourhood doctors is a mobile application that can be of use to any telemedical service that is in need of an application to better their customers' experience.

Our application allows a clinic to manage all typical tasks and enhance the patient and doctor experience such as chatting, booking and viewing appointments and all in the one application.

Patients can easily book new appointments and view their upcoming appointment times, manage their health history/health profile, view their prescriptions and text chat with their doctor.

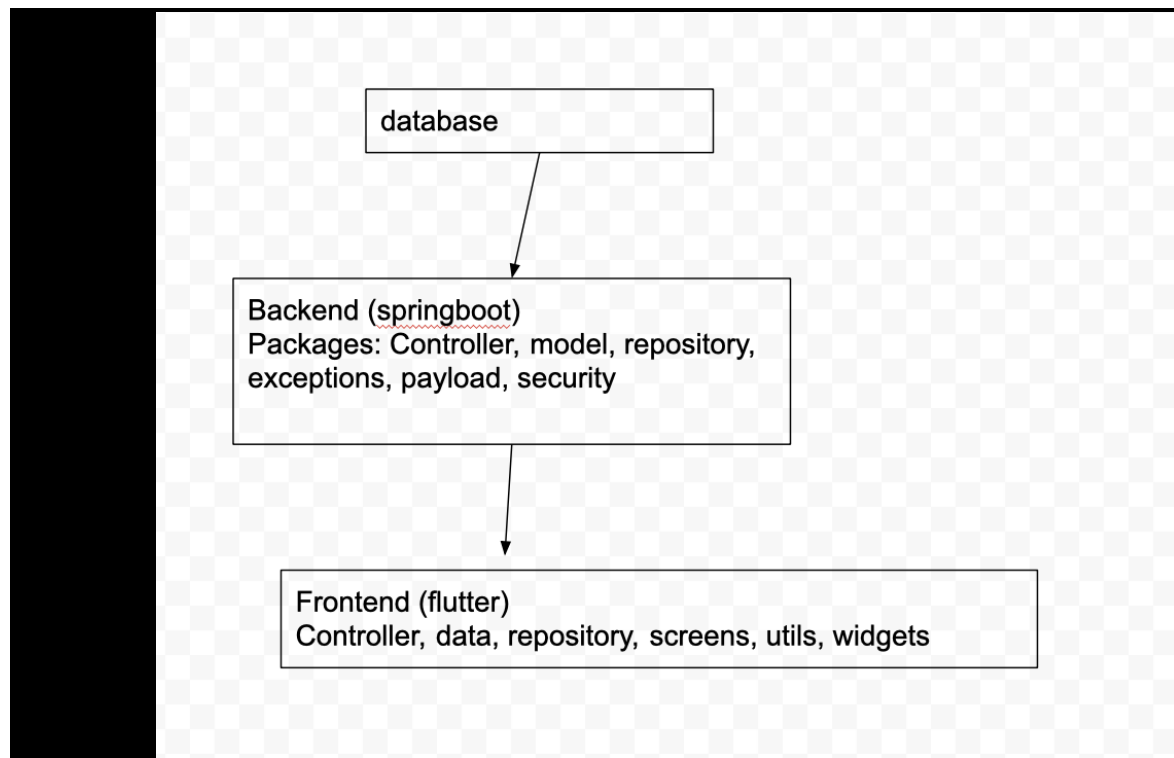
For the doctor the app is valuable as it allows doctors to easily add and manage their booking times, view their upcoming appointments, add prescriptions for their patients and text chat with their patients.

Admins can also use this app to manage the doctors and patients in the database. With this app patients and doctors can manage their appointments without having to contact/call the clinic, have their prescriptions digitised so that it is easy to view without risk of losing it and have their upcoming tasks such as attending an appointment and taking a medication all in one place so that users can work around their availability in an easy to view application.

This provides patients and doctors with an accessible app to perform typical tasks without having to contact a manager or receptionist. This app also improves punctuality as the appointment is done through a call which does not require in person presence.

This ensures quicker response time and less time wasted in waiting. Having the appointment process streamlined from the patient to doctor end would help a clinic to run more efficiently.

System architecture:



Refactoring Report:

It has been included as a separate document in the submission folder.


Gitflow organisation:

We created a develop branch off the skeleton base code in main, From the develop branch we created additional branches each based on a user story. When the code was complete in the feature branches, we merged it with the develop branch. We also created a branch called refactoring to make sure all our code was standard after each refactoring. Everytime code was pushed or a pull request was created, the CI was run and the build outcome was given. Shown below are the branch structures and a snippet of commits made. Commits were made multiple times a week as each member worked to their corresponding feature branch.

Structure of branches

Active branches					
refactoring	Updated 2 hours ago by s3826525	✓	1 100	New pull request	✎ 🗑
develop	Updated 5 hours ago by Sahibjeet Singh (s3842316)	✓	1 90	New pull request	✎ 🗑
feature-auth	Updated 23 hours ago by Jougama	✗	1 87	#20 Merged	✎ 🗑
ram-21	Updated 5 days ago by Rish-Rao	✗	1 71	New pull request	✎ 🗑
ram-38	Updated 5 days ago by Sahib-11	✗	1 58	#19 Merged	✎ 🗑
ram-20	Updated 5 days ago by Sahibjeet Singh (s3842316)	✗	1 82	#18 Merged	✎ 🗑
ram-26-2	Updated 6 days ago by xangez	✓	1 66	#17 Merged	✎ 🗑
ram-26	Updated 6 days ago by xangez		1 57	New pull request	✎ 🗑
feature-validation	Updated 12 days ago by Jougama		1 57	New pull request	✎ 🗑
ram-18	Updated 17 days ago by Sahibjeet Singh (s3842316)		1 55	New pull request	✎ 🗑
ram-41	Updated 17 days ago by Sahib-11		1 53	#14 Merged	✎ 🗑
ram-33	Updated 20 days ago by s3826525		1 34	#10 Merged	✎ 🗑
ram-19	Updated 20 days ago by Rish-Rao		1 19	#9 Merged	✎ 🗑
flutterStarterCode	Updated last month by Sahib-11		1 13	#6 Merged	✎ 🗑
ram-43	Updated last month by Jougama		1 8	New pull request	✎ 🗑
base_code	Updated 2 months ago by Sahib-11		1 1	#1 Merged	✎ 🗑

Example of commits



Commit Message	Branch	Author	Timestamp
Got both login endpoint and doctor availability endpoint working in	origin & ram-21	Rish-Rao	13/10/2022 8:01 pm
Merge pull request #19 from SEPT-RAMSS/ram-38	origin/develop	Sahibjeet Singh (s3842316)*	13/10/2022 5:26 pm
Fix Small alignment in Edit and Add Doctor UI	origin/ram-38	Sahibjeet Singh (s3842316)	13/10/2022 5:24 pm
Merge pull request #18 from SEPT-RAMSS/ram-20		Sahibjeet Singh (s3842316)*	13/10/2022 3:22 pm
Merge branch 'develop' into ram-20	origin/ram-20	Sahibjeet Singh (s3842316)*	13/10/2022 3:21 pm
Merging develop to ram-21		Rish-Rao	12/10/2022 5:39 pm
Create jpa-buddy.xml	develop	Rish-Rao	12/10/2022 5:22 pm
Pushed in front end updates		Shanelle Morais	12/10/2022 4:06 pm
Merge pull request #17 from SEPT-RAMSS/ram-26-2		Sahibjeet Singh (s3842316)*	12/10/2022 3:27 pm
added availability class for model and repo and included it in the accountcontroller		Rish-Rao	12/10/2022 3:16 pm
update main.dart	origin/ram-26-2	angelinezhang	12/10/2022 3:03 pm
prescription, backend, frontend, tests		angelinezhang	12/10/2022 3:00 pm

Scrum process:

Shanelle was our scrum master and was also, like the other members, part of the development team.

We had meetings every three days most weeks however in between busy weeks we were able to get at least one meeting done just to catch up and report back on what we all have done and what is left to do.

Velocity - user stories complete

sprint 1:

18 planned

0 actual

sprint 2:

15 planned

6 complete

sprint 3:

20 planned

5 complete

sprint 4

25 planned

0 complete

67 total user points

11/4 sprints

Velocity = 2.75