

# Project Report

FROM TEAM BASH



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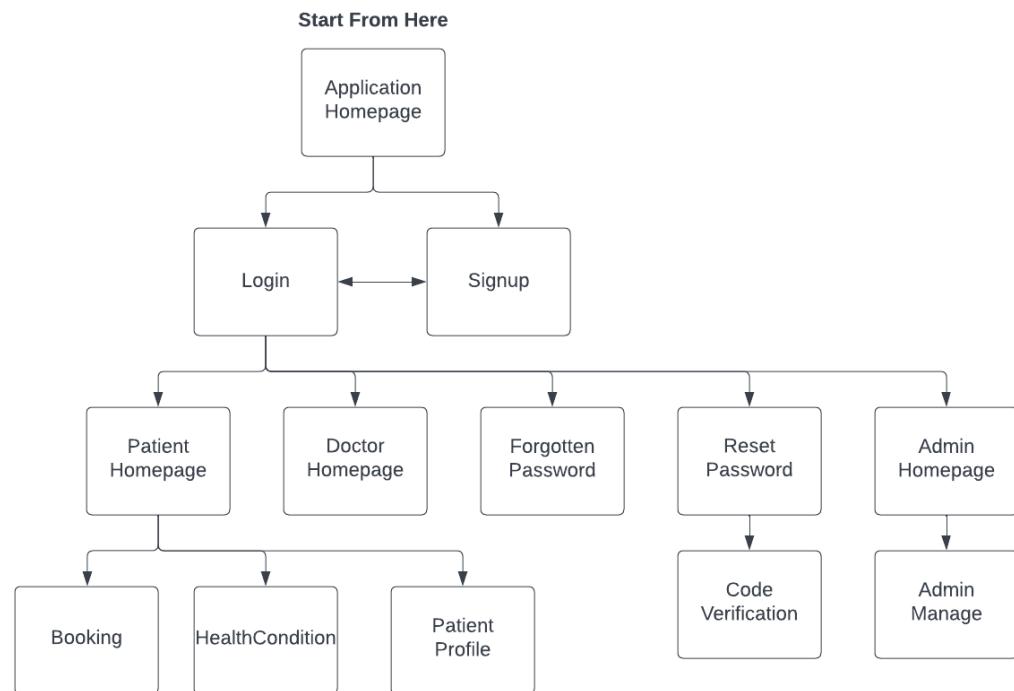
Yifan Hu s3849193

## Vision

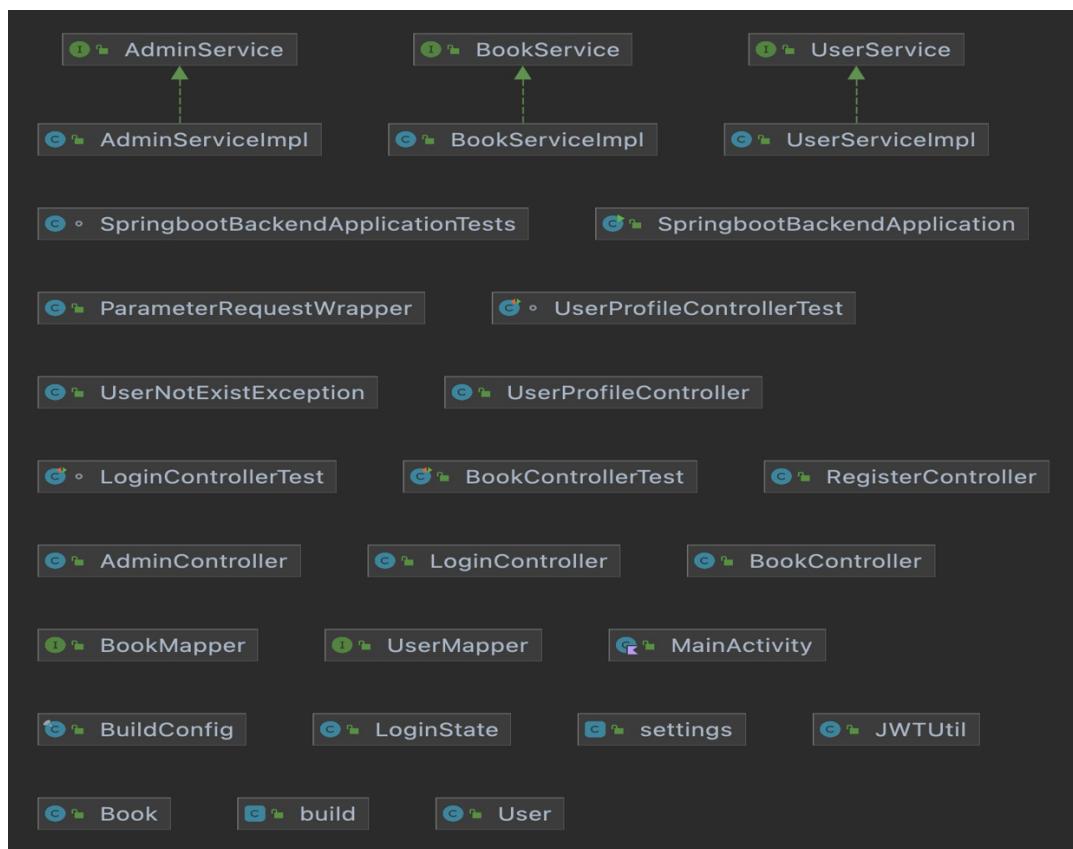
HD telemedicine app is a significantly important application since it could bring multiple conveniences into our life and further benefit our society quality. In our daily life environment, most of the people are busy at work or with their family, sicknesses could lead people into a trouble or even financial problem which brings the unnecessary obsessions to our family, extremely long time of waiting in the queue, the torment of painful and ache, the works of days and nights with tears and sweats; could went for nothing. In this case, an online application that includes booking and chatting is extremely effective in order to solve those difficulties and hardships, within its booking feature, people could meet with their target doctor by clicking few times on their phone, and people could communicate with their doctor at any time they want through the chatting feature of the HD telemedicine app. People wouldn't need to worry about the time confliction and the delay of the work efficiency again since the application could generally solve it all. HD telemedicine app also provides the feature of checking the prescription as people can see their prescription through the online application and further void the unnecessary additional appointment with the doctor.

## Figure

### Front-end



### Back-end



## Refactoring Report

Even most of our code was fine, we still managed to refactor some of our functions during and after the development stage.

In the Register, we used to put “doctor signup” and “patient signup” in two different servers before, and now we deleted one of them and make the signup function work for both in one piece. Furthermore, we add an account type on the sign-up page for users to choose which type of account they want to create.

In the Booking, we only have different dates to be selected by users to make an appointment with their patient or doctor. We managed to simplify our code and add a time option to make appointments between patients and doctors accurate to the hour.

In the chat, we were using the normal way to build this function (without using WebSocket), but in this way online chatting can't be done since there's a huge delay while sending the messages, it can only be used on message, and reply. After refactoring the code, we can now accomplish this function by using WebSocket.

After refactoring the code, we believe that our product is now more efficient and more concise.

## Gitflow

This is a screenshot of our Gitflow organisation

The screenshot shows a GitHub repository interface for 'WenhuoLu-hub / SEPT\_TEAM\_BASH\_PROJECT'. The repository is private. At the top, there are links for Code, Issues, Pull requests (which is the active tab), Actions, Projects, Wiki, Security, and Insights. To the right are Unwatch (2), Fork (0), and Star (0) buttons. Below the tabs, there are filters for 'Is:pr is:closed' and buttons for Labels (9), Milestones (0), and New pull request. A clear search query button is also present. The main area displays a list of closed pull requests:

- #6 by Dised was closed 1 minute ago. Status: Add Register testing.
- #5 by Sifan-Gao was merged 15 days ago. Status: Book.
- #4 by Sifan-Gao was merged on 16 Sep. Status: Login.
- #3 by Alphonso12345 was merged on 3 Sep. Status: Button fixed.
- #2 by Alphonso12345 was merged on 3 Sep. Status: Patient homepage.
- #1 by Sifan-Gao was merged on 2 Sep. Status: Backend initial.

# Commits

Those are screenshots of our commit's history

The screenshot shows the GitHub repository page for `WenhamLu-hub / SEPT_TEAM_BASH_PROJECT`. The repository is private. The main navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, and Insights. Below the navigation, there are buttons for main (selected), 22 branches, 0 tags, Go to file, Add file, and Code.

**Commits on Oct 18, 2022:**

- Update README.md by Sifan-Gao (verified, ecd4db4, 2 hours ago)
- Update README.md by Sifan-Gao (verified, bbcbcf4, 3 hours ago)
- Update WebSocketConfig.java by Dised (verified, f89ff23, 3 hours ago)
- Update WebSocketServer.java by Dised (verified, 092e52e, 3 hours ago)
- update mysql configuration in yaml file by WenhamLu-hub (5a0063e, 3 hours ago)
- Merge branch 'admin' by WenhamLu-hub (12d42b7, 3 hours ago)
- Merge remote branch 'origin/admin' into admin by WenhamLu-hub (ed6de04, 3 hours ago)
- bug fixed by WenhamLu-hub (d733fc3, 3 hours ago)
- Merge pull request #7 from WenhamLu-hub/chatPage (af559bc, 4 hours ago)
- Update Chatting function (d7a0091, 4 hours ago)

**Commits on Oct 17, 2022:**

- Create README.md by Sifan-Gao (2badcfe, 22 hours ago)
- Merge branch 'admin' of [https://github.com/WenhamLu-hub/SEPT\\_TEAM\\_BASH\\_PROJECT](https://github.com/WenhamLu-hub/SEPT_TEAM_BASH_PROJECT) (14fff1f4, yesterday)
- created admin manage account by Alphonso12345 (f48f5e7, yesterday)

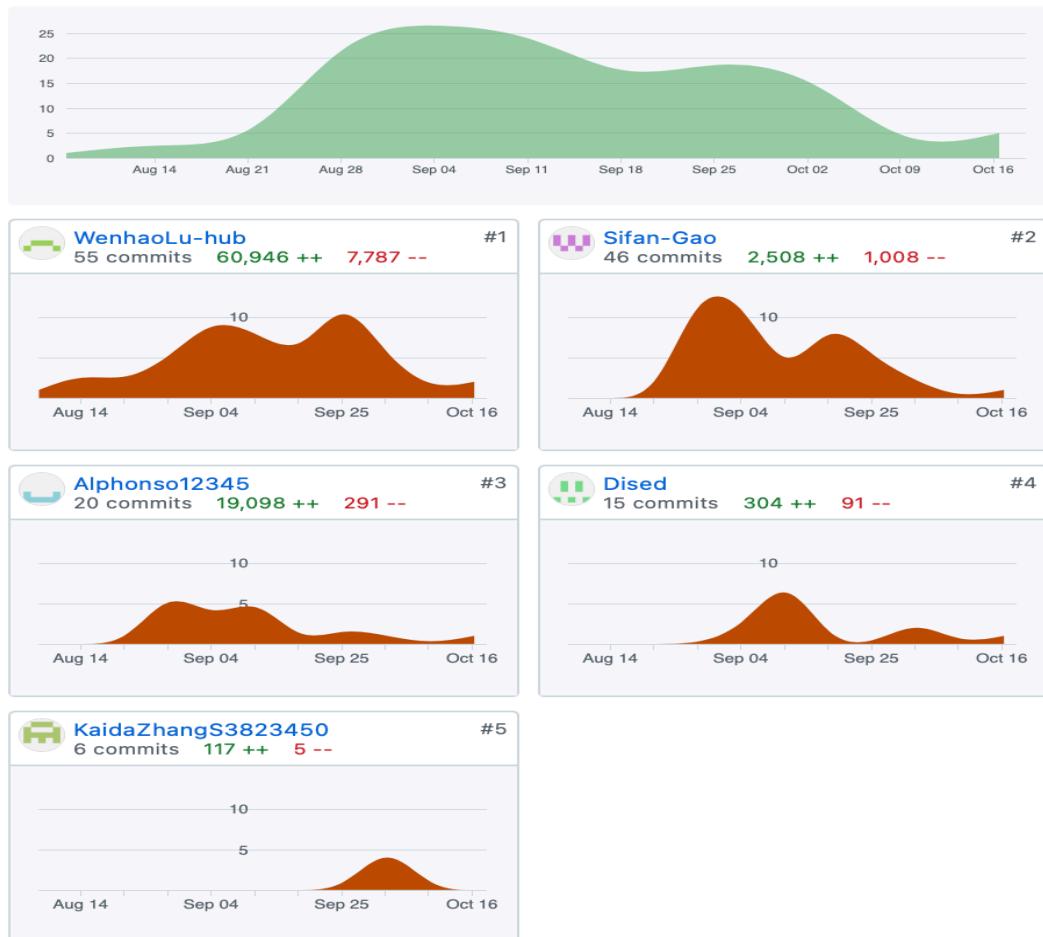
**Commits on Oct 9, 2022:**

- pull admin to local by WenhamLu-hub (1608d12, 9 days ago)
- bug fixed (f677f36, 9 days ago)

Aug 7, 2022 – Oct 18, 2022

Contributions: Commits ▾

Contributions to main, excluding merge commits and bot accounts



## Scrum Process

Scrum master: Kaida Zhang

How often we met: we scheduled two weekly meetings on every Monday and Friday, and the average time of each meeting are proximately 40 mins. Below are few meeting screenshots.

The screenshots show three messages from a messaging interface:

- Meeting in "General" ended: 1h 58m (Participants: YH, HS, SG, WL, DM)
- Meeting in "General" ended: 1h 28m (Participants: YH, HS, SG, WL, DM)
- New channel meeting ended: 1h 13m (Participants: YH, HS, SG, WL, DM)

## Burndown Chart

This chart shows the velocity of all sprints

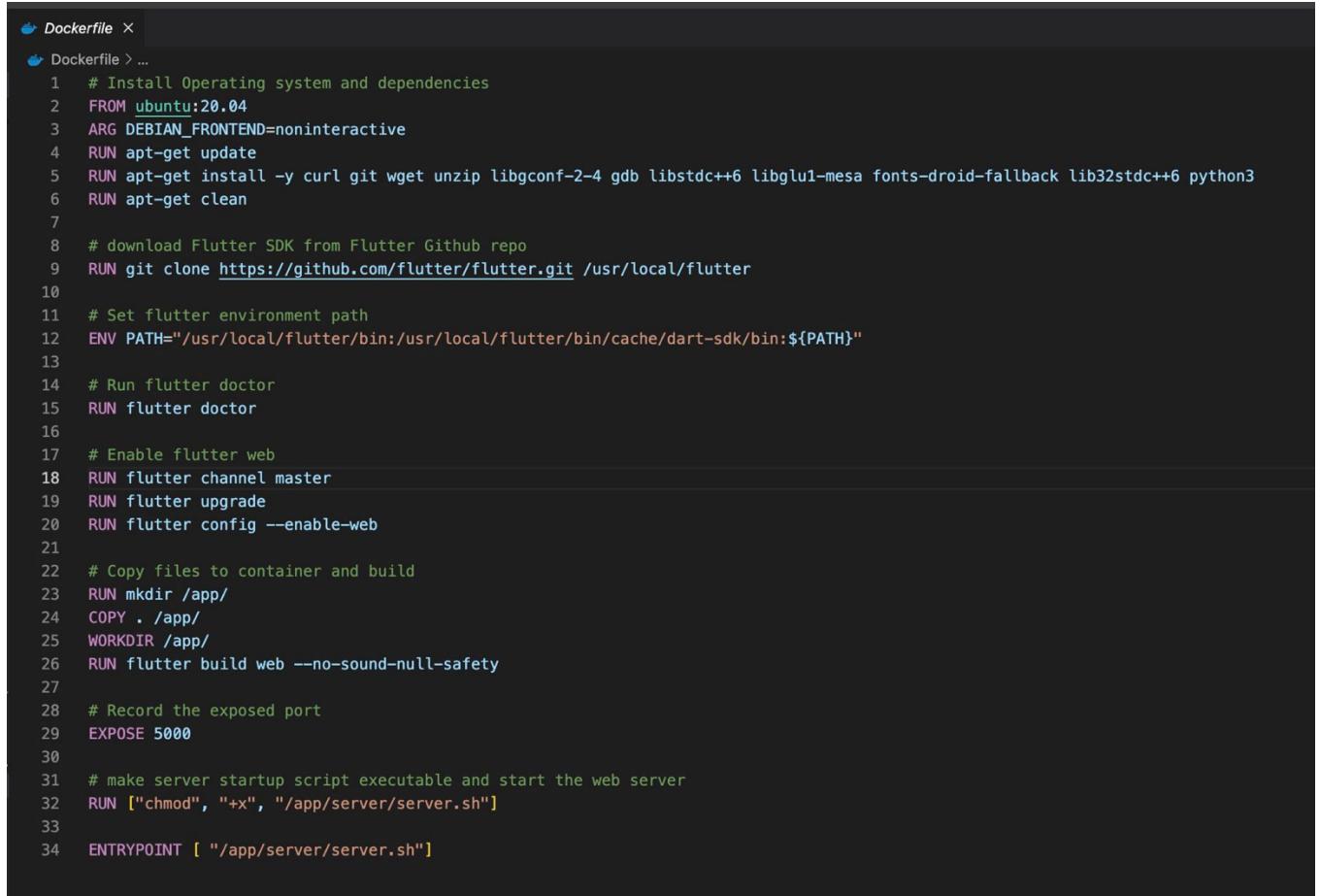


## Deployment pipeline setup

### CI screenshot

All workflows		Filter workflow runs		
		Event ▾	Status ▾	Branch ▾
Actor ▾	Workflow	Event	Time	...
	✓ Update README.md	main	3 hours ago ⌚ 1m 47s	...
	Java CI with Maven #23: Commit ecd4db4 pushed by Sifan-Gao			
	✓ Update README.md	main	3 hours ago ⌚ 1m 45s	...
	Java CI with Maven #22: Commit bbcbcfed pushed by Sifan-Gao			
	✓ Update WebSocketConfig.java	main	3 hours ago ⌚ 1m 54s	...
	Java CI with Maven #21: Commit f89ff23 pushed by Dised			
	✗ Update WebSocketServer.java	main	3 hours ago ⌚ 1m 21s	...
	Java CI with Maven #20: Commit 092e52e pushed by Dised			
	✗ update mysql configuration in yaml file	main	3 hours ago ⌚ 1m 20s	...
	Java CI with Maven #19: Commit 5a0063e pushed by WenhaoLu-hub			
	✗ Merge pull request #7 from WenhaoLu-hub/chatPage	main	4 hours ago ⌚ 1m 34s	...
	Java CI with Maven #18: Commit af559bc pushed by Dised			
	✗ Chat page	chatPage	4 hours ago ⌚ 1m 23s	...
	Java CI with Maven #17: Pull request #7 opened by Dised			
	✗ Create README.md	main	22 hours ago ⌚ 1m 43s	...
	Java CI with Maven #16: Commit 2badcfe pushed by Sifan-Gao			
	✗ Merge branch 'admin' of https://github.com/WenhaoLu-hub/SEPT_TEAM_BA...	main	yesterday ⌚ 1m 32s	...
	Java CI with Maven #15: Commit 14ff1f4 pushed by KaidaZhangS3823450			
	✓ Merge pull request #5 from WenhaoLu-hub/book	main	15 days ago ⌚ 2m 3s	...
	Java CI with Maven #14: Commit afafac56 pushed by Sifan-Gao			
	✓ Book	book	15 days ago	...

## Docker screenshot



A screenshot of a terminal window titled "Dockerfile X". The window displays a Dockerfile with 34 numbered lines. The Dockerfile installs an operating system, clones the Flutter repository, sets environment variables, runs flutter doctor, enables flutter web, copies files to the container, and exposes port 5000. It also makes the server startup script executable and starts the web server.

```
1 # Install Operating system and dependencies
2 FROM ubuntu:20.04
3 ARG DEBIAN_FRONTEND=noninteractive
4 RUN apt-get update
5 RUN apt-get install -y curl git wget unzip libgconf-2-4 gdb libstdc++6 libglu1-mesa fonts-droid-fallback lib32stdc++6 python3
6 RUN apt-get clean
7
8 # download Flutter SDK from Flutter Github repo
9 RUN git clone https://github.com/flutter/flutter.git /usr/local/flutter
10
11 # Set flutter environment path
12 ENV PATH="/usr/local/flutter/bin:/usr/local/flutter/bin/cache/dart-sdk/bin:${PATH}"
13
14 # Run flutter doctor
15 RUN flutter doctor
16
17 # Enable flutter web
18 RUN flutter channel master
19 RUN flutter upgrade
20 RUN flutter config --enable-web
21
22 # Copy files to container and build
23 RUN mkdir /app/
24 COPY . /app/
25 WORKDIR /app/
26 RUN flutter build web --no-sound-null-safety
27
28 # Record the exposed port
29 EXPOSE 5000
30
31 # make server startup script executable and start the web server
32 RUN ["chmod", "+x", "/app/server/server.sh"]
33
34 ENTRYPOINT [ "/app/server/server.sh"]
```