



# *synText*

Digitize to systemize

# Motivation



Paperless note taking.

Collaboration of data saves time and effort

Better accountability assures higher productivity across teams.



# Benefits to Health Industry

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A doctor spends on an average 1.96 hours per day in documentation.

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A good note and voice collaboration system can help doctors to outsource transcription job and indeed save time.

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This shall allow doctors to treat more patients and save more lives

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As per australian health statistics, 1 death every 12 mins

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Its high time that we change the way we work rather than producing more professionals.

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Digitize to optimize should be our new manta !

# synText MVP

## Functionalities:

- Login system
- Authorised users can create notes and assign it to self or other members of the team.
- Authorised users can list all the notes assigned to them and edit them.
- Notes have a state; either complete or open. During its lifecycle the note moves across these two states.
- Only an Admin/Manager can create and modify the users information.
- Users once linked with notes cannot be deleted from the system. But they can be deactivated.
- Collaboration apps should be accessible with/without internet connections hence an installable option is available.
- This web application supports progressive web application(PWA).

# Technology Stack

Database: Mongo DB

Server: Node.js, Express.js

Authorization & Authentication: Json web token (JWT) and jwt-decode

Api: REST api

Client: React JS, Redux and Redux Toolkit Query(RTK Query), CSS, HTML, font awesome library for icons



# Further Roadmap

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- Speech based note taking
- To overcome language barrier, we intend to incorporate localization support.
- ML/AI incorporation for automatic speech to text transcription.



# Lessons

## Outcomes:

- Learnings were focused around UI development frameworks primarily state management and data caching libraries like redux and redux toolkit query.
- Due to time constraint, initial scope had to be curtailed.
- A web application development template is carved out as part of this MVP work.