

# SCIENCE GALLERY

Presented by SG-Koala





# INTRODUCTION

**Booking System:  
Project context and motivation**





# DEMO

## BOOKING

- Create a New Booking.
- Manage a Booking.
- Email Notification.

## TEMPLATE

- Checklist & Template.
- Create a Template.
- Manage a Tempalte.

## SEARCH

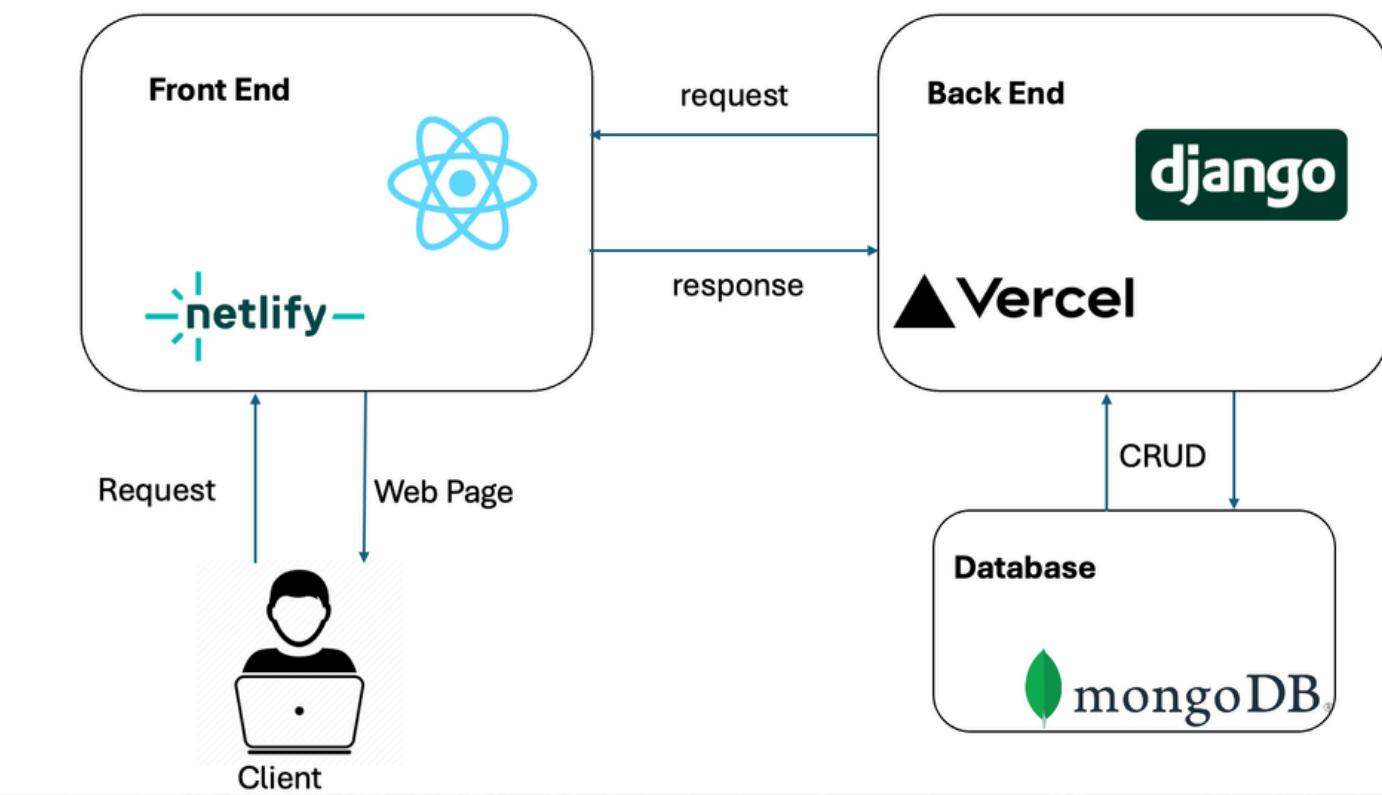
- Search Bar
- Via Calendar
- Database

## ANALYTICS

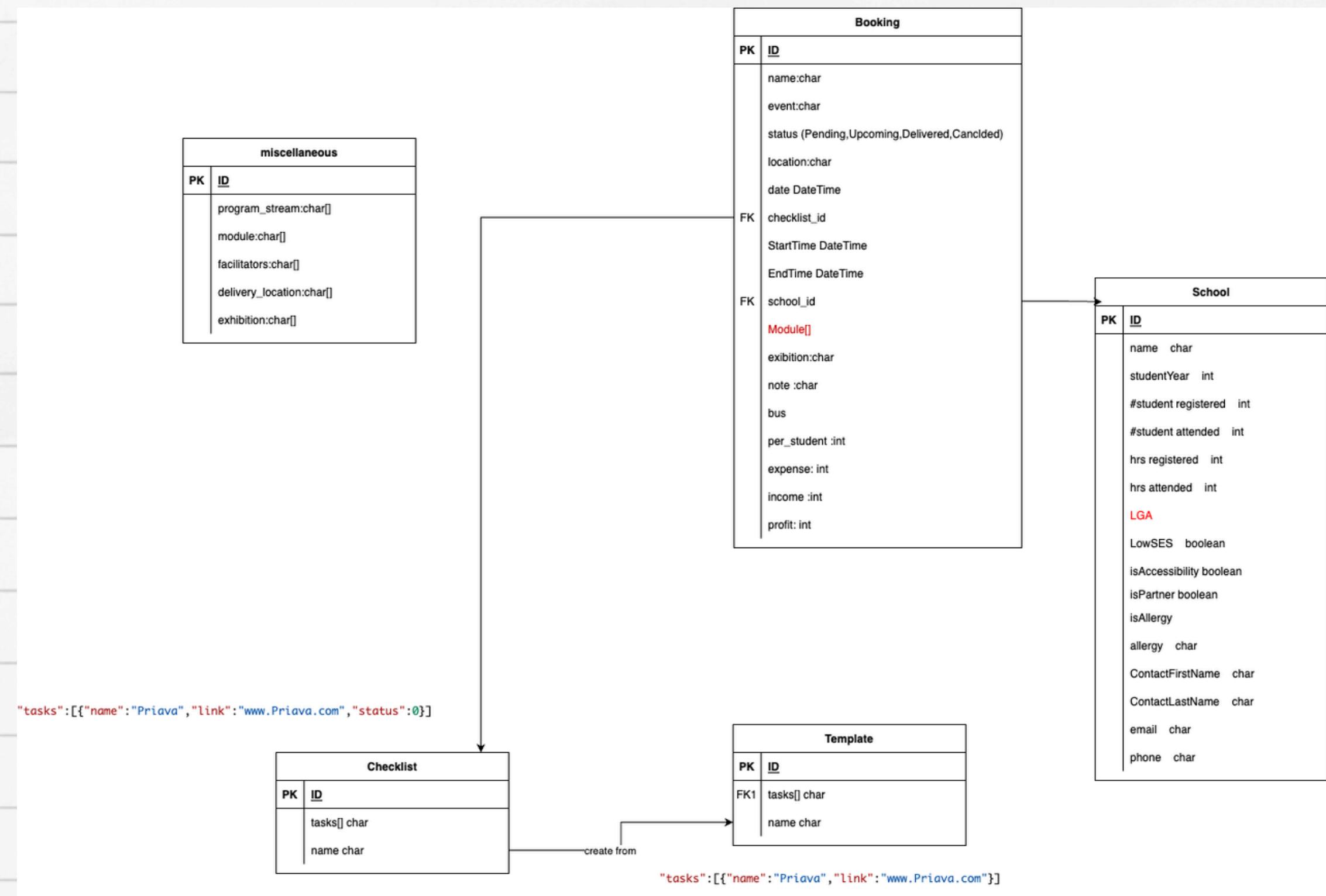
- Bar Chart
- Line Graph
- Pie Chart

# ARCHITECTURAL PATTERNS

This architecture leverages modern web development practices, where the front-end and back-end are decoupled, allowing for better scalability and maintainability. Netlify and Vercel streamline the deployment process for the front-end and back-end, respectively, while MongoDB provides a flexible data storage solution.

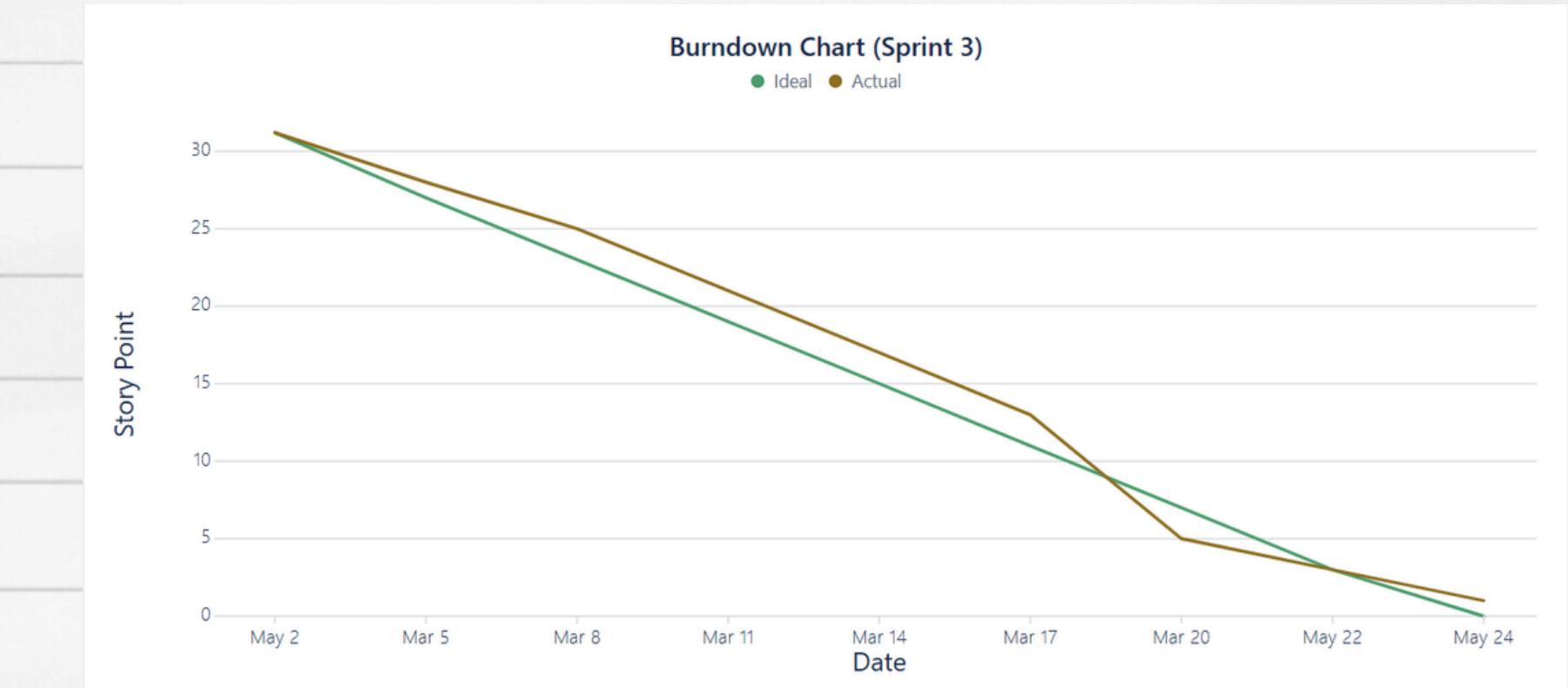
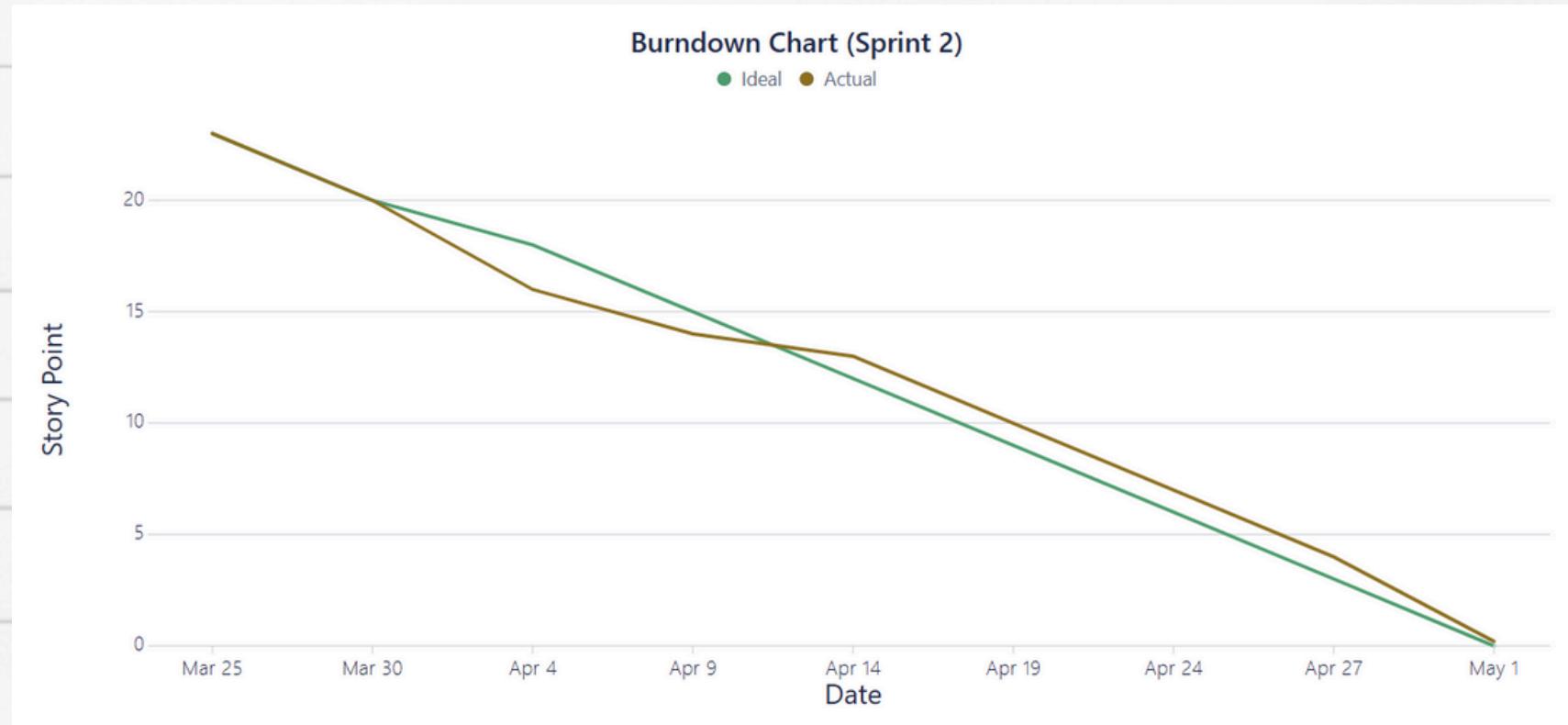


# DATABASE MODEL



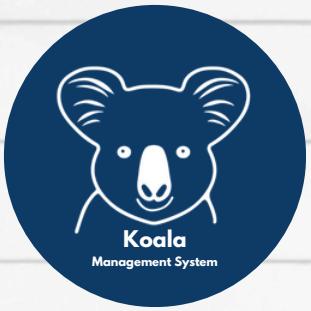


# DEVELOPMENT PROCESS



## REQUIREMENTS

- Total:55
- Planned:55
- Completed:54



# OUT OF SCOPE

- Confirm booking details
- Integration with other system
  - API Integration
  - Embedded Widgets
  - Automated Updates



# CODE REVIEW REFLECTION

## HOW WE USED IT

- Python, JS and CSS files

## FEEDBACK

- We used it to improve our coding standard. (comments, form validation, error handling)
- Reviews such as performance optimisation won't be the first thing to consider.



# CONCLUSION

**Expectation of the final release**



# THANK YOU VERY MUCH!

# Q & A