

Sprint 1 Delivery

Group 2 | RB-03

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RES Activities

- Functional & Non-functional Requirements
- Use Cases
- Use Case Diagram
- Research Plan
- Research Report



RES Use Cases

- Make a reservation
- Cancel a reservation
- Configure timeslots
- Configure restaurant capacity
- Manager cancels a reservation



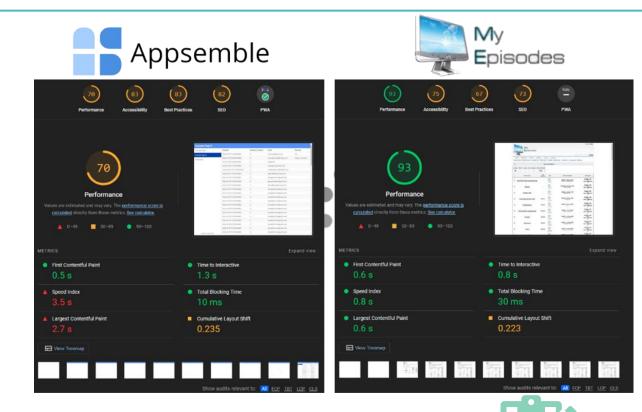


Research



Can Appsemble be sufficiently performant?

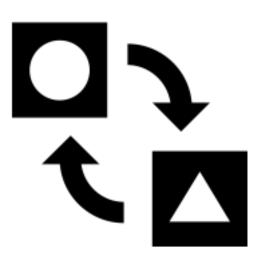
- Testing load times
- Google Lighthouse report
 - Compare with a similar web page
 - One hundred records
- Possible use for Appsemble (as front-end)





Can Appsemble be connected to a service bus?

- Current situation
- Available alternatives
 - Expand source-code
 - Use a polling service
 - Connect to a custom back-end
- Conclusion







Are there any alternatives to Appsemble?

- Low-code alternatives
 - ABP
 - Budibase
 - Structr
- Comparison table
- Conclusion

	Appsemble	@ abp	budibase	structr
Easy to learn	Χ	~	X	X
Works with service bus	-	X	-	X
Open source	X	Χ	X	X
Good support and documentation	X	X	X	X
Self-hosting capability	X	Χ	X	X
Good authentication and authorization	X	X	X	X





How can messaging be done securely in an enterprise system?

- Use end-to-end encryption
- Encrypt communications secrets
- Keep your dependencies up to date
- Use authentication and authorization
- Automate the tests in your system
- Implement rate limits







Res Recommendation

- Move away from no-code
 - ✓ Flexibility
 - ✓ Scalability
 - ✓ Performance







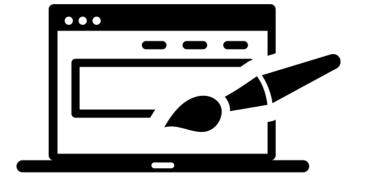






RES What's Next?

- Architecture research
- GDPR research
- Design
- Prototype









Thanks for listening!