



Sprint 1 Delivery

Group 2 | RB-03



Table of Contents

- Activities
- Use Cases
- Research:
 - Can Appsemble be sufficiently performant?
 - Can Appsemble be connected to a service bus?
 - Are there any alternatives to Appsemble?
 - How can messaging be done in an enterprise system?
- Recommendation
- What's Next?





Activities

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





Use Cases

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



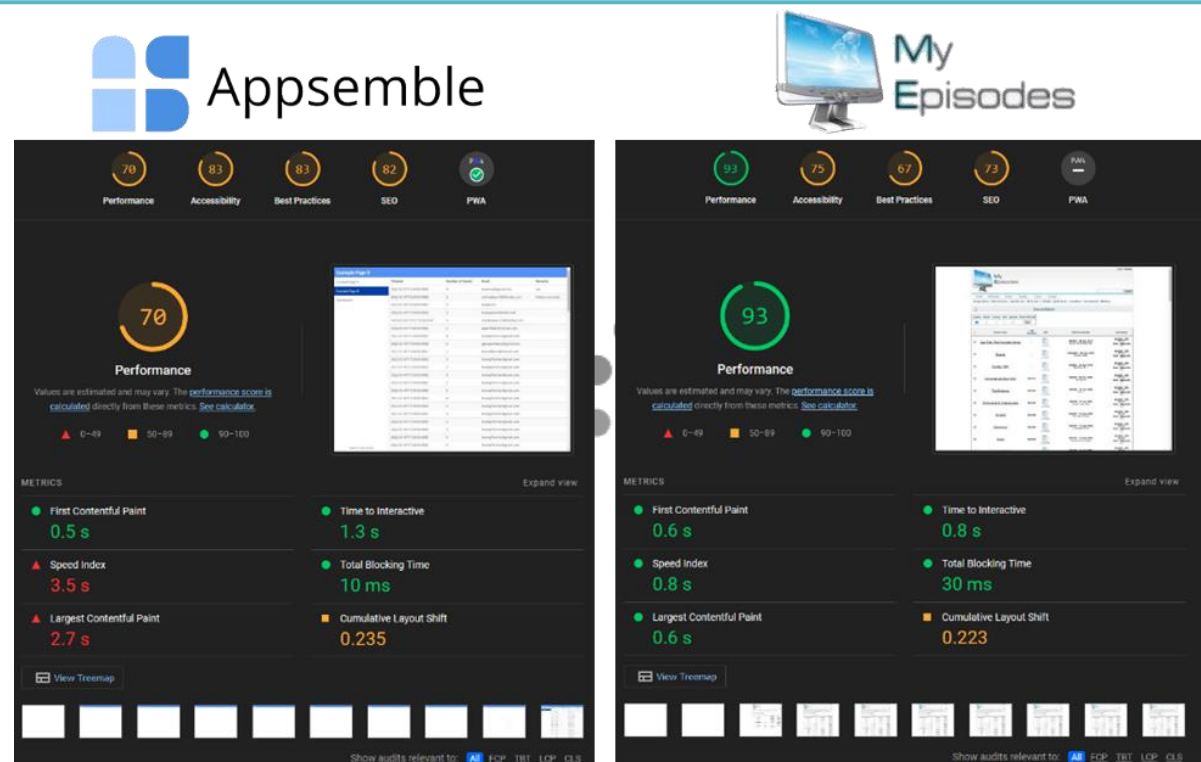


Research



Can Appsemble be sufficiently performant?

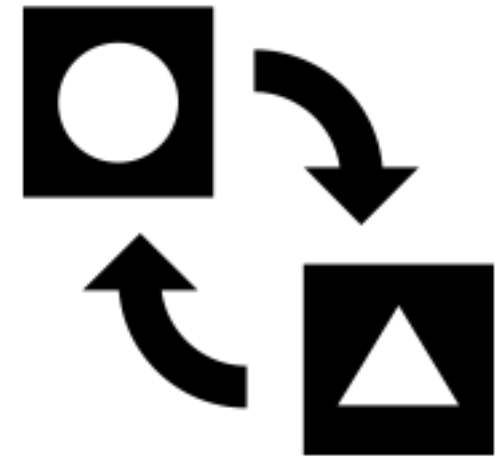
- Testing load times
- Google Lighthouse report
 - Compare with a similar web page
 - One hundred records
- Possible use for Appsemble (as front-end)





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
<i>Easy to learn</i>	X	~	X	X
<i>Works with service bus</i>	-	X	-	X
<i>Open source</i>	X	X	X	X
<i>Good support and documentation</i>	X	X	X	X
<i>Self-hosting capability</i>	X	X	X	X
<i>Good authentication and authorization</i>	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





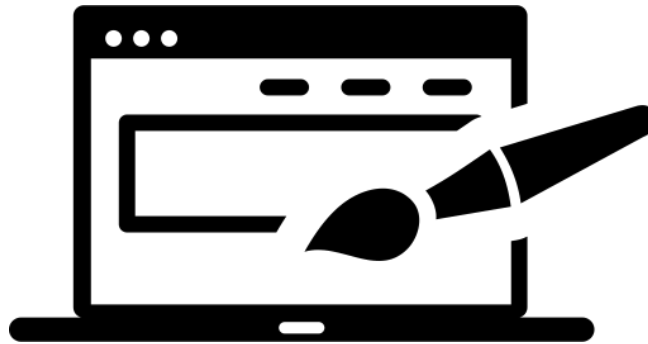
Recommendation

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



What's Next?

- Architecture research
- GDPR research
- Design
- Prototype





**Thanks for
listening!**