

# AUTOMATISIERTES TESTEN VON OPENAPI SPEZIFIKATIONEN

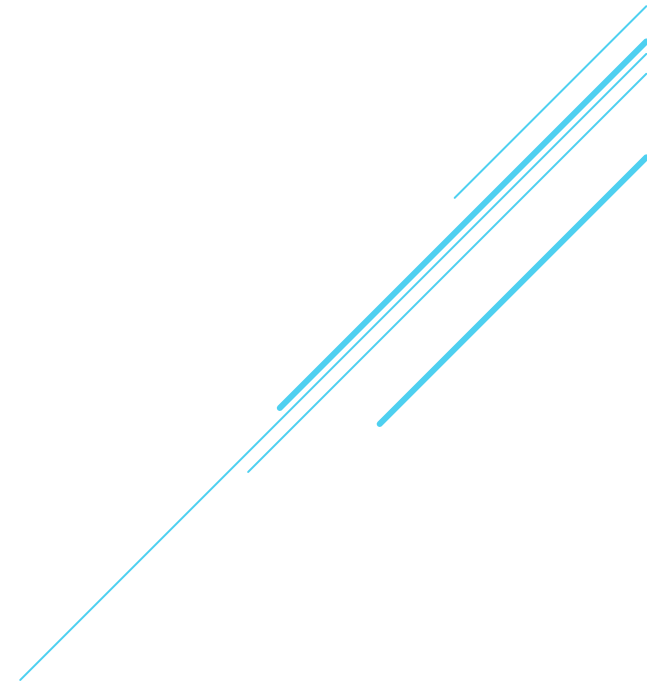
Jonas Grunert

12. März 2020

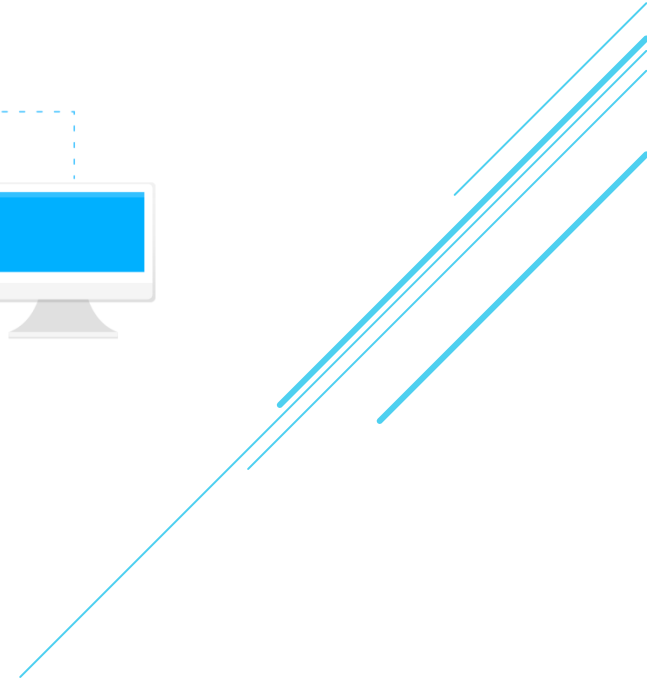
- ▶ Testen als Qualitätssicherung
- ▶ Theoretische Konzepte
- ▶ Praktische Planung
- ▶ Praktische Umsetzung

# AGENDA

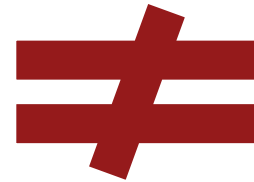
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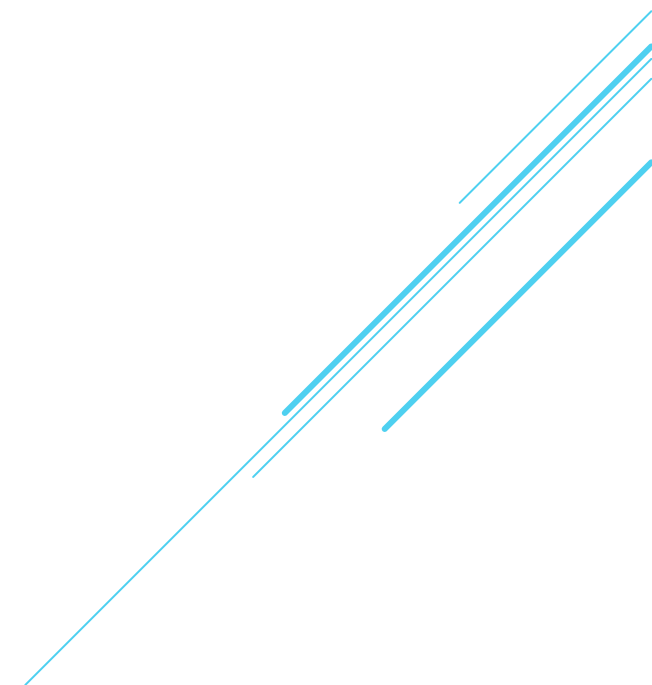
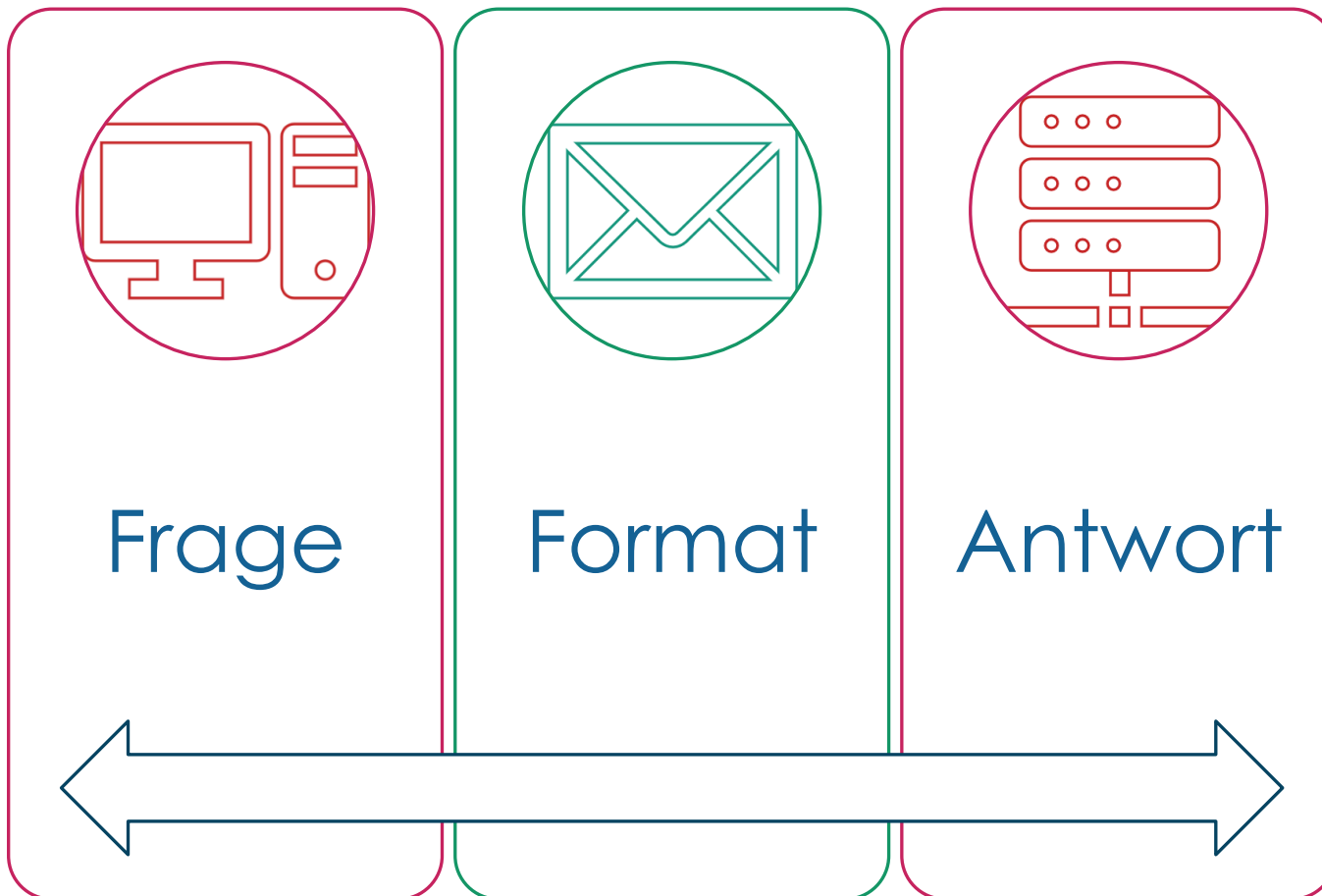
# QUALITÄTSSICHERUNG



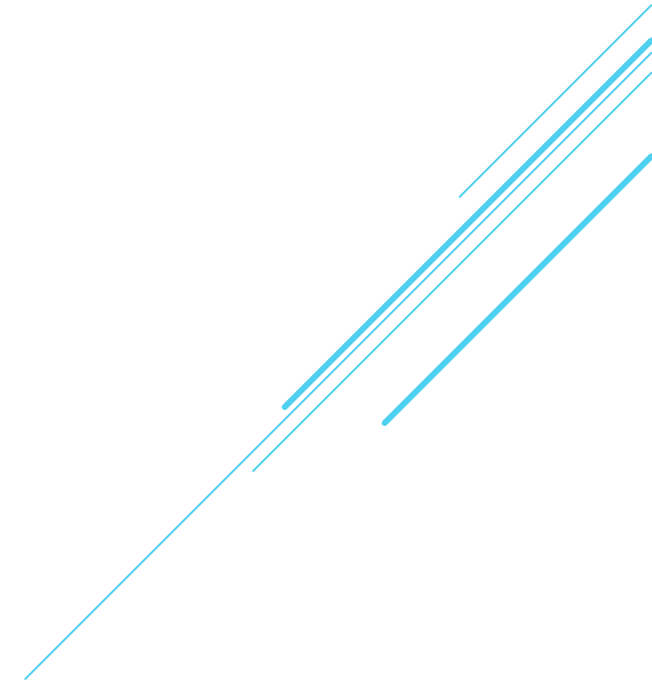
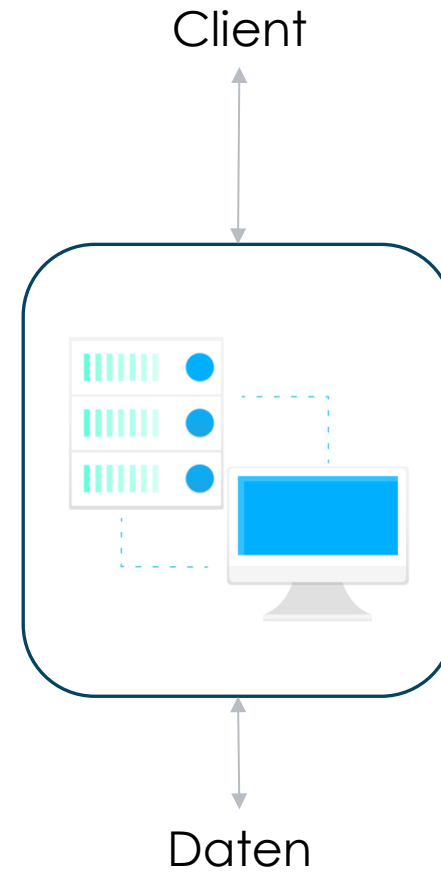
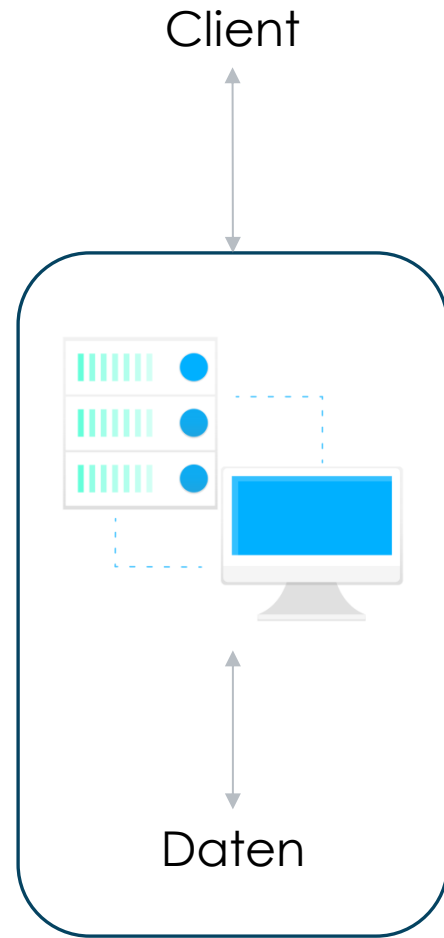
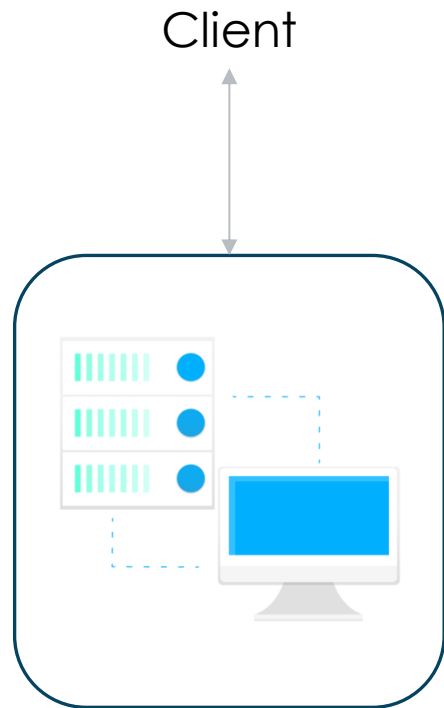
# QUALITÄTSSICHERUNG



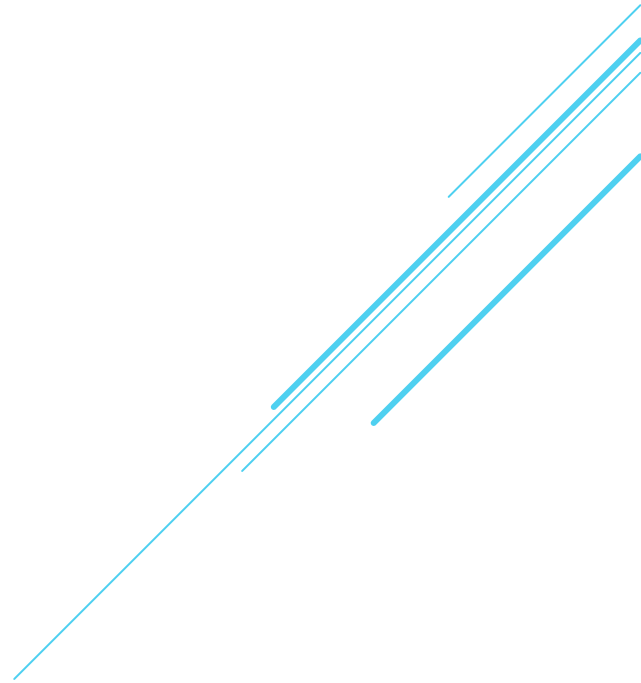
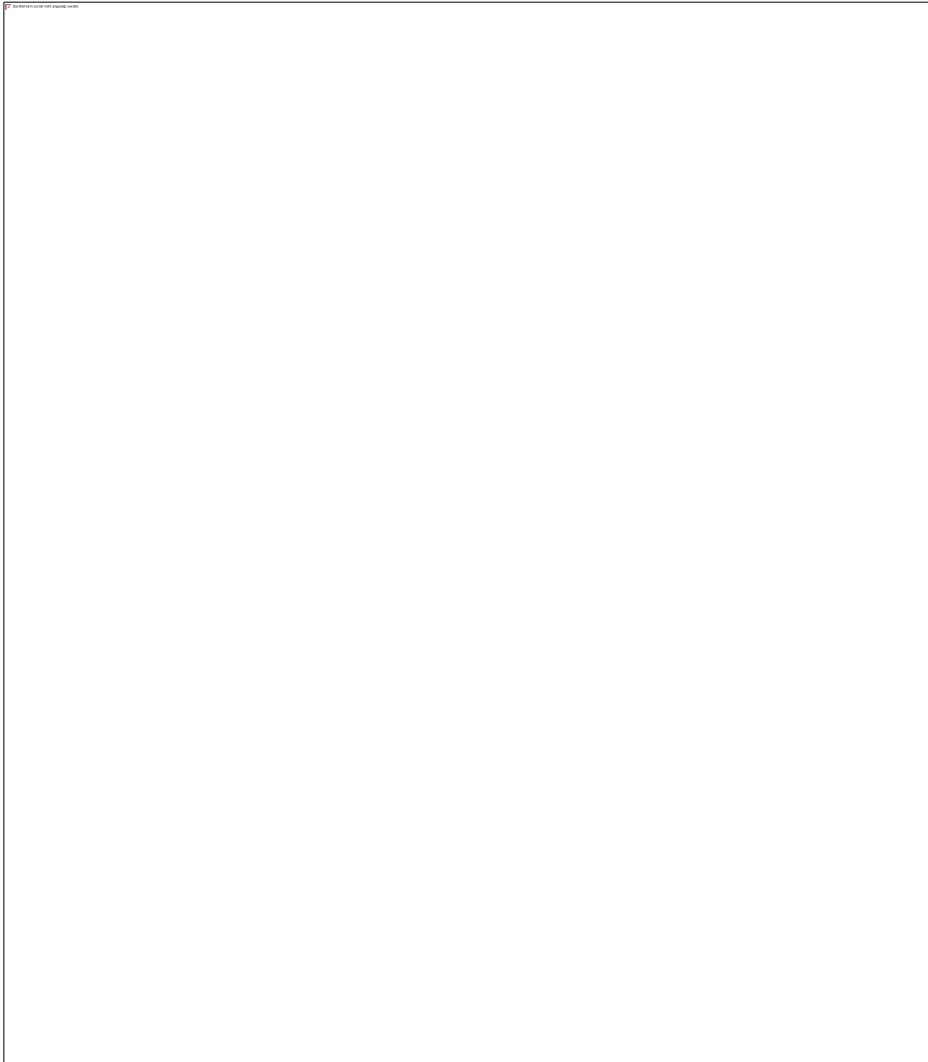
# SYNTAX UND SEMANTIK



# ARTEN VON APIS



# TESTING TROPHY

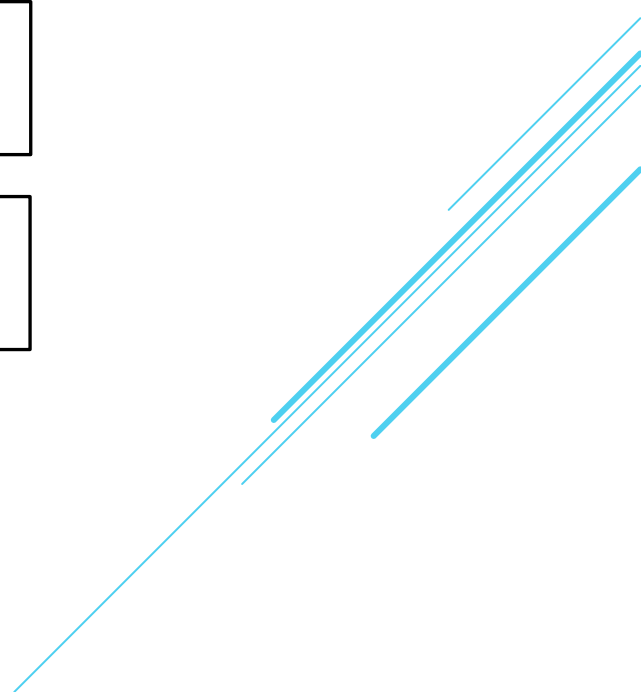
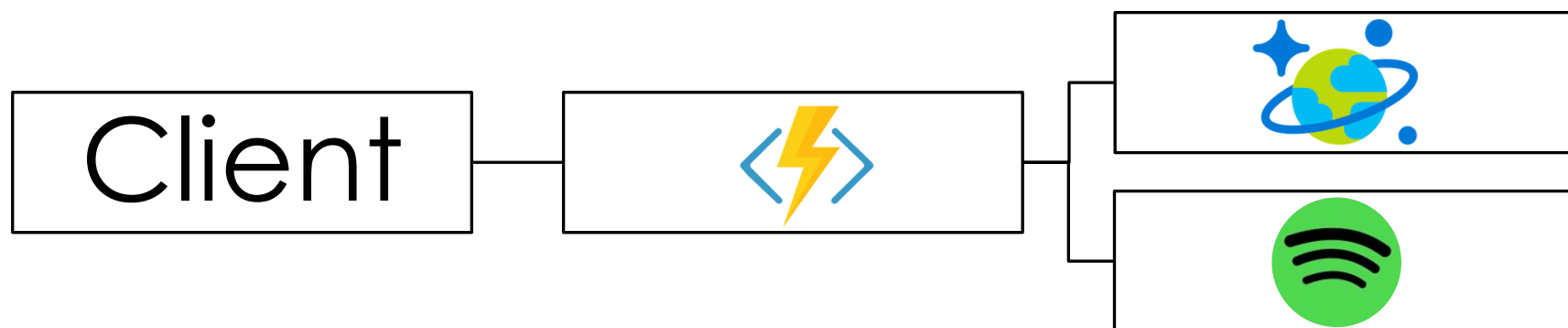




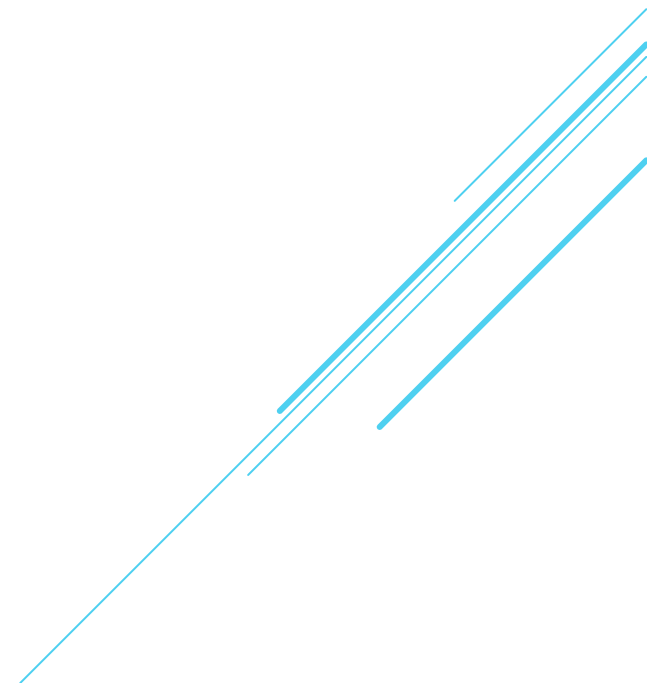
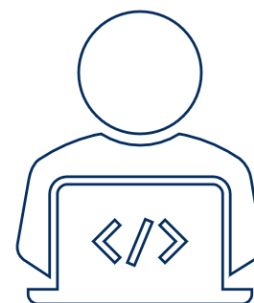
EXAMPLE CASE



# ARCHITECTURE



# STATIC TESTING



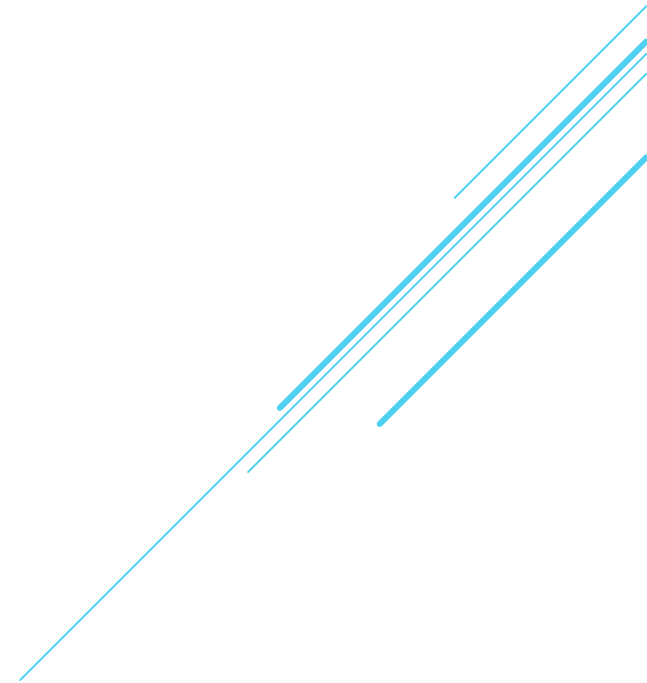
# UNIT TESTING

Request Parsing

Response Parsing

# END-TO-END TESTING

Only updating Likes/Dislikes

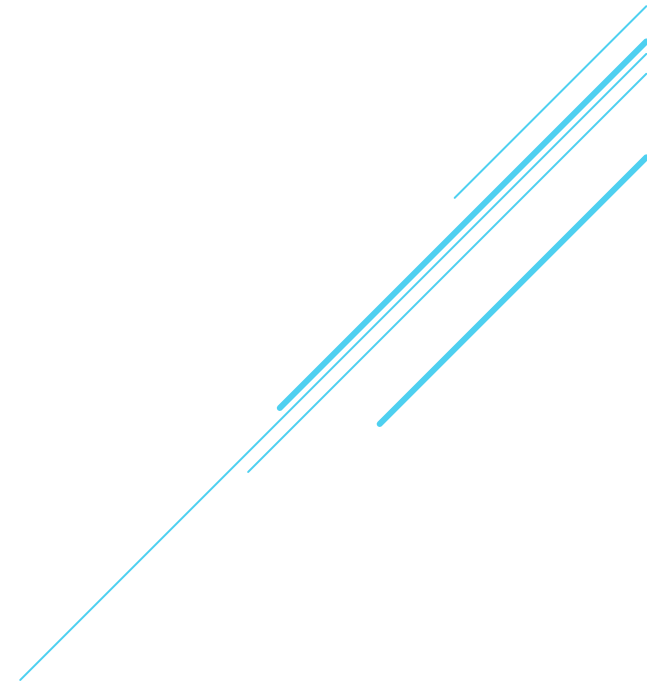


# INTEGRATION TESTING

Mocking CosmosDB

Mocking Spotify API

But how?



# CONTRACT TESTING

The background features a central brown handshake icon. To its left is a black trapezoidal shape. Above the handshake is a blue clipboard icon. To the right is a blue funnel icon. Below the handshake is a blue square with a white checkmark. At the bottom center, there is a blue wavy line icon. Several white diagonal lines cross the right side of the image.