

# K8C

Resources and microservices

# Product description

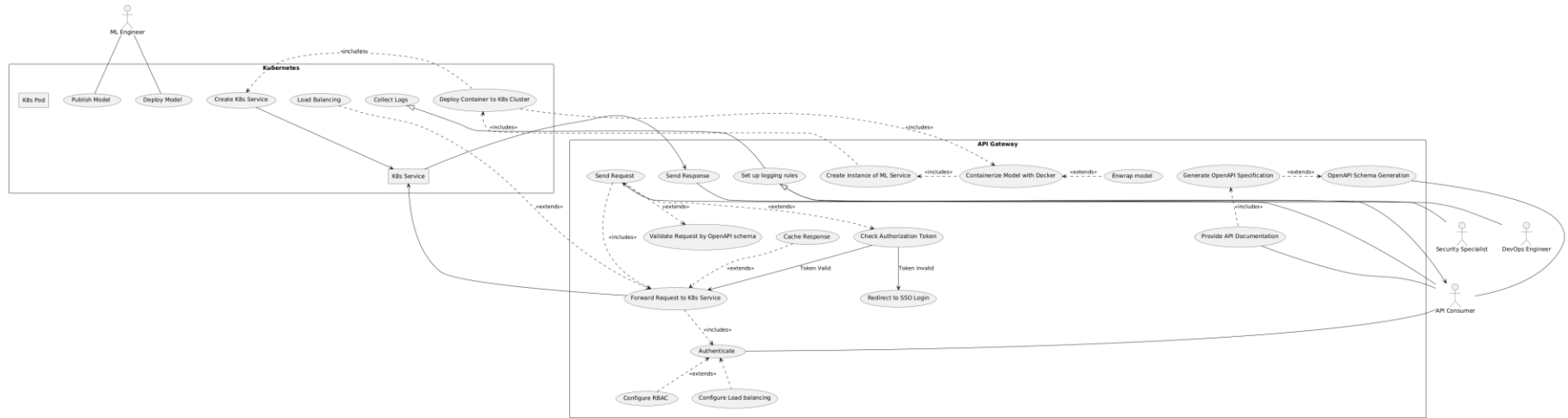
The product is a platform for deploying, managing, and scaling machine learning models in production. It offers a secure, flexible environment for automating ML tasks like model versioning, routing, and monitoring. With Kubernetes integration and containerization support, it's designed for developers, ML engineers, and enterprises needing scalable, reliable ML infrastructure.

**Team K8C:** Tsurkan Daniel; Dandamaev Gadji; Tsaturyan Konstantin; Smolkin Mikhail

**Project repo:** <https://github.com/fanglores/Advanced-Software-Design>

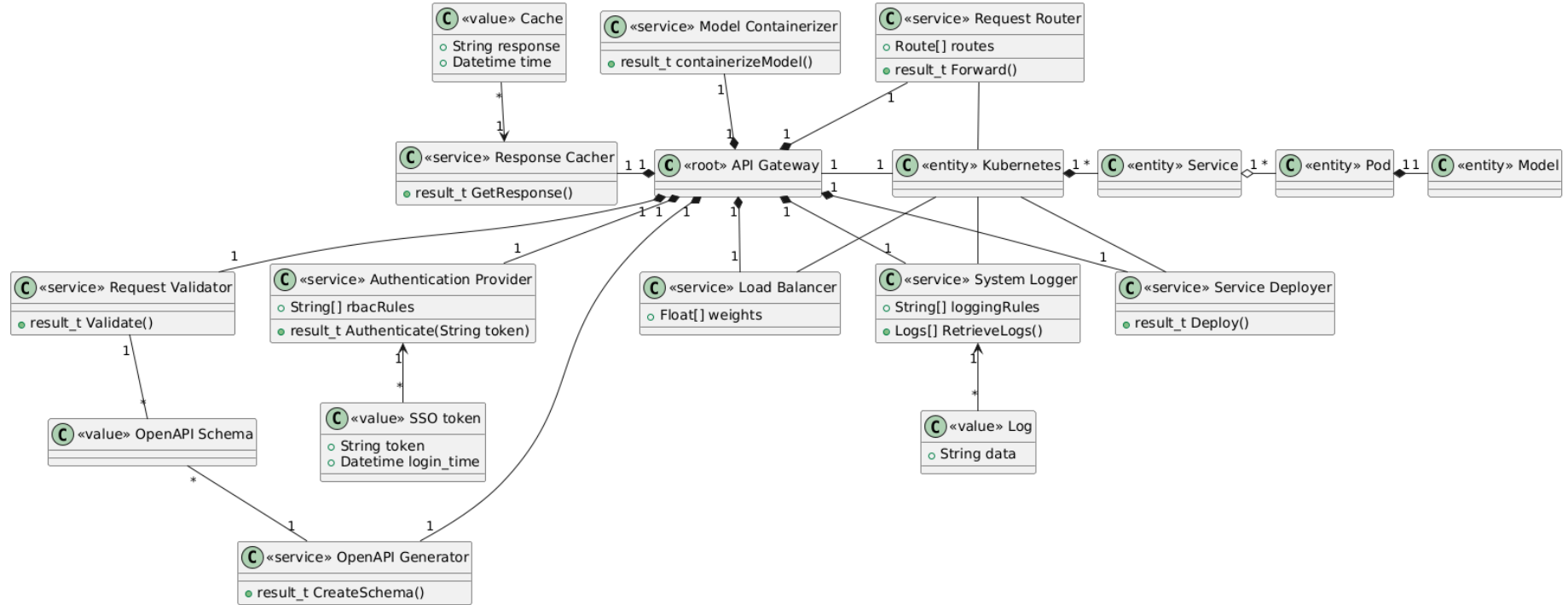
**This report:** [https://github.com/fanglores/Advanced-Software-Design  
/blob/master/Practice%20Tasks/Module2/Task9/](https://github.com/fanglores/Advanced-Software-Design/blob/master/Practice%20Tasks/Module2/Task9/)

# Use case diagram

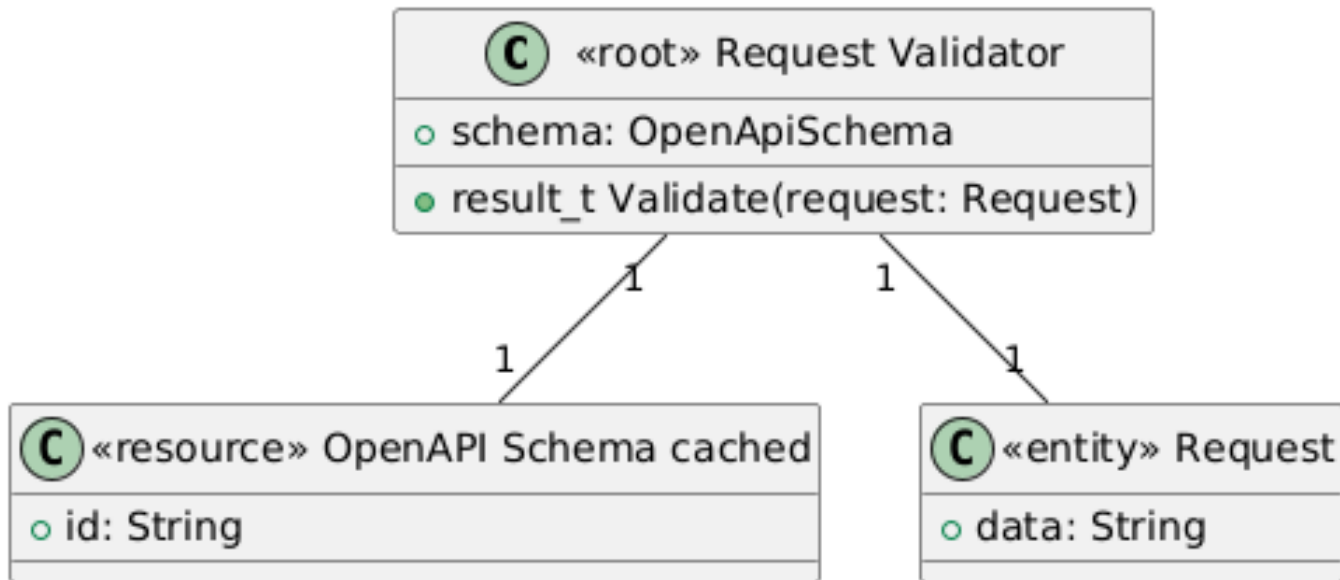


<https://github.com/fanglores/Advanced-Software-Design/tree/master/General/UseCases>

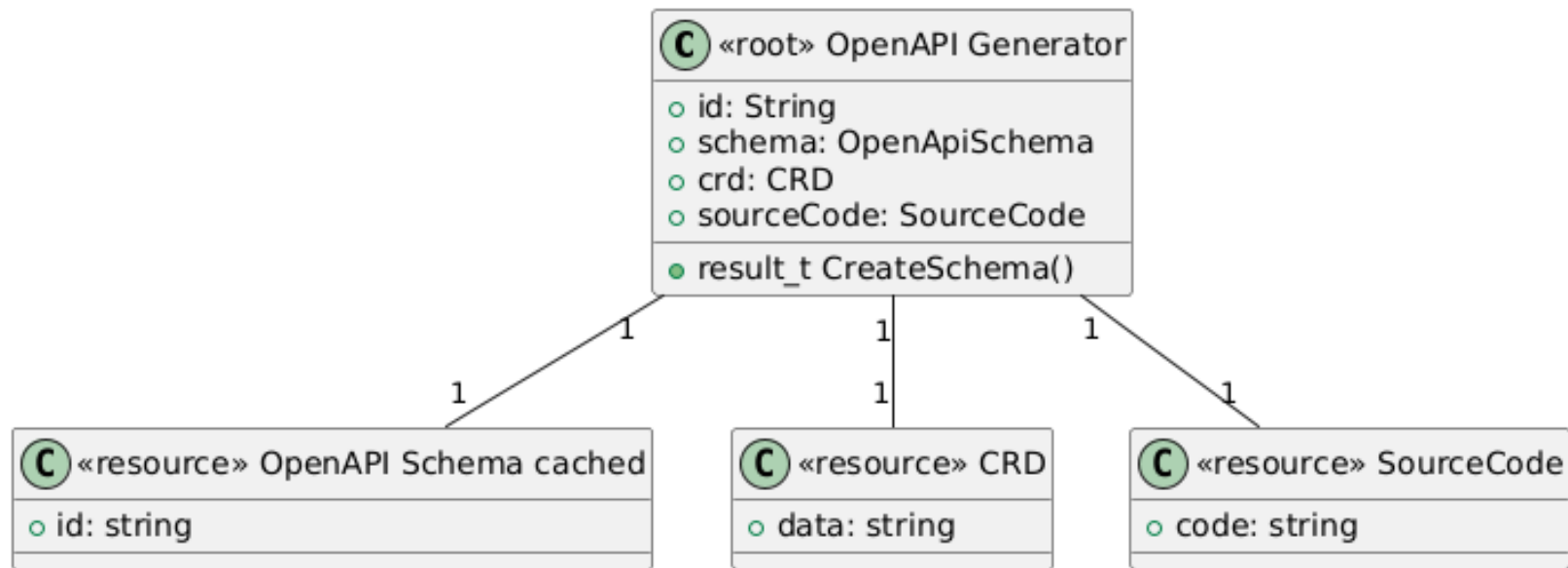
# Final class diagram (monolith)



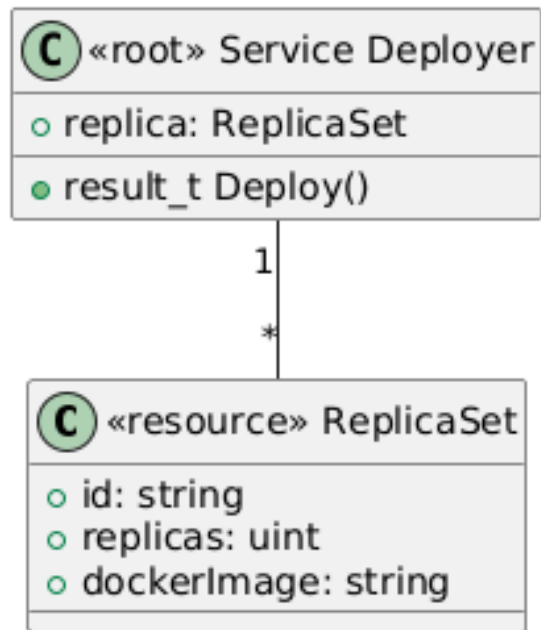
# Request Validator Aggregation



# OpenAPI Generator Aggregation

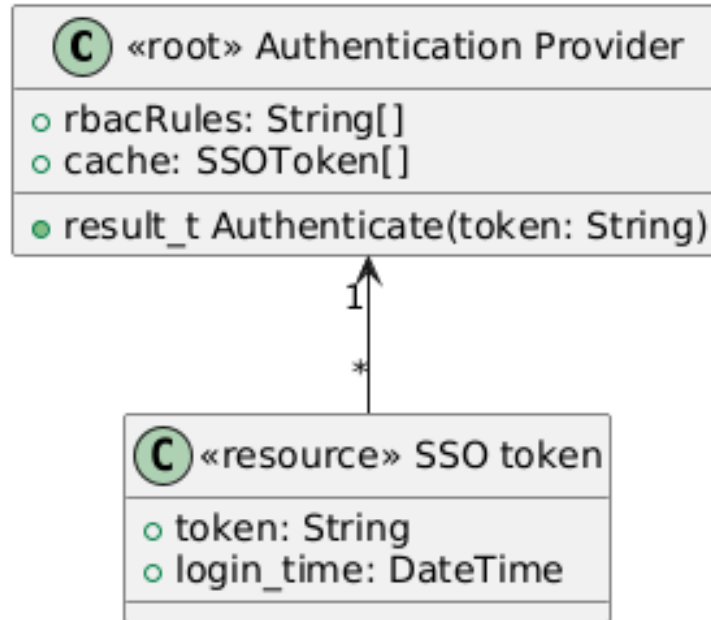


# Service Deployer Aggregation



# Authentication Provider Aggregation

Decompose into more





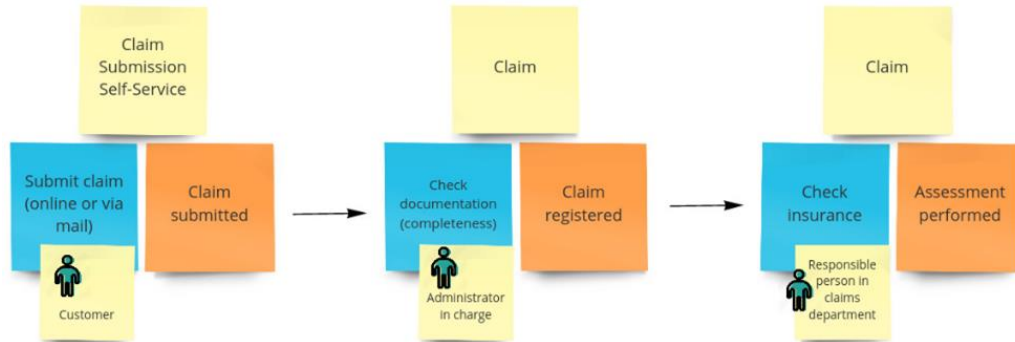
# Event storming

Study how event storming is performed

[https://en.wikipedia.org/wiki/Event\\_storming](https://en.wikipedia.org/wiki/Event_storming)

<https://contextmapper.org/docs/event-storming/>

<https://github.com/wwerner/event-storming-cheatsheet>



Run the event storming session in a team

Check your class diagram and use cases against events and commands in storming.

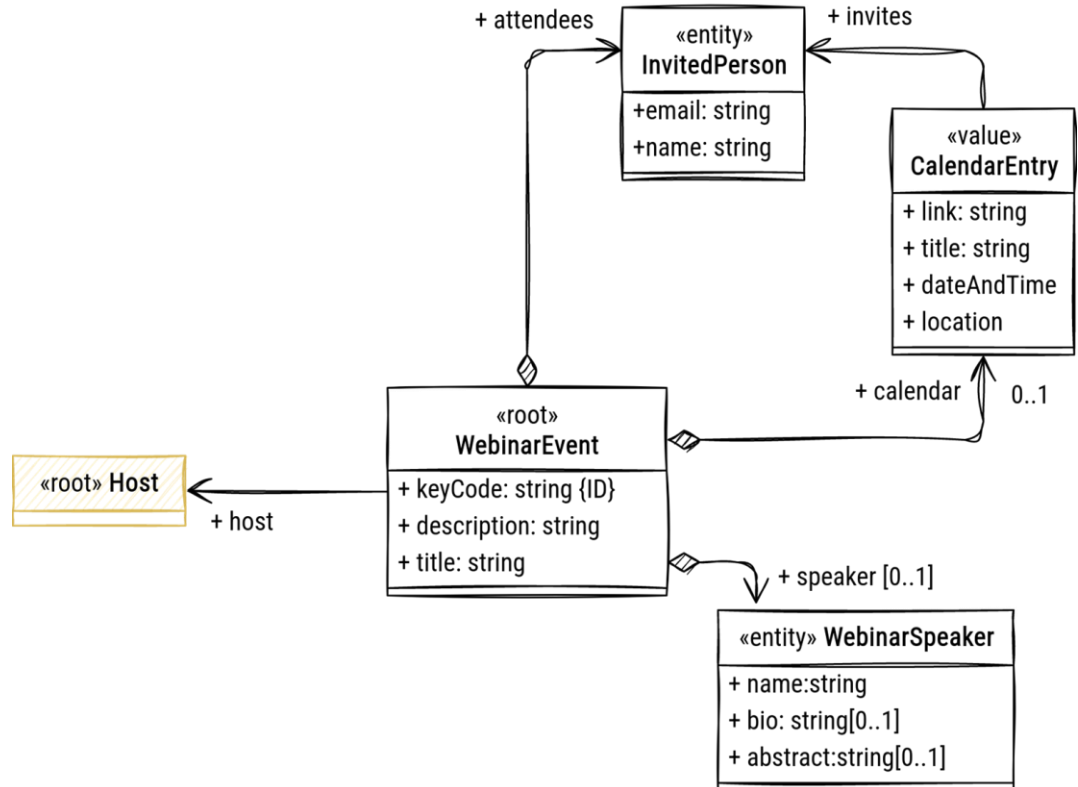
Add missing events, commands, classes to your domain model

# Detailed class diagram - Aggregate WebinarEvent

Show a class diagram for an aggregate

Include new domain events if any found

Check that external references go to roots or domain services only



# Detailed class diagram - Aggregate N

Repeat for each aggregate....

Check that external  
references go to roots or  
domain services only

Check that commands and  
events in the storming  
diagram are elaborated in  
class diagrams