

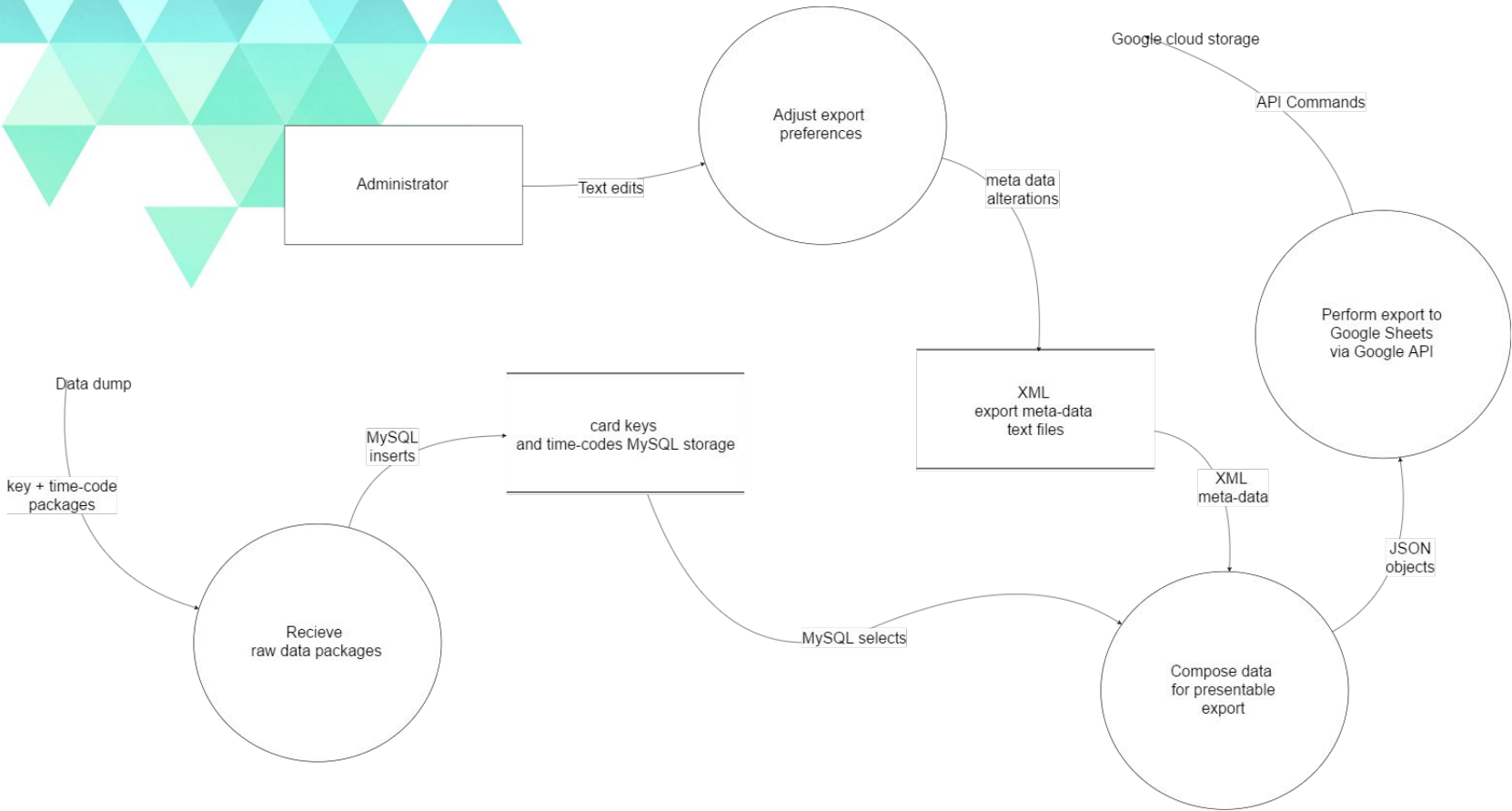
Розробка  
інформаційної  
системи на базі  
мікросервісної  
архітектури

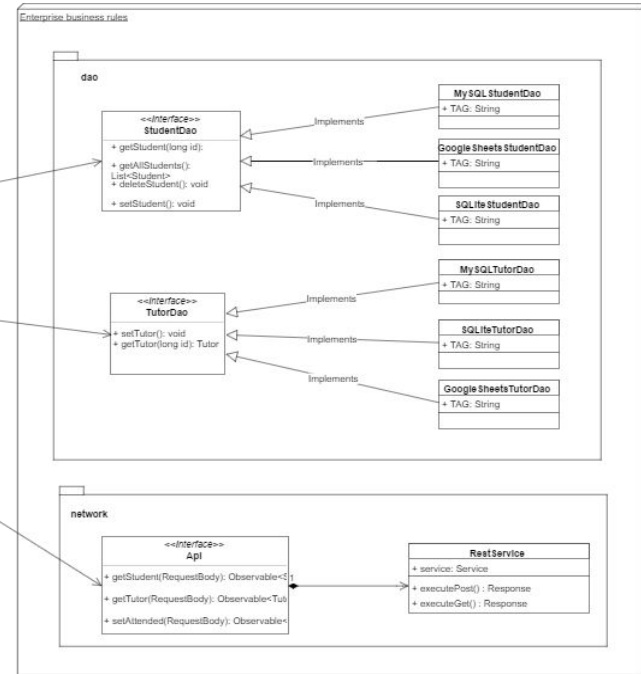
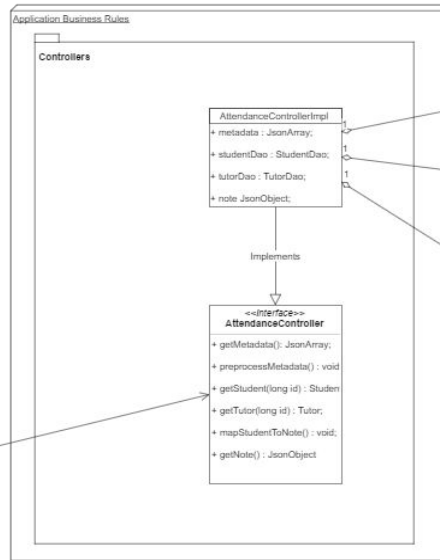
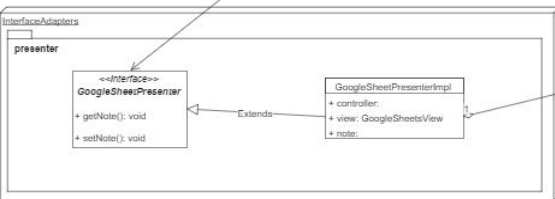
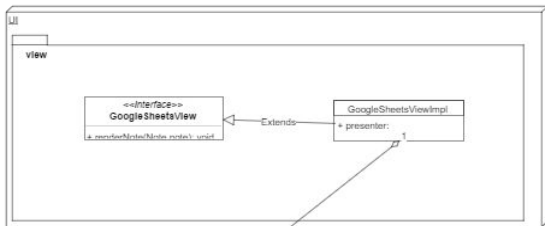
# Постановка задачі

Компонування та експорт інформації  
системи обліку відвідувань



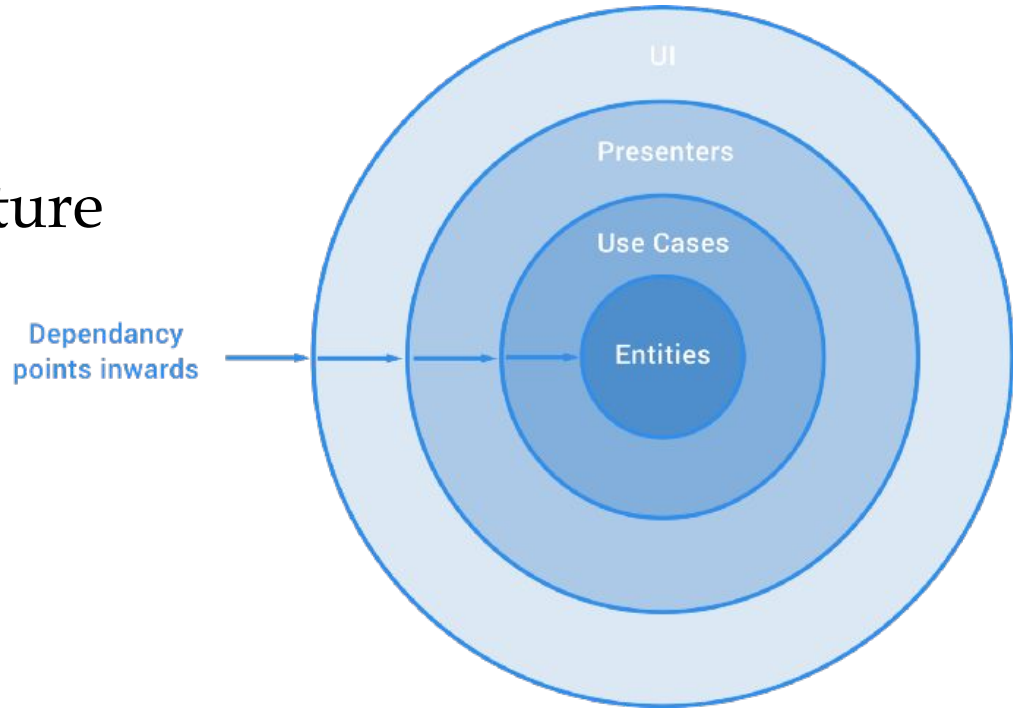


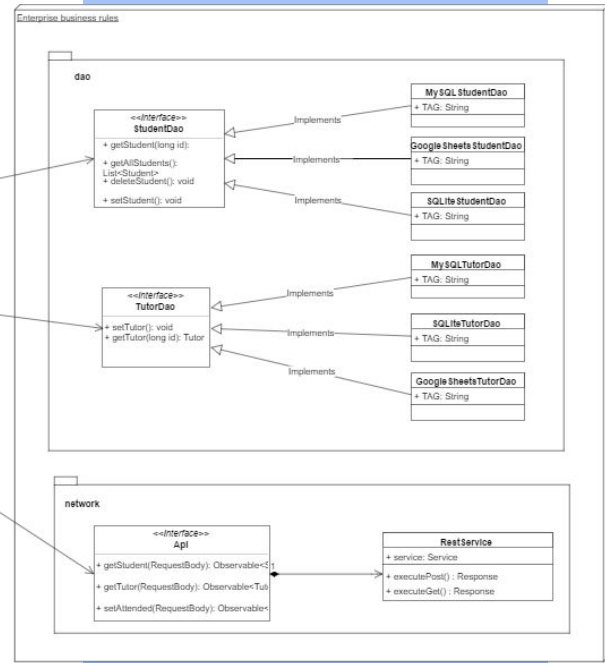
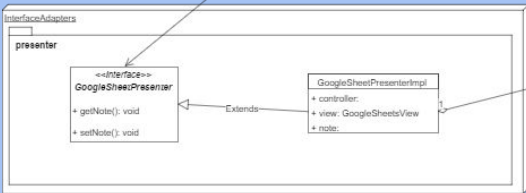
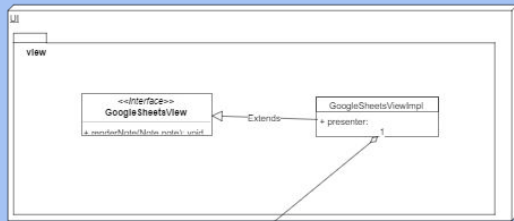


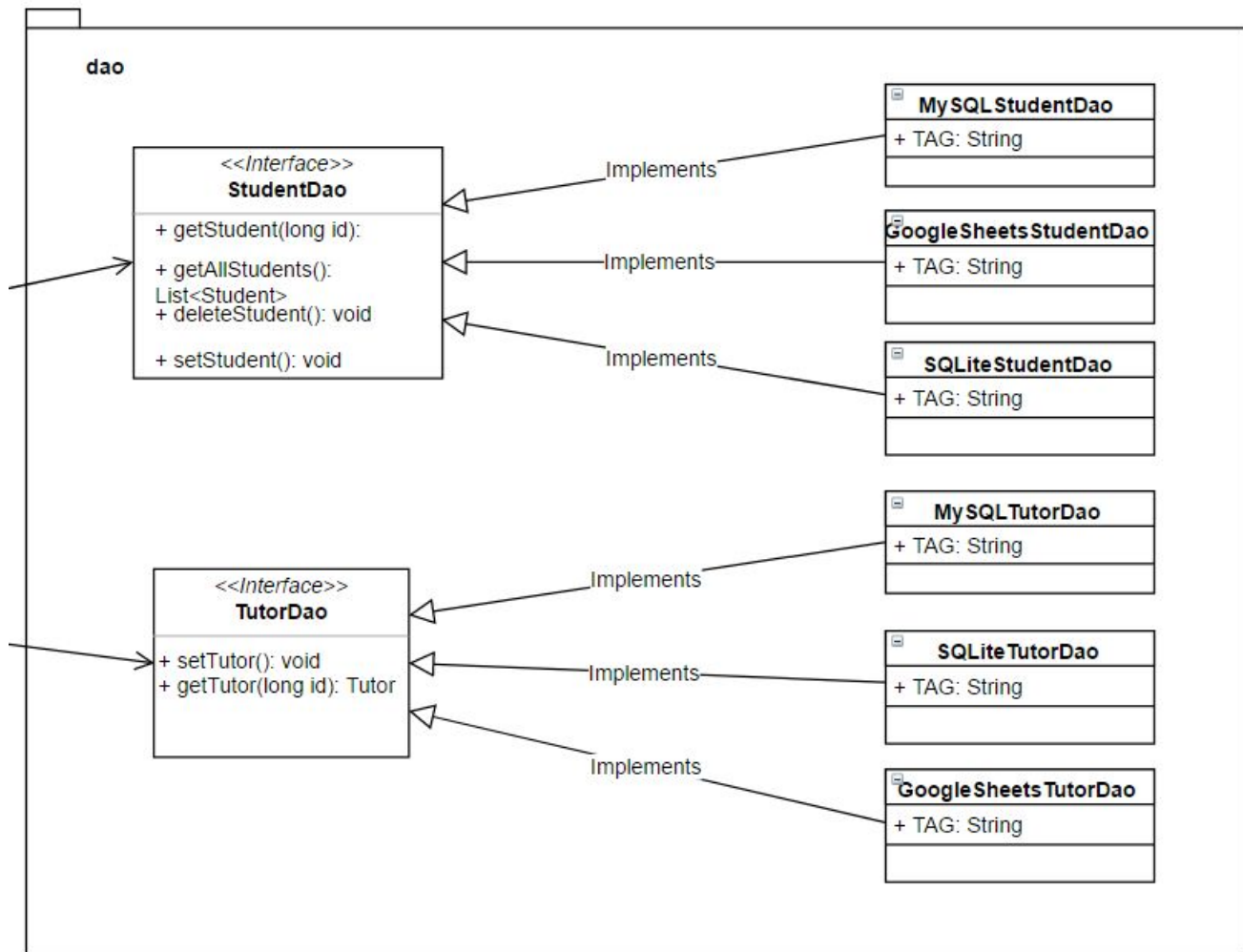


# Структура мікросервісу. Clean Architecture

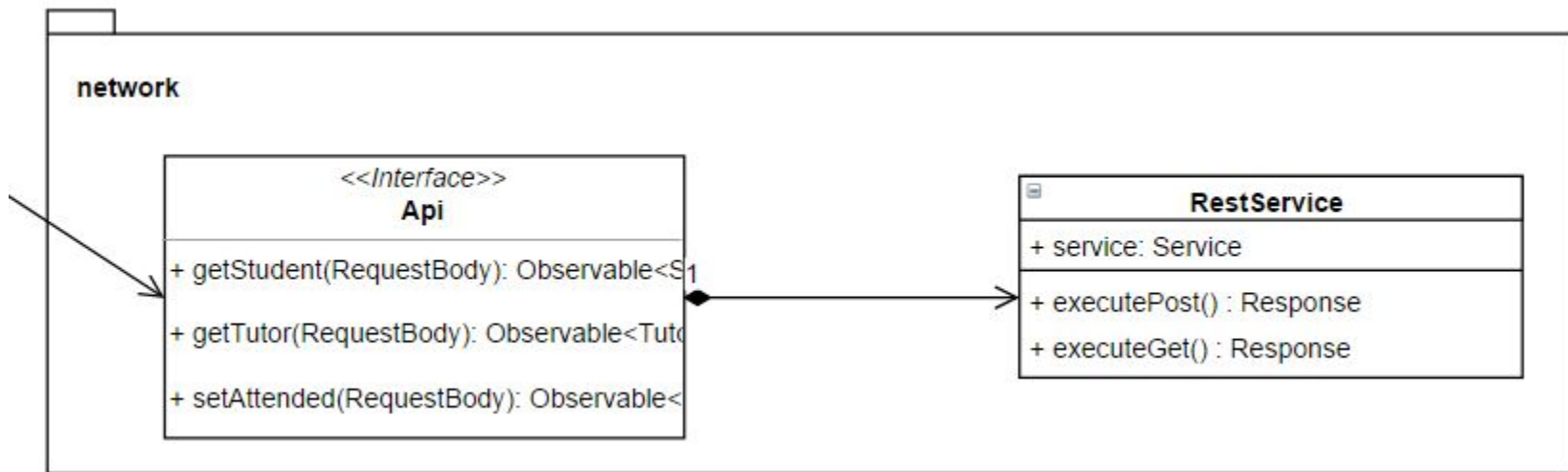
- Frameworks and Drivers
- Interface Adapters
- Business Rules
- Domain Logic

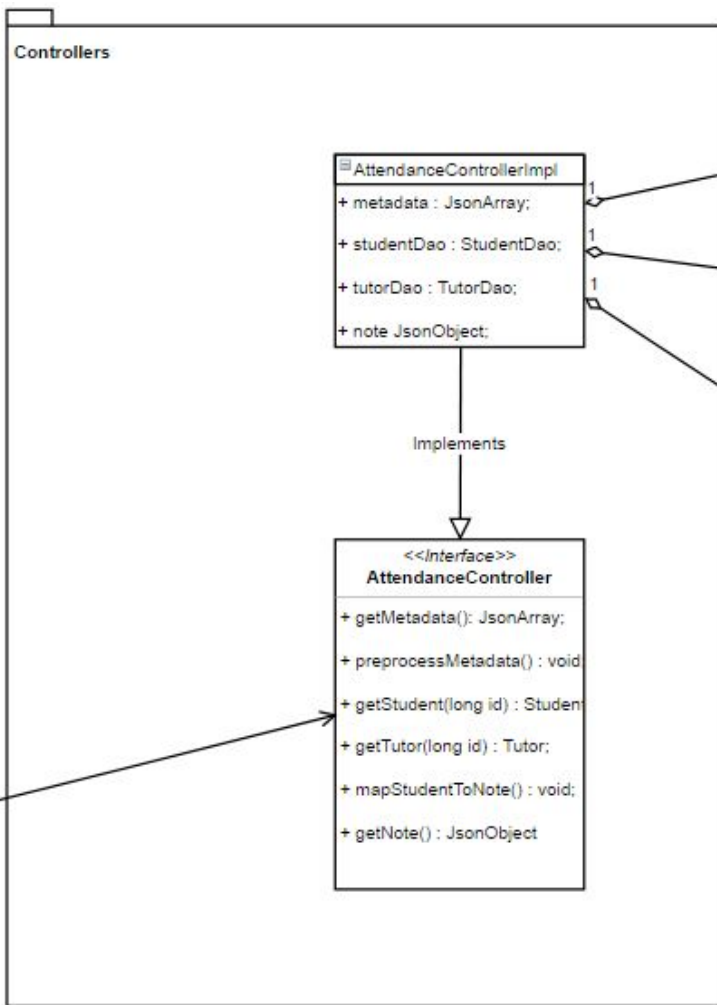


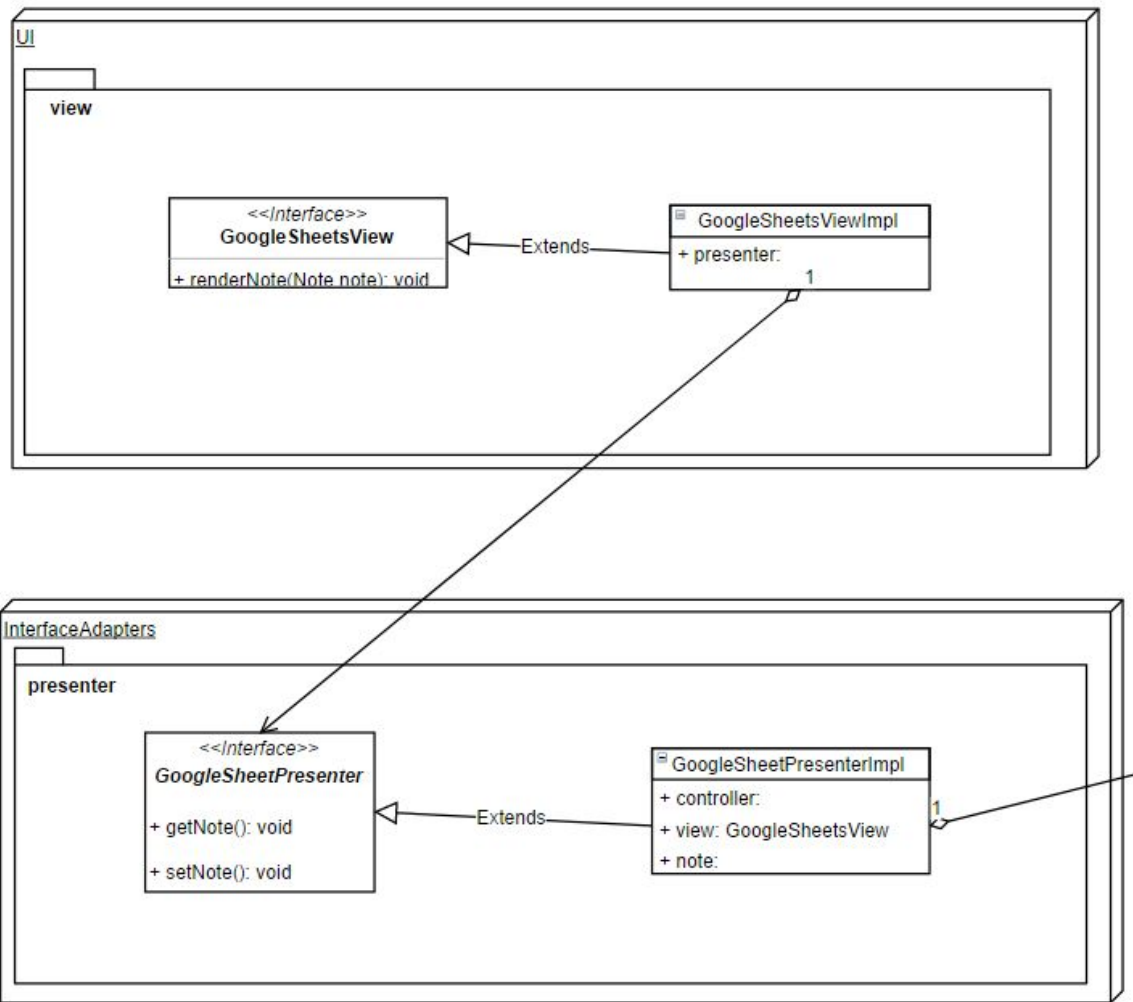


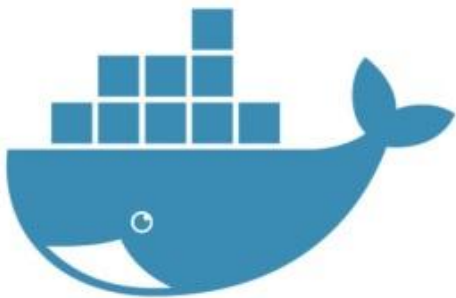






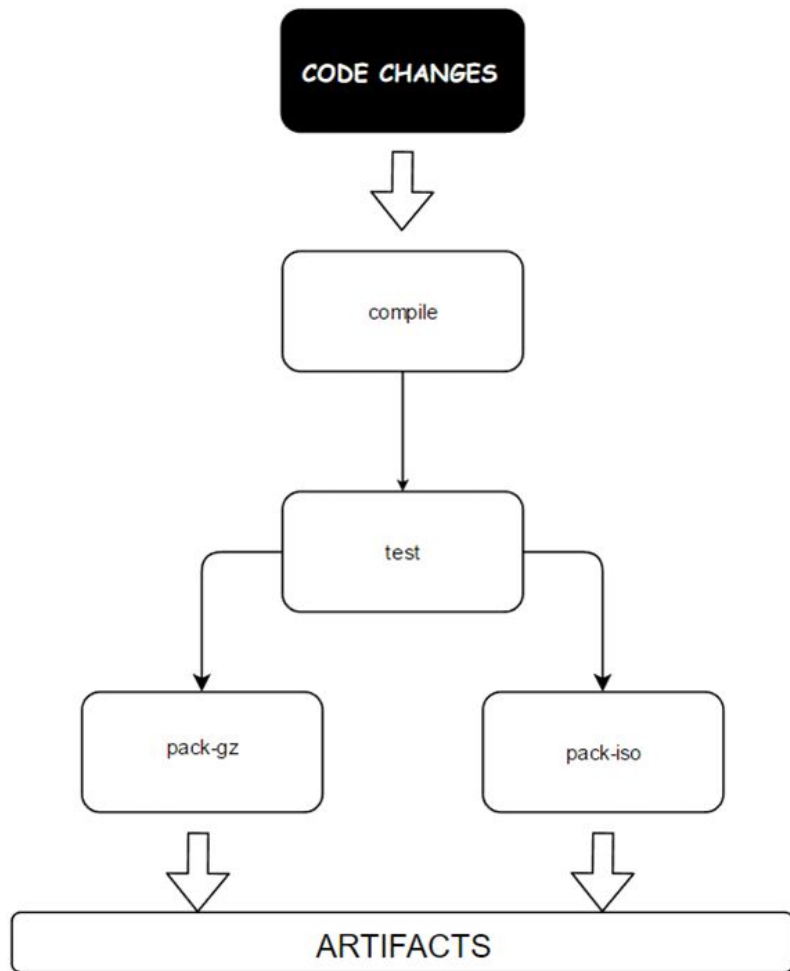






# Контейнеризація мікросервісів

```
diploma runners jdk-runner Dockerfile
Dockerfile
1 FROM phusion/baseimage:0.9.20
2
3 RUN locale-gen en_US.UTF-8
4 ENV LANG="en_US.UTF-8" \
5     LANGUAGE="en_US:en" \
6     LC_ALL="en_US.UTF-8"
7
8 ENV JAVA_VER=8 \
9     JAVA_HOME=/usr/lib/jvm/java-8-oracle \
10    ANT_VERSION=1.9.7 \
11    MAVEN_VERSION=3.3.9
12
13 RUN echo 'deb http://ppa.launchpad.net/webupd8team/java/ubuntu xenial main' >> /etc/apt/sources.list && \
14     echo 'deb-src http://ppa.launchpad.net/webupd8team/java/ubuntu xenial main' >> /etc/apt/sources.list && \
15     apt-key adv --keyserver keyserver.ubuntu.com --recv-keys C2518248EEA14886 && \
16     add-apt-repository universe && \
17     apt-get update
18
19 RUN echo oracle-java${JAVA_VER}-installer shared/accepted-oracle-license-v1-1 select true | /usr/bin/debconf-set-selections && \
20     apt-get install -y --force-yes --no-install-recommends \
21     oracle-java${JAVA_VER}-installer oracle-java${JAVA_VER}-set-default oracle-java8-unlimited-jce-policy && \
22     rm -rf /var/cache/oracle-jdk-installer && \
23     update-java-alternatives -s java-${JAVA_VER}-oracle && \
24     echo "export JAVA_HOME=/usr/lib/jvm/java-${JAVA_VER}-oracle" >> ~/.bashrc && \
25     echo "export JAVA_TOOL_OPTIONS=-Dfile.encoding=UTF-8" >> ~/.bashrc
26
27 RUN cd && \
28     wget -q http://archive.apache.org/dist/ant/binaries/apache-ant-${ANT_VERSION}-bin.tar.gz && \
29     tar -xzf apache-ant-${ANT_VERSION}-bin.tar.gz && \
30     mv apache-ant-${ANT_VERSION} /opt/ant && \
31     rm apache-ant-${ANT_VERSION}-bin.tar.gz
32 ENV ANT_HOME=/opt/ant \
33     PATH=${PATH}:/opt/ant/bin
34
35 #RUN apt-get install -y maven
36 RUN cd && \
37     wget -q http://apache.volia.net/maven/maven-3/${MAVEN_VERSION}/binaries/apache-maven-${MAVEN_VERSION}-bin.tar.gz && \
38     tar -xzf apache-maven-${MAVEN_VERSION}-bin.tar.gz && \
39     mv apache-maven-${MAVEN_VERSION} /opt/maven && \
40     rm apache-maven-${MAVEN_VERSION}-bin.tar.gz
41
42 g: TODO v: Version Control t: Terminal
Dockerfile detection // You may setup Docker deployment run configuration for the following file(s): // /home/olexandr/IdeaProjects/diploma/runners/python2:
```





# **Висновки**