System Internal Communication

GET /reviews/{id}

Cache (Redis)

Database (MySQL)

1. find review in cache
2. if review_id is found, return review
3. if review_id not found, query in database
4. if review_id not found return error.
   if review_id is found return review

GET /reviews?query={text}

Cache (Redis)

Database (MySQL)

1. find keyword in cache
2. if keyword is found, pass to **4**
3. if keyword is not found, return error
4. search review by keyword
5. if keyword not found return error.
   if keyword is found return review

PUT /reviews/{id}

Database (MySQL)

Cache (Redis)

1. edit review in database
2. if review_id not found return error
3. if review was edit
   delete old review in cache
4. return ok message